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Mencom Corporation

no problems, only solutions



Notes:



MIN Series

Size I (7/8"-16UN), Size II (1"-16UN), Size III (1 1/8"-16UN), PMIN (1 3/8"-16UN)

Over-Molded Cordsets | Armored Cordsets | Receptacles | Field Wireables | Accessories

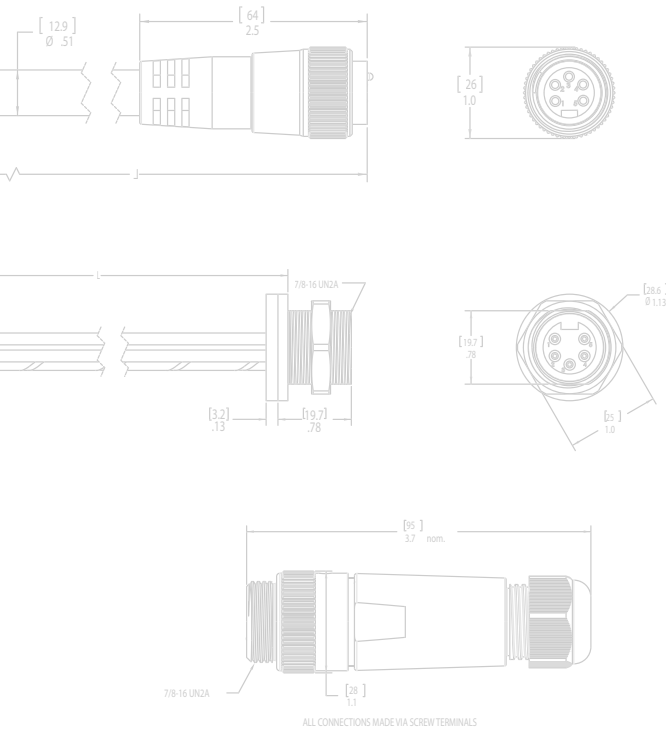
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MIN Series

The MIN-Series is so named because they are generally referred to in the industry as MINI-Change, 7/8" connectors, or Mini connectors. The MIN series can be used for transmission of signal and/or power. The MIN-Series is a popular connector choice for machine safety components, lighting, Bus Networks, robots, and numerous other applications. Our MIN-Series is available in 2~14 and 19 pole versions, divided into 4 different sizes.



Connector Sizes

SIZE I connectors include 2, 3, 4, 5, 6 & 14 pole versions. All of the Size I connectors are based on a 1" hex for the receptacles and utilize a 7/8" UN mating thread.

SIZE II connectors include a larger 6 pole, along with 7 & 8 pole versions. The Size II connectors are based on a 1.125" hex for the receptacles and utilize a 1" UN mating thread.

SIZE III connectors include 9, 10, 12 & 19 pole versions. The Size III connectors are based on a 1.25" hex for the receptacles and utilize a 1 1/8" UN mating thread.

MIN Power connectors include 3, 4 & 7 pole versions. The MINH 3, 4 pole connectors are based on a 7/8"-16 mating thread & 1" hex for the receptacles and utilize a 7/8"-16 mating thread & 1" coupling nut for the cordsets. The MINH 7 pole connectors are based on a 1"-16 mating thread & 1.13" hex for the receptacles and utilize a 1"-16 mating thread & 1.1" coupling nut for the cordsets. The PMIN 3, 4 pole connectors are based on a 1 3/8"-16" mating thread & 1.5" hex for the receptacles and utilize a 1 3/8"-16" mating thread & 1.5" coupling nut for the cordsets.



MIN Series

Size I (7/8"-16UN), Size II (1"-16UN), Size III (1 1/8"-16UN)



Contents

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MIN Series

MIN Size I

Cordsets		Part Number Matrix	A-5
	18 AWG	Straight	A-6 ~ A-13
		Right Angle	A-14 ~ A-17
		Double Ended	A-18 ~ A-19
	16 AWG	Straight	A-20 ~ A-25
		Right Angle	A-26 ~ A-29
		Double Ended	A-30 ~ A-32
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		Dummy Plugs	A-37
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		Jam & Lock Nuts	A-60
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MIN Size II

Cordsets		Part Number Matrix	B-1
		Straight	B-2 ~ B-3
		Right Angle	B-4 ~ B-5
		Double Ended	B-6
Cordset Accessories		Dummy Plugs	B-7
		Caps, Plugs & Adapters	B-8
		Raw Cables	B-9
Receptacles		Part Number Matrix	B-11
		Index	B-12
		Front Mount	B-13 ~ B-15
		Back Mount	B-16
Receptacle Accessories		Caps & Plugs	B-8
		Jam & Lock Nuts	B-17

MIN Size III

Cordsets		Part Number Matrix	C-1
	9, 10, 12 Pole	Straight	C-2 ~ C-3
		Right Angle	C-4 ~ C-5
		Double Ended	C-8
	19 Pole	Straight	C-6
		Right Angle	C-7
		Double Ended	C-9
Cordset Accessories		Caps, Plugs & Adapters	C-10
		Raw Cables	C-11
Receptacles		Part Number Matrix	C-13
		Index	C-14
		Front Mount	C-15 ~ C-17
		Back Mount	C-18
Receptacle Accessories		Caps & Plugs	C-10
		Jam & Lock Nuts	C-19



MIN Power Series

MINH Size I (7/8"-16UN), MINH Size II (1"-16UN), PMIN (1 3/8"-16UN)

Contents

MIN Power	MINH	Cordsets	Part Number Matrix	D-1	
					Straight	D-2 ~ D-3	
					Right Angle	D-2	
					Double ended	D-4	
					"T" Connectors	D-5	
					Cordset Accessories	Caps, Plugs & Adapters	D-6 ~ D-7
						Lock & Lockout	D-14
					Receptacles	Part Number Matrix	D-9
						Index	D-10
						Front Mount	D-11 ~ D-12
					Receptacle Accesories	Caps & Plugs	D-6 ~ D-7
						Jam & Lock Nuts	D-13
						Lock & Lockout	D-14
					PMIN	Cordsets
.....	Straight	D-16 ~ D-19						
.....	Right Angle	D-20 ~ D-23						
.....	Double ended	D-24 ~ D-25						
.....	"T" Connectors	D-26						
.....	Cordset Accessories	Adapter Plugs	D-27					
.....		Caps & Plugs	D-28					
.....		Lock	D-32					
.....	Receptacles	Part Number Matrix	D-29					
.....		Index	D-30					
.....		Front Mount	D-31 ~ D-32					
.....	Receptacle Accesories	Caps & Plugs	D-28					
.....		Lock Nuts	D-33					
.....		Lock	D-33					

A
MIN Power Series

[T-Connectors]



[Adapters]

[Receptacles]



[Over-Molded Cordsets]





Notes:

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MIN Series

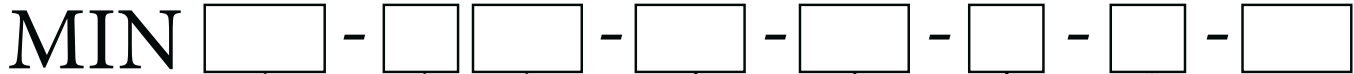


7/8" MIN Series Size I Cordsets

MIN Series Size I Cordset Part Number Matrix



Not all options available with all cordsets, please consult factory.



Cable Type

- Blank = PVC
- P = PUR
- C = PVC / Euro Color Code, No grn/yel
- E = Euro Color Code
- W = TPE
- WF = Hi-Flex TPE

Number of Conductors

- 2
- 3
- 4
- 5
- 6
- 14

Connector Configuration

- MP = Male Plug - 16awg
- MPM = Male Plug with Male Threads - 16awg
- FP = Female Plug - 16 awg
- MFP = Male / Female Extension - 16awg
- MFRP = Male Straight / Female Right Angle - 16awg
- MRFP = Male Right Angle / Female Straight - 16awg
- MPX = Male Plug - 18awg
- MPMX = Male Plug with Male Threads - 18awg
- FPX = Female Plug - 18awg
- MFPX = Male / Female Extension - 18awg
- MFRPX = Male Straight / Female Right Angle - 18awg
- MRFPX = Male Right Angle / Female Straight - 18awg

Lengths in Feet

- 3
- 6
- 12
- 20
- 30
- 50

Other lengths are available by request.
(Euro color code is measured in meters.)

Armor (See A-33 for more details)

- Blank = No Armor
- A01 = SS w/ Cable Inside
- A02 = SS w/ Discrete Wires
- A02T = SS w/ Discrete Teflon Wires
- A03 = PVC Covered SS w/ Cable Inside
- A04 = PVC Covered SS w/ Discrete Wires
- A50 = Silicone (Stops at Overmold)

Coupling Nut

- Blank = Aluminum or Nickel plated brass
- SS = Stainless Steel

Cable Color

- Blank = Yellow
- B = Black

R/A or Straight

- Blank = Straight *
- R = Right Angle **

* Unless the Connector Configuration is MFRP or MRFP
** If single ended cable, right angle connector to flying leads
If double ended cable, right angle on both connectors

A

MIN Series Size I Cordsets



7/8" MIN Series Size I Cordsets

3 Conductor MIN Series Size I Cordsets, 18AWG



Straight Male Cordsets | 300 Volt, 8 amps | IP67 Rating

A

MIN Series Size I Cordsets



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-3MPX-* (YELLOW) MIN-3MPX-* (BLACK)	PVC SJTOOW 3 X 18 AWG 300V, 8A -40°C to +105°C 8.5mm OD	Industry Standard PVC	North American 1. Green/Yellow 2. Black 3. White	 7/8"-16UN2
	MIN-3MPX-*A	Yellow PVC SJTOOW 3 X 18 AWG 300V, 8A -40°C to +105°C 8.5mm OD	Industry Standard PVC	North American Auto Color Code 1. Green/Yellow 2. Red/Black 3. Red/White	 7/8"-16UN2
	MINE-3MPX-** (YELLOW) MINE-3MPX-** (BLACK)	PVC AWM 3 X 18 AWG 300V, 8A -40°C to +105°C 7.4mm OD	Industry Standard PVC Male Threaded Coupling Nut	European 1. Green/Yellow 2. Brown 3. Blue	 7/8"-16UN2
	MINC-3MPX-**	Yellow PVC AWM 3 X 18 AWG 300V, 8A -40°C to +105°C 7.4mm OD	Industry Standard PVC Male Threaded Coupling Nut	European Cenelec 1. Black 2. Brown 3. Blue	

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MIN-3MPX-3 becomes MIN-4MPX-3-SS)

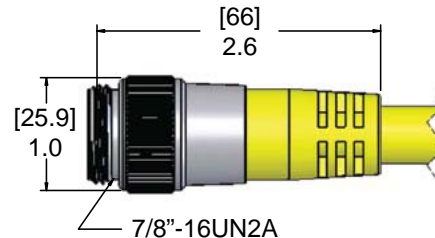
See Page A-33 for Armored Cordset options.

Male Thread Option

For male threaded coupling replace "MPX" with "MPMX".

Male threads are standard on European color code cordsets.

(e.g. MIN-3MPX-3A becomes MIN-3MPMX-3A)





7/8" MIN Series Size I Cordsets

3 Conductor MIN Series Size I Cordsets, 18AWG



Straight Female Cordsets | 300 Volt, 8 amps | IP67 Rating



A

MIN Series Size I Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-3FPX-* (YELLOW) MIN-3FPX-*-B (BLACK)	PVC SJTOOW 3 X 18 AWG 300V, 8A -40°C to +105°C 8.5mm OD	Industry Standard PVC	North American 1. Green/Yellow 2. Black 3. White	 7/8"-16UN2
	MIN-3FPX-*A	Yellow PVC SJTOOW 3 X 18 AWG 300V, 8A -40°C to +105°C 8.5mm OD	Industry Standard PVC	North American Auto Color Code 1. Green/Yellow 2. Red/Black 3. Red/White	 7/8"-16UN2
	MINE-3FPX-** (YELLOW) MINE-3FPX-**-B (BLACK)	PVC AWM 3 X 18 AWG 300V, 8A -40°C to +105°C 7.4mm OD	Industry Standard PVC	European 1. Green/Yellow 2. Brown 3. Blue	 7/8"-16UN2
	MINC-3FPX-**	Yellow PVC AWM 3 X 18 AWG 300V, 8A -40°C to +105°C 7.4mm OD	Industry Standard PVC	European Cenelec 1. Black 2. Brown 3. Blue	

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MIN-4FPX-3 becomes MIN-3FPX-3-SS)

See Page A-33 for Armored Cordset options.



7/8" MIN Series Size I Cordsets

4 Conductor MIN Series Size I Cordsets, 18AWG



Straight Male Cordsets | 300 Volt, 5.5 amps | IP67 Rating

A

MIN Series Size I Cordsets



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-4MPX-*	Yellow PVC AWM 4 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC	North American 1. Black 2. White 3. Red 4. Green/Yellow	 7/8"-16UN2
	MINC-4MPX-**	Yellow PVC AWM 4 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC Male Threaded Coupling Nut	European Cenelec 1. Brown 2. White 3. Blue 4. Black	 7/8"-16UN2
	MINCP-4MPX-**	Yellow PUR AWM 4 X 18 AWG 300V, 5.5A -40°C to +80°C 7.4mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Male Threaded Coupling Nut		
	MINCW-4MPX-**	Yellow TPE AWM 4 X 18 AWG 300V, 5.5A -40°C to +80°C 7.4mm OD	Weld Slag Resistant TPE Male Threaded Coupling Nut		

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MIN-4MPX-3 becomes MIN-4MPX-3-SS)

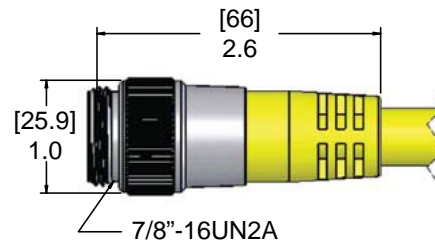
See Page A-33 for Armored Cordset options.

Male Thread Option

For male threaded coupling replace "MPX" with "MPMX".

Male threads are standard on European color code cordsets.

(e.g. MIN-4MPX-3 becomes MIN-4MPMX-3)





7/8" MIN Series Size I Cordsets

4 Conductor MIN Series Size I Cordsets, 18AWG



Straight Female Cordsets | 300 Volt, 5,5 amps | IP67 Rating



A

MIN Series Size I Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-4FPX-*	Yellow PVC AWM 4 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC	North American 1. Black 2. White 3. Red 4. Green/Yellow	 7/8"-16UN2
	MINC-4FPX-**	Yellow PVC AWM 4 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC	European Cenelec 1. Brown 2. White 3. Blue 4. Black	 7/8"-16UN2
	MINCP-4FPX-**	Yellow PUR AWM 4 X 18 AWG 300V, 5.5A -40°C to +80°C 7.4mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MINCW-4FPX-**	Yellow TPE AWM 4 X 18 AWG 300V, 5.5A -40°C to +80°C 7.4mm OD	Weld Slag Resistant TPE		

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-4FPX-3 becomes MIN-4FPX-3-SS)

See Page A-33 for Armored Cordset options.



7/8" MIN Series Size I Cordsets

5 Conductor MIN Series Size I Cordsets, 18AWG



Straight Male Cordsets | 300 Volt, 5.5 amps | IP67 Rating

A

MIN Series Size I Cordsets



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
<p>7/8"-16UN2B</p>	MIN-5MPX-* (YELLOW) MIN-5MPX-*-B (BLACK)	PVC AWM 5 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black	<p>7/8"-16UN2</p>
	MINP-5MPX-*	Yellow PUR AWM 5 X 18 AWG 300V, 5.5A -40°C to +80°C 7.4mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
<p>7/8"-16UN2B</p>	MIN-5MPX-*A (YELLOW) MIN-5MPX-*A-B (BLACK)	PVC AWM 5 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC	North American Auto Color Code 1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black	<p>7/8"-16UN2</p>
	MINE-5MPX-**	Yellow PVC AWM 5 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC Male Threaded Coupling Nut	European 1. Black 2. Blue 3. Green/Yellow 4. Brown 5. White	<p>7/8"-16UN2</p>

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-5MPX-3 becomes MIN-5MPX-3-SS)

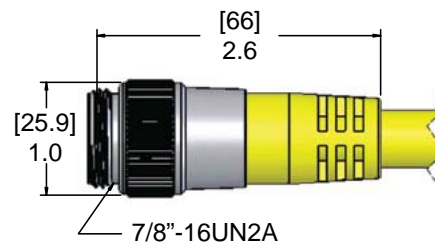
See Page A-33 for Armored Cordset options.

Male Thread Option

For male threaded coupling replace "MPX" with "MPMX".

Male threads are standard on European color code cordsets.

(e.g. MIN-5MPX-3 becomes MIN-5MPMX-3)





7/8" MIN Series Size I Cordsets

5 Conductor MIN Series Size I Cordsets, 18AWG



Straight Female Cordsets | 300 Volt, 5.5 amps | IP67 Rating



A

MIN Series Size I Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-5FPX-* (YELLOW) MIN-5FPX-*B (BLACK)	PVC AWM 5 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black	 7/8"-16UN2
	MINP-5FPX-*	Yellow PUR AWM 5 X 18 AWG 300V, 5.5A -40°C to +80°C 7.4mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MIN-5FPX-*A (YELLOW) MIN-5FPX-*A-B (BLACK)	PVC AWM 5 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC	North American Auto Color Code 1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black	 7/8"-16UN2
	MINE-5FPX-**	Yellow PVC AWM 5 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC	European 1. Black 2. Blue 3. Green/Yellow 4. Brown 5. White	 7/8"-16UN2

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MIN-5FPX-3 becomes MIN-5FPX-3-SS)

See Page A-33 for Armored Cordset options.



7/8" MIN Series Size I Cordsets

6 & 14 Conductor MIN Series Size I Cordsets, 18/22AWG



Straight Male Cordsets | 300 Volt, 5.5 amps | 300 Volt, 6 & 1 amps | IP67 Rating

A

MIN Series Size I Cordsets



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-6MPX*	Yellow PVC SJTOOW 6 X 18 AWG 300V, 5.5A -40°C to +105°C 10.1mm OD	Industry Standard PVC	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black 6. Blue	 7/8"-16UN2
	MINP-6MPX*	Yellow PUR AWM 6 X 18 AWG 300V, 5.5A -40°C to +80°C 8.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MINE-6MPX**	Yellow PVC SJTOOW 6 X 18 AWG 300V, 5.5A -40°C to +105°C 10.1mm OD	Industry Standard PVC Male Threaded Coupling Nut	European 1. Green 2. White 3. Blue 4. Gray 5. Yellow 6. Brown	 7/8"-16UN2
	MINP-14MPX**	Black PUR AWM 2 X 18 AWG 300V, 6A 12 X 22 AWG 300V, 1A -40°C to +80°C 8.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Male Threaded Coupling Nut	North American 1. Gray/Pink 2. White/Green 3. White/Yellow 4. Brown*** 5. Brown/Yellow 6. Blue*** 7. Yellow 8. Green 9. Pink 10. White 11. Red/Blue 12. Brown/Green 13. Gray 14. Red	 7/8"-16UN2

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

*** Brown and Blue are 18AWG wires.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MIN-6MPX-3 becomes MIN-6MPX-3-SS)

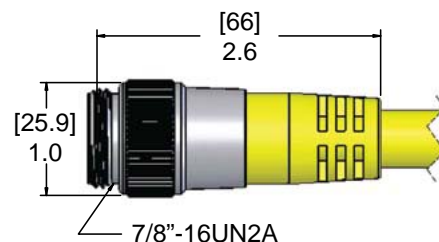
See Page A-33 for Armored Cordset options.

Male Thread Option

For male threaded coupling replace "MPX" with "MMPX".

Male threads are standard on European color code cordsets.

(e.g. MIN-6MPX-3 becomes MIN-6MMPX-3)





7/8" MIN Series Size I Cordsets

6 & 14 Conductor MIN Series Size I Cordsets, 18/22AWG


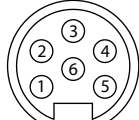
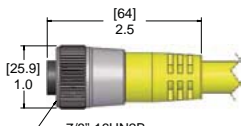


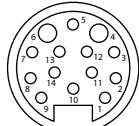


Straight Female Cordsets | 300 Volt, 5.5 amps | 300 Volt, 6 & 1 amps | IP67 Rating



A

MIN Series Size I Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-6FPX-*	Yellow PVC SJTOOW 6 X 18 AWG 300V, 5.5A -40°C to +105°C 10.1mm OD	Industry Standard PVC	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black 6. Blue	 7/8"-16UN2
	MINP-6FPX-*	Yellow PUR AWM 6 X 18 AWG 300V, 5.5A -40°C to +80°C 8.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MINE-6FPX-**	Yellow PVC SJTOOW 6 X 18 AWG 300V, 5.5A -40°C to +105°C 10.1mm OD	Industry Standard PVC	European 1. Green 2. White 3. Blue 4. Gray 5. Yellow 6. Brown	 7/8"-16UN2
	MINP-14FP-**	Black PUR AWM 2 X 18 AWG 300V, 6A 12 x 22 AWG 300V, 1A -40°C to +80°C 8.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR	North American 1. Gray/Pink 2. White/Green 3. White/Yellow 4. Brown*** 5. Brown/Yellow 6. Blue*** 7. Yellow 8. Green 9. Pink 10. White 11. Red/Blue 12. Brown/Green 13. Gray 14. Red	 7/8"-16UN2

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

*** Brown and Blue are 18AWG wires.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-6FPX-3 becomes MIN-6FPX-3-SS)

See Page A-33 for Armored Cordset options.



7/8" MIN Series Size I Cordsets

3 & 4 Conductor MIN Series Size I Cordsets, 18AWG



Right Angle Male Cordsets | 300 Volt, 8 amps | 300 Volt, 5,5 amps | IP67 Rating

A

MIN Series Size I Cordsets



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-3MPX-*R (YELLOW)	PVC SJTOOW 3 X 18 AWG 300V, 8A -40°C to +105°C 8.5mm OD	Industry Standard PVC	North American 1. Green/Yellow 2. Black 3. White	
	MIN-3MPX-*R-B (BLACK)				
	MIN-3MPX-*A-R	Yellow PVC SJTOOW 3 X 18 AWG 300V, 8A -40°C to +105°C 8.5mm OD	Industry Standard PVC	North American Auto Color Code 1. Green/Yellow 2. Red/Black 3. Red/White	7/8"-16UN2
	MINE-3MPX-**R (YELLOW)	PVC AWM 3 X 18 AWG 300V, 8A -40°C to +105°C 7.4mm OD	Industry Standard PVC Male Threaded Coupling Nut	European 1. Green/Yellow 2. Brown 3. Blue	
MINE-3MPX-**R-B (BLACK)					
	MINC-3MPX-**R	Yellow PVC AWM 3 X 18 AWG 300V, 8A -40°C to +105°C 7.4mm OD	Industry Standard PVC Male Threaded Coupling Nut	European Cenelec 1. Black 2. Brown 3. Blue	7/8"-16UN2
	MIN-4MPX-*R	Yellow PVC AWM 4 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC	North American 1. Black 2. White 3. Red 4. Green/Yellow	
	MINC-4MPX-**R	PVC AWM 4 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC Male Threaded Coupling Nut	European Cenelec 1. Brown 2. White 3. Blue 4. Black	
	MINCP-4MPX-**R	Yellow PUR AWM 4 X 18 AWG 300V, 5.5A -40°C to +80°C 7.4mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Male Threaded Coupling Nut		
	MINCW-4MPX-**R	Yellow TPE AWM 4 X 18 AWG 300V, 5.5A -40°C to +80°C 7.4mm OD	Weld Slag Resistant TPE Male Threaded Coupling Nut		

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-4MPX-3-R becomes MIN-4MPX-3-R-SS)

For male threaded coupling replace "MPX" with "MPMX". (e.g. MIN-4MPX-3-R becomes MIN-4MPMX-3-R)

See Page A-33 for Armored Cordset options.



7/8" MIN Series Size I Cordsets

3 & 4 Conductor MIN Series Size I Cordsets, 18AWG



Right Angle Female Cordsets | 300 Volt, 8 amps | 300 Volt, 5,5 amps | IP67 Rating



A

MIN Series Size I Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-3FPX-*R (YELLOW)	PVC SJTOOW 3 X 18 AWG 300V, 8A -40°C to +105°C 8.5mm OD	Industry Standard PVC	North American 1. Green/Yellow 2. Black 3. White	
	MIN-3FPX-*R-B (BLACK)				
	MIN-3FPX-*A-R	Yellow PVC SJTOOW 3 X 18 AWG 300V, 8A -40°C to +105°C 8.5mm OD	Industry Standard PVC	North American Auto Color Code 1. Green/Yellow 2. Red/Black 3. Red/White	
	MINE-3FPX-**R (YELLOW)	PVC AWM 3 X 18 AWG 300V, 8A -40°C to +105°C 7.4mm OD	Industry Standard PVC Male Threaded Coupling Nut	European 1. Green/Yellow 2. Brown 3. Blue	
	MINE-3FPX-**R-B (BLACK)				
	MINC-3FPX-**R	Yellow PVC AWM 3 X 18 AWG 300V, 8A -40°C to +105°C 7.4mm OD	Industry Standard PVC Male Threaded Coupling Nut	European Cenelec 1. Black 2. Brown 3. Blue	7/8"-16UN2
	MIN-4FPX-*R	Yellow PVC AWM 4 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC	North American 1. Black 2. White 3. Red 4. Green/Yellow	 7/8"-16UN2
	MINC-4FPX-**R	PVC AWM 4 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC	European Cenelec 1. Brown 2. White 3. Blue 4. Black	 7/8"-16UN2
	MINCP-4FPX-**R	Yellow PUR AWM 4 X 18 AWG 300V, 5.5A -40°C to +80°C 7.4mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MINCW-4FPX-**R	Yellow TPE AWM 4 X 18 AWG 300V, 5.5A -40°C to +80°C 7.4mm OD	Weld Slag Resistant TPE		

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-4FPX-3-R-SS becomes MIN-4FPX-3-R-SS)

See Page A-33 for Armored Cordset options.



7/8" MIN Series Size I Cordsets

5 & 6 Conductor MIN Series Size I Cordsets, 18AWG



Right Angle Male Cordsets | 300 Volt, 5.5 amps | IP67 Rating

A

MIN Series Size I Cordsets



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-5MPX-*-R (YELLOW) MIN-5MPX-*-R-B (BLACK)	PVC AWM 5 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black	 7/8"-16UN2
	MINP-5MPX-*-R	Yellow PUR AWM 5 X 18 AWG 300V, 5.5A -40°C to +80°C 7.4mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MIN-5MPX-*-A-R (YELLOW) MIN-5MPX-*-A-R-B (BLACK)	Yellow PVC AWM 5 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC		
	MINE-5MPX-**-R	Yellow PVC AWM 5 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC Male Threaded Coupling Nut	European 1. Black 2. Blue 3. Green/Yellow 4. Brown 5. White	 7/8"-16UN2
	MIN-6MPX-*-R	Yellow PVC SJTOOW 6 X 18 AWG 300V, 5.5A -40°C to +105°C 10.1mm OD	Industry Standard PVC	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black 6. Blue	 7/8"-16UN2
	MINP-6MPX-*-R	Yellow PUR AWM 6 X 18 AWG 300V, 5.5A -40°C to +80°C 8.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MINE-6MPX-**-R	Yellow PVC SJTOOW 6 X 18 AWG 300V, 5.5A -40°C to +105°C 10.1mm OD	Industry Standard PVC Male Threaded Coupling Nut	European 1. Green 2. White 3. Blue 4. Gray 5. Yellow 6. Brown	 7/8"-16UN2

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-5MPX-3-R becomes MIN-5MPX-3-R-SS)

For male threaded coupling replace "MPX" with "MPMX". (e.g. MIN-5MPX-3-R becomes MIN-5MPMX-3-R)

See Page A-33 for Armored Cordset options.



7/8" MIN Series Size I Cordsets

5 & 6 Conductor MIN Series Size I Cordsets, 18AWG



Right Angle Female Cordsets | 300 Volt, 5.5 amps | IP67 Rating



A

MIN Series Size I Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-5FPX-*-R (YELLOW) MIN-5FPX-*-R-B (BLACK)	PVC AWM 5 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black	 7/8"-16UN2
	MINP-5FPX-*-R	Yellow PUR AWM 5 X 18 AWG 300V, 5.5A -40°C to +80°C 7.4mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MIN-5FPX-*A-R (YELLOW) MIN-5FPX-*A-R-B (BLACK)	Yellow PVC AWM 5 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC	North American Auto Color Code 1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black	
	MINE-5FPX-**R	Yellow PVC AWM 5 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC	European 1. Black 2. Blue 3. Green/Yellow 4. Brown 5. White	 7/8"-16UN2
	MIN-6FPX-*-R	Yellow PVC SJTOOW 6 X 18 AWG 300V, 5.5A -40°C to +105°C 10.1mm OD	Industry Standard PVC	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black 6. Blue	 7/8"-16UN2
	MINP-6FPX-*-R	Yellow PUR AWM 6 X 18 AWG 300V, 5.5A -40°C to +80°C 8.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MINE-6FPX-**R	Yellow PVC SJTOOW 6 X 18 AWG 300V, 5.5A -40°C to +105°C 10.1mm OD	Industry Standard PVC	European 1. Green 2. White 3. Blue 4. Gray 5. Yellow 6. Brown	 7/8"-16UN2

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MIN-5FPX-3-R becomes MIN-5FPX-3-R-SS)

See Page A-33 for Armored Cordset options.



7/8" MIN Series Size I Cordsets

3, 4 & 5 Conductor MIN Series Size I Cordsets, 18AWG



Double Ended Cordsets | 300 Volt, 8 amps | 300 Volt, 5,5 amps | IP67 Rating

A

MIN Series Size I Cordsets



Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
<p>7/8"-16UN2</p>	MIN-3MFPX-* (YELLOW) MIN-3MFPX-* (BLACK)	PVC SJTOOW 3 X 18 AWG 300V, 8A -40°C to +105°C 8.5mm OD	Industry Standard PVC	North American 1. Green/Yellow 2. Black 3. White	<p>7/8"-16UN2</p>
	MINE-3MFPX-**	PVC AWM 3 X 18 AWG 300V, 8A -40°C to +105°C 7.4mm OD	Industry Standard PVC Male Connector has Male Threads	European 1. Green/Yellow 2. Red/Black 3. Red/White	
<p>7/8"-16UN2</p>	MIN-4MFPX-*	PVC AWM 4 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC	North American 1. Black 2. White 3. Red 4. Green/Yellow	<p>7/8"-16UN2</p>
<p>7/8"-16UN2</p>	MINC-4MFPX-**	Yellow PVC AWM 4 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC Male Connector has Male Threads	European Cenelec 1. Brown 2. White 3. Blue 4. Black	<p>7/8"-16UN2</p>
	MINCP-4MFPX-**	Yellow PUR AWM 4 X 18 AWG 300V, 5.5A -40°C to +80°C 7.4mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Male Connector has Male Threads		
	MINCW-4MFPX-**	Yellow TPE AWM 4 X 18 AWG 300V, 5.5A -40°C to +80°C 7.4mm OD	Weld Slag Resistant TPE Male Connector has Male Threads		
<p>7/8"-16UN2</p>	MIN-5MFPX-* (YELLOW) MIN-5MFPX-* (BLACK)	PVC AWM 5 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black	<p>7/8"-16UN2</p>
	MINP-5MFPX-*	Yellow PUR AWM 5 X 18 AWG 300V, 5.5A -40°C to +80°C 13.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MINE-5MFPX-**	PVC AWM 5 X 18 AWG 300V, 5.5A -40°C to +105°C 7.4mm OD	Industry Standard PVC Male Connector has Male Threads		



7/8" MIN Series Size I Cordsets

6 & 14 Conductor MIN Series Size I Cordsets, 18/22AWG



Double Ended Cordsets | 300 Volt, 5.5 amps | 300 Volt, 6 & 1 amps | IP67 Rating



A

MIN Series Size I Cordsets

Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
<p>7/8"-16UN2</p>	MIN-6MFPX-*	Yellow PVC SJTOOW 6 X 18 AWG 300V, 5.5A -40°C to +105°C 10.1mm OD	Industry Standard PVC	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black 6. Blue	<p>7/8"-16UN2</p>
	MINP-6MFPX-*	Yellow PUR AWM 6 X 18 AWG 300V, 5.5A -40°C to +80°C 8.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MINE-6MFPX-**	Yellow PVC SJTOOW 6 X 18 AWG 300V, 5.5A -40°C to +105°C 10.1mm OD	Industry Standard PVC Male Connector has Male Threads	European 1. Green 2. White 3. Blue 4. Gray 5. Yellow 6. Brown	
<p>7/8"-16UN2</p>	MINP-14MFP-**	Black PUR AWM 2 X 18 AWG 300V, 6A 12 x 22 AWG 300V, 1A -40°C to +80°C 8.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Male Connector has Male Threads	North American 1. Grey/Pink 2. White/Green 3. White/Yellow 4. Brown*** 5. Brown/Yellow 6. Blue*** 7. Yellow 8. Green 9. Pink 10. White 11. Red/Blue 12. Brown/Green 13. Gray 14. Red	<p>7/8"-16UN2</p>

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

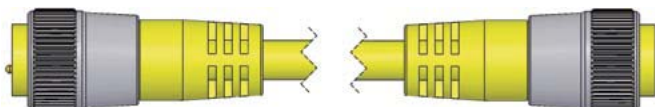
*** Brown and Blue are 18AWG wires.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MIN-4MFPX-3-SS becomes MIN-4MFPX-3-SS)

For male threaded coupling replace "MFPX" with "MFPMX". (e.g. MIN-4MFPX-3 becomes MIN-4MFPMX-3)

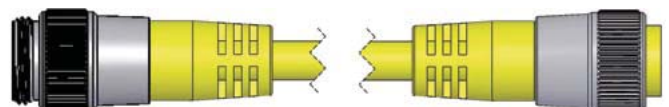
See Page A-33 for Armored Cordset options.

Male - Female Extension

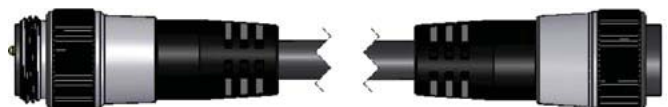


3, 4, 5 & 6 Conductors

Male (Male Threads) - Female (Female Threads) Extension



3, 4, 5 & 6 Conductors



14 Conductors



7/8" MIN Series Size I Cordsets

2 & 3 Conductor MIN Series Size I Cordsets, 16AWG



Straight Male Cordsets | 600 Volt, 13 amps | IP67 Rating

A

MIN Series Size I Cordsets



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-2MP-*	Yellow PVC STOOW 2 X 16 AWG 600V, 13A -40°C to +105°C 9.4mm OD	Industry Standard PVC	North American 1. White 2. Black	 7/8"-16UN2
	MIN-3MP-*(YELLOW) MIN-3MP-*-B (BLACK)	PVC STOOW 3 X 16 AWG 600V, 13A -40°C to +105°C 10mm OD	Industry Standard PVC	North American 1. Green/Yellow 2. Black 3. White	 7/8"-16UN2
	MINM-3MP-*	Yellow PVC STOOW With Foil Shield 3 X 16 AWG 600V, 13A -40°C to +105°C 10mm OD	Industry Standard PVC Foil Shield	North American 1. Green/Yellow 2. Black 3. White	 7/8"-16UN2
	MINP-3MP-*	Yellow PUR AWM 3 X 16 AWG 600V, 13A -40°C to +80°C 10mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MINW-3MP-*(YELLOW) MINW-3MP-*-B (BLACK)	TPE SEOOW 3 X 16 AWG 600V, 13A -40°C to +80°C 10mm OD	Weld Slag Resistant TPE		
	MIN-3MP-*A	Yellow PVC STOOW 3 X 16 AWG 600V, 13A -40°C to +105°C 10mm OD	Industry Standard PVC	North American Auto Color Code 1. Green/Yellow 2. Red/Black 3. Red/White	 7/8"-16UN2

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

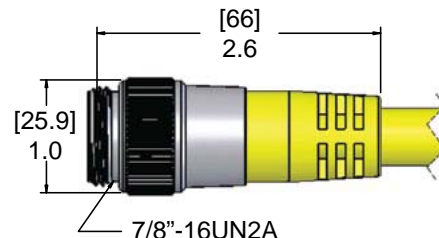
Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-3MP-3 becomes MIN-3MP-3-SS)

See Page A-33 for Armored Cordset options.

Male Thread Option

For male threaded coupling replace "MP" with "MPM".

(e.g. MIN-3MP-3 becomes MIN-3MPM-3)





7/8" MIN Series Size I Cordsets

2 & 3 Conductor MIN Series Size I Cordsets, 16AWG



Straight Female Cordsets | 600 Volt, 13 amps | 600 Volt, 10 amps | IP67 Rating



A

MIN Series Size I Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-2FP-*	Yellow PVC STOOW 2 X 16 AWG 600V, 13A -40°C to +105°C 9.4mm OD	Industry Standard PVC	North American 1. White 2. Black	 7/8"-16UN2
	MIN-3FP- (YELLOW) MIN-3FP- (BLACK)	PVC STOOW 3 X 16 AWG 600V, 13A -40°C to +105°C 10mm OD	Industry Standard PVC	North American 1. Green/Yellow 2. Black 3. White	 7/8"-16UN2
	MINM-3FP-*	Yellow PVC STOOW With Foil Shield 3 X 16 AWG 600V, 13A -40°C to +105°C 10mm OD	Industry Standard PVC Foil Shield		
	MINP-3FP-*	Yellow PUR AWM 3 X 16 AWG 600V, 13A -40°C to +80°C 10mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MINW-3FP- (YELLOW) MINW-3FP- (BLACK)	TPE SEOOW 3 X 16 AWG 600V, 13A -40°C to +80°C 10mm OD	Weld Slag Resistant TPE		
	MIN-3FP- A	Yellow PVC STOOW 3 X 16 AWG 600V, 13A -40°C to +105°C 10mm OD	Industry Standard PVC	North American Auto Color Code 1. Green/Yellow 2. Red/Black 3. Red/White	 7/8"-16UN2

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-3FP-3 becomes MIN-3FP-3-SS)

See Page A-33 for Armored Cordset options.



7/8" MIN Series Size I Cordsets

4 Conductor MIN Series Size I Cordsets, 16AWG



Straight Male Cordsets | 600 Volt, 10 amps | IP67 Rating

A

MIN Series Size I Cordsets



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-4MP-* (YELLOW)	PVC STOOW 4 X 16 AWG 600V, 10A -40°C to +105°C 10.8mm OD	Industry Standard PVC	North American 1. Black 2. White 3. Red 4. Green/Yellow	 7/8"-16UN2
	MIN-4MP-* (BLACK)	Yellow PVC STOOW With Foil Shield 4 X 16 AWG 600V, 10A -40°C to +105°C 10.8mm OD	Industry Standard PVC Foil Shield		
	MINM-4MP-*	Yellow PVC STOOW With Foil Shield 4 X 16 AWG 600V, 10A -40°C to +105°C 10.8mm OD	Industry Standard PVC Foil Shield		

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

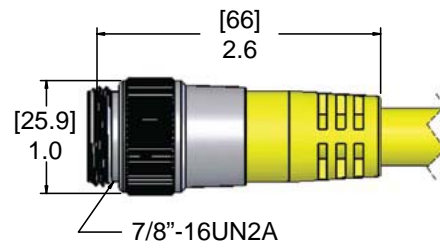
Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-4MP-3 becomes MIN-4MP-3-SS)

See Page A-33 for Armored Cordset options.

Male Thread Option

For male threaded coupling replace "MP" with "MPM".

(e.g. MIN-4MP-3 becomes MINM-4MPM-3)





7/8" MIN Series Size I Cordsets

4 Conductor MIN Series Size I Cordsets, 16AWG



Straight Female Cordsets | 600 Volt, 10 amps | IP67 Rating



A

MIN Series Size I Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-4FP-* (YELLOW)	PVC STOOW 4 X 16 AWG 600V, 10A -40°C to +105°C 10.8mm OD	Industry Standard PVC	North American 1. Black 2. White 3. Red 4. Green/Yellow	 7/8"-16UN2
	MIN-4FP-*B (BLACK)				
	MINM-4FP-*	Yellow PVC STOOW With Foil Shield 4 X 16 AWG 600V, 10A -40°C to +105°C 10.8mm OD	Industry Standard PVC Foil Shield		

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-4FP-3 becomes MIN-4FP-3-SS)

See Page A-33 for Armored Cordset options.



7/8" MIN Series Size I Cordsets

5 & 6 Conductor MIN Series Size I Cordsets, 16AWG



Straight Male Cordsets | 600 Volt, 8 amps | IP67 Rating

A

MIN Series Size I Cordsets



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-5MP-* (YELLOW) MIN-5MP-* (BLACK)	PVC STOOV 5 X 16 AWG 600V, 8A -40°C to +105°C 12.9mm OD	Industry Standard PVC	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black	 7/8"-16UN2
	MINM-5MP-*	Yellow PVC STOOV With Foil Shield 5 X 16 AWG 600V, 8A -40°C to +105°C 12.9mm OD	Industry Standard PVC Foil Shield		
	MINW-5MP-*	Yellow TPE SEOOV 5 X 16 AWG 600V, 8A -40°C to +80°C 12.9mm OD	Weld Slag Resistant TPE		
	MIN-5MP-*A	Yellow PVC STOOV 5 X 16 AWG 600V, 8A -40°C to +105°C 12.9mm OD	Industry Standard PVC	North American Auto Color Code 1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black	 7/8"-16UN2
	MIN-6MP-* (YELLOW) MIN-6MP-* (BLACK)	PVC STOOV 6 X 16 AWG 600V, 8A -40°C to +105°C 13.3mm OD	Industry Standard PVC	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black 6. Blue	 7/8"-16UN2

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

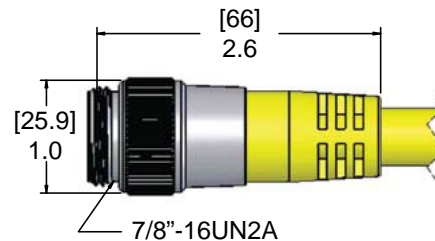
Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MIN-6MP-3 becomes MIN-6MP-3-SS)

See Page A-33 for Armored Cordset options.

Male Thread Option

For male threaded coupling replace "MP" with "MPM".

(e.g. MIN-5MP-3 becomes MIN-5MPM-3)





7/8" MIN Series Size I Cordsets

5 & 6 Conductor MIN Series Size I Cordsets, 16AWG

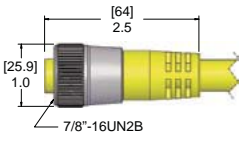
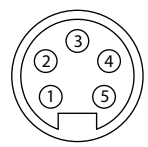
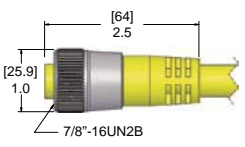
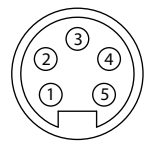
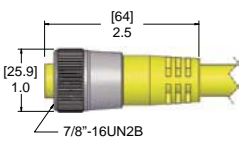
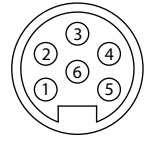


Straight Female Cordsets | 600 Volt, 8 amps | IP67 Rating



A

MIN Series Size I Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-5FP-* (YELLOW) MIN-5FP-* -B (BLACK)	PVC STOOV 5 X 16 AWG 600V, 8A -40°C to +105°C 12.9mm OD	Industry Standard PVC	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black	 7/8"-16UN2
	MINM-5FP-*	Yellow PVC STOOV With 5 X 16 AWG 600V, 8A -40°C to +105°C 12.9mm OD	Industry Standard PVC Foil Shield		
	MINW-5FP-*	Yellow TPE SEOOW 5 X 16 AWG 600V, 8A -40°C to +80°C 12.9mm OD	Weld Slag Resistant TPE		
	MIN-5FP-*A	Yellow PVC SJTOOW 5 X 16 AWG 600V, 8A -40°C to +105°C 12.9mm OD	Industry Standard PVC	North American Auto Color Code 1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black	 7/8"-16UN2
	MIN-6FP-* (YELLOW) MIN-6FP-* -B (BLACK)	PVC STOOV 6 X 16 AWG 600V, 8A -40°C to +105°C 13.3mm OD	Industry Standard PVC	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black 6. Blue	 7/8"-16UN2

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MIN-6FP-3 becomes MIN-6FP-3-SS)

See Page A-33 for Armored Cordset options.



7/8" MIN Series Size I Cordsets

2, 3 & 4 Conductor MIN Series Size I Cordsets, 16AWG



Right Angle Male Cordsets | 600 Volt, 13 amps | 600 Volt 10 amps | IP67 Rating

A

MIN Series Size I Cordsets



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-2MP-*-R	Yellow PVC STOOW 2 X 16 AWG 600V, 13A -40°C to +105°C 9.5mm OD	Industry Standard PVC	North American 1. White 2. Black	 7/8"-16UN2
	MIN-3MP-*-R (YELLOW) MIN-3MP-*-R-B (BLACK)	PVC STOOW 3 X 16 AWG 600V, 13A -40°C to +105°C 10mm OD	Industry Standard PVC	North American 1. Green/Yellow 2. Black 3. White	 7/8"-16UN2
MINM-3MP-*-R	Yellow PVC STOOW With Foil Shield 3 X 16 AWG 600V, 13A -40°C to +105°C 10mm OD	Industry Standard PVC Foil Shield			
MINP-3MP-*-R	Yellow PUR AWM 3 X 16 AWG 600V, 13A -40°C to +80°C 10mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR			
MINW-3MP-*-R (YELLOW) MINW-3MP-*-B-R (BLACK)	TPE SEOOW 3 X 16 AWG 600V, 13A -40°C to +80°C 10mm OD	Weld Slag Resistant TPE			
MIN-3MP-*-A-R	Yellow PVC STOOW 3 X 16 AWG 600V, 13A -40°C to +105°C 10mm OD	Industry Standard PVC	North American Auto Color Code 1. Green/Yellow 2. Red/Black 3. Red/White		
	MIN-4MP-*-R (YELLOW) MIN-4MP-*-R-B (BLACK)	PVC STOOW 4 X 16 AWG 600V, 10A -40°C to +105°C 10.8mm OD	Industry Standard PVC		
	MINM-4MP-*-R	Yellow PVC STOOW With Foil Shield 4 X 16 AWG 600V, 10A -40°C to +105°C 10.8mm OD	Industry Standard PVC Foil Shield		

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-4MP-3-R becomes MIN-4MP-3-R-SS)

For male threaded coupling replace "MP" with "MPM". (e.g. MIN-3MP-3-R becomes MIN-3MPM-3-R)

See Page A-33 for Armored Cordset options.



7/8" MIN Series Size I Cordsets

2, 3 & 4 Conductor MIN Series Size I Cordsets, 16AWG



Right Angle Female Cordsets | 600 Volt, 13 amps | 600 Volt 10 amps | IP67 Rating



A

MIN Series Size I Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-2FP-*-R	Yellow PVC STOOW 2 X 16 AWG 600V, 13A -40°C to +105°C 9.5mm OD	Industry Standard PVC	North American 1. White 2. Black	 7/8"-16UN2
	MIN-3FP-*-R (YELLOW) MIN-3FP-*-R-B (BLACK)	PVC STOOW 3 X 16 AWG 600V, 13A -40°C to +105°C 10mm OD	Industry Standard PVC	North American 1. Green/Yellow 2. Black 3. White	 7/8"-16UN2
MINM-3FP-*-R	Yellow PVC STOOW With Foil Shield 3 X 16 AWG 600V, 13A -40°C to +105°C 10mm OD	Industry Standard PVC Foil Shield			
MINP-3FP-*-R	Yellow PUR AWM 3 X 16 AWG 600V, 13A -40°C to +80°C 10mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR			
MINW-3FP-*-R (YELLOW) MINW-3FP-*-B-R (BLACK)	TPE SEOOW 3 X 16 AWG 600V, 13A -40°C to +80°C 10mm OD	Weld Slag Resistant TPE			
MIN-3FP-*A-R	Yellow PVC STOOW 3 X 16 AWG 600V, 13A -40°C to +105°C 10mm OD	Industry Standard PVC	North American Auto Color Code 1. Green/Yellow 2. Red/Black 3. Red/White		
	MIN-4FP-*-R (YELLOW) MIN-4FP-*-R-B (BLACK)	PVC STOOW 4 X 16 AWG 600V, 10A -40°C to +105°C 10.8mm OD	Industry Standard PVC		
	MINM-4FP-*-R	Yellow PVC STOOW With Foil Shield 4 X 16 AWG 600V, 10A -40°C to +105°C 10.8mm OD	Industry Standard PVC Foil Shield		

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MIN-4FP-3-R becomes MIN-4FP-3-R-SS)

See Page A-33 for Armored Cordset options.



7/8" MIN Series Size I Cordsets

5 & 6 Conductor MIN Series Size I Cordsets, 16AWG



Right Angle Male Cordsets | 600 Volt, 8 amps | IP67 Rating

A

MIN Series Size I Cordsets



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-5MP-*-R (YELLOW) MIN-5MP-*-R-B (BLACK)	PVC STOOW 5 X 16 AWG 600V, 8A -40°C to +105°C 13.1mm OD	Industry Standard PVC		<p>7/8"-16UN2</p>
	MINM-5MP-*-R	Yellow PVC STOOW With Foil Shield 5 X 16 AWG 600V, 8A -40°C to +105°C 13.1mm OD	Industry Standard PVC Foil Shield		
	MINW-5MP-*-R	Yellow TPE SEOOW 5 X 16 AWG 600V, 8A -40°C to +80°C 13.1mm OD	Weld Slag Resistant TPE		
	MIN-5MP-*-A-R	Yellow PVC STOOW 5 X 16 AWG 600V, 8A -40°C to +105°C 13.1mm OD	Industry Standard PVC	North American Auto Color Code 1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black	
	MIN-6MP-*-R (YELLOW) MIN-6MP-*-R-B (BLACK)	PVC STOOW 6 X 16 AWG 600V, 8A -40°C to +105°C 13.3mm OD	Industry Standard PVC	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black 6. Blue	<p>7/8"-16UN2</p>

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-6MP-3 becomes MIN-6MP-3-R-SS)

For male threaded coupling replace "MP" with "MPM". (e.g. MIN-5MP-3-R becomes MIN-5MPM-3-R)

See Page A-33 for Armored Cordset options.



7/8" MIN Series Size I Cordsets

5 & 6 Conductor MIN Series Size I Cordsets, 16AWG



Right Angle Female Cordsets | 600 Volt, 8 amps | IP67 Rating



A

MIN Series Size I Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-5FP-*-R (YELLOW) MIN-5FP-*-R-B (BLACK)	PVC STOOW 5 X 16 AWG 600V, 8A -40°C to +105°C 13.1mm OD	Industry Standard PVC		 7/8"-16UN2
	MINM-5FP-*-R	Yellow PVC STOOW With Foil Shield 5 X 16 AWG 600V, 8A -40°C to +105°C 13.1mm OD	Industry Standard PVC Foil Shield		
	MINW-5FP-*-R	Yellow TPE SEOWW 5 X 16 AWG 600V, 8A -40°C to +80°C 13.1mm OD	Weld Slag Resistant TPE		
	MIN-5FP-*-A-R	Yellow PVC STOOW 5 X 16 AWG 600V, 8A -40°C to +105°C 13.1mm OD	Industry Standard PVC	North American Auto Color Code 1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black	
	MIN-6FP-*-R (YELLOW) MIN-6FP-*-R-B (BLACK)	PVC STOOW 6 X 16 AWG 600V, 8A -40°C to +105°C 13.3mm OD	Industry Standard PVC	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black 6. Blue	 7/8"-16UN2

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-6FP-3-R becomes MIN-6FP-3-R-SS)

See Page A-33 for Armored Cordset options.

7/8" MIN Series Size I Cordsets

2 & 3 Conductor MIN Series Size I Cordsets, 16AWG



Double Ended Cordsets | 600 Volt, 13 amps | IP67 Rating

A

MIN Series Size I Cordsets



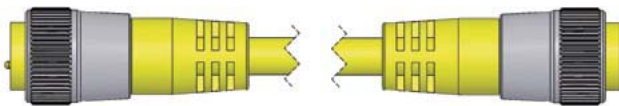
Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
<p>7/8"-16UN2</p>	MIN-2MFP-*	Yellow PVC STOOW 2 X 16 AWG 600V, 13A -40°C to +105°C 9.5mm OD	Industry Standard PVC	North American 1. White 2. Black	<p>7/8"-16UN2</p>
<p>7/8"-16UN2</p>	MIN-3MFP-* (YELLOW)	PVC STOOW 3 X 16 AWG 600V, 13A -40°C to +105°C 8.5mm OD	Industry Standard PVC	North American 1. Green/Yellow 2. Black 3. White	<p>7/8"-16UN2</p>
	MIN-3MFP-*-B (BLACK)				
	MINM-3MFP-*	Yellow PVC STOOW With Foil Shield 3 X 16 AWG 600V, 13A -40°C to +105°C 10mm OD	Industry Standard PVC Foil Shield		
	MINP-3MFP-*	Yellow PUR AWM 3 X 16 AWG 600V, 13A -40°C to +80°C 10.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MINW-3MFP-* (YELLOW)	TPE SEOOW 3 X 16 AWG 600V, 13A -40°C to +80°C 10mm OD	Weld Slag Resistant TPE		
	MINW-3MFP-*-B (BLACK)				

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

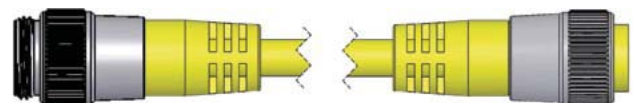
Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-3MFP-3 becomes MIN-3MFP-3-SS)

For male threaded coupling replace "MFP" with "MFPM". (e.g. MIN-3MFP-3 becomes MIN-3MFPM-3)

See Page A-33 for Armored Cordset options.



Male - Female Extension



Male (Male Threads) - Female (Female Threads) Extension



7/8" MIN Series Size I Cordsets

4, 5 & 6 Conductor MIN Series Size I Cordsets, 16AWG



Double Ended Cordsets | 600 Volt, 10 amps | 600 Volt, 8 amps | IP67 Rating



A

MIN Series Size I Cordsets

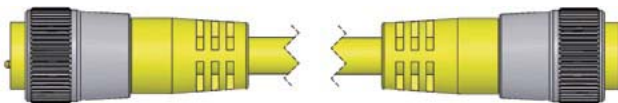
Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
 7/8"-16UN2	MIN-4MFP-* (YELLOW) MIN-4MFP-* (BLACK)	PVC STOOW 4 X 16 AWG 600V, 10A -40°C to +105°C 10.8mm OD	Industry Standard PVC	North American 1. Black 2. White 3. Red 4. Green/Yellow	 7/8"-16UN2
	MINM-4MFP-*	Yellow PVC STOW With Foil Shield 4 X 16 AWG 600V, 10A -40°C to +105°C 10.8mm OD	Industry Standard PVC Foil Shield		
 7/8"-16UN2	MIN-5MFP-* (YELLOW) MIN-5MFP-* (BLACK)	Yellow PVC STOOW 5 X 16 AWG 600V, 8A -40°C to +105°C 13.1mm OD	Industry Standard PVC	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black	 7/8"-16UN2
	MINM-5MFP-*	Yellow PVC STOOW With Foil Shield 5 X 16 AWG 600V, 8A -40°C to +105°C 13.1mm OD	Industry Standard PVC		
	MINW-5MFP-*	TPE SEOOW 5 X 16 AWG 600V, 8A -40°C to +80°C 13.1mm OD	Weld Slag Resistant TPE		
 7/8"-16UN2	MIN-6MFP-* (YELLOW) MIN-6MFP-* (BLACK)	PVC STOOW 6 X 16 AWG 600V, 8A -40°C to +105°C 13.3mm OD	Industry Standard PVC	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black 6. Blue	 7/8"-16UN2

* Lengths in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

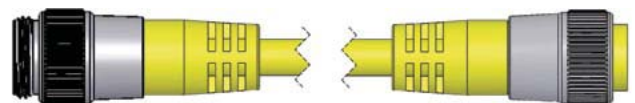
Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-4MFP-3 becomes MIN-4MFP-3-SS)

For male threaded coupling replace "MFP" with "MFPM". (e.g. MIN-5MFP-3 becomes MIN-5MFPM-3)

See Page A-33 for Armored Cordset options.



Male - Female Extension



Male (Male Threads) - Female (Female Threads) Extension



7/8" MIN Series Size I Cordsets

3 Conductor MIN Series Size I to NEMA 5-15 Cordsets, 16AWG



Double Ended Cordsets | 300 Volt, 12 amps | IP67 Rating

A

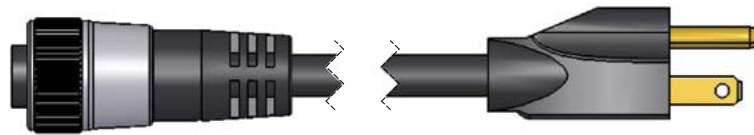
MIN Series Size I Cordsets



Female Faceview	Part Number	Cables	Features	Color Code	NEMA 5-15 Faceview
<p>7/8"-16UN2</p>	MIN-3FP-NM515-*-B	Black PVC STOOW 3 X 16 AWG 300V, 12A -40°C to +105°C 9.4mm OD	Industry Standard PVC	NEMA 1. Ground 2. L1 3. L2	

* Lengths in feet. Standard cable lengths are 3, 6 & 12 feet. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MIN-3FP-NM515-3-B becomes MIN-3FP-NM515-3-B-SS)



Female - NEMA 5-15 Extension

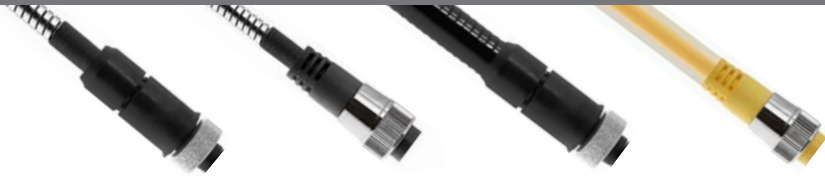


7/8" MIN Series Size I Armored Cordsets

Connectivity Solutions for Harsh & Rugged Environments



Stainless Steel Armor | PVC Covered Jacket | Silicone Tube



A

MIN Series Size I Cordsets

Connector Body Style	Suffix Number	Description	Features
	A01	Stainless Steel with Cable Inside	Crush, Corrosion and Abrasion Resistant
	A02	Stainless Steel with Discrete Wires	Crush, Corrosion and Abrasion Resistant
	A02T	Stainless Steel with Teflon Discrete Wires	Crush, Corrosion and Abrasion Resistant Hi-Temperature Resistant
	A03	PVC Covered Stainless Steel with Cable Inside	Water Tight Crush and Abrasion Resistant
	A04	PVC Covered Stainless Steel with Discrete Wires	Water Tight Crush and Abrasion Resistant
	A50*	Silicone Tube (Stops at Overmold)	Chemical and Weld Slag Resistant Hi-Temperature Resistant

* A50 only Available for 2, 3 and 4 pole MIN cables

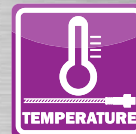
To specify Armored Cordsets, add a suffix number to the end of the part number (e.g. MIN-4FP-6 becomes MIN-4FP-6-A03).

Why do I need this product?

- To extend the life of existing assemblies in potentially destructive environments
- Connectorize to make faster installation and future repairs

Where are these products used?

Harsh & Rugged Environments exposed to Chemicals, Abrasions, High Temperature, Wash Down, Welding, Cutting, Marine Applications...





7/8" MIN Series Size I Field Wireable Plugs

3, 4, 5 & 6 Conductor MIN Series Size I Field Wireable Plugs, 14-22AWG


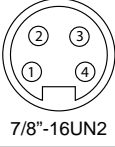





Field Wireable Plugs | 600 Volt MAX, 18 amps MAX | IP67 Rating

A

MIN Series Size I Cordsets



# of Poles	Female Faceview	Rating	Wire AWG	Cable O.D. Range	Male Straight		Female Straight
					Female Threads	Male Threads	
3	 7/8"-16UN2	600V MAX 18A MAX	14-22 AWG	5-13 mm	MIN-3MP-FW	MIN-3MPM-FW	MIN-3FP-FW
				8-17 mm	MIN-3MP-FWX	MIN-3MPM-FWX	MIN-3FP-FWX
4	 7/8"-16UN2	600V MAX 15A MAX	14-22 AWG	5-13 mm	MIN-4MP-FW	MIN-4MPM-FW	MIN-4FP-FW
				8-17 mm	MIN-4MP-FWX	MIN-4MPM-FWX	MIN-4FP-FWX
4	 7/8"-16UN2	600V MAX 15A MAX	14-22 AWG	5-13 mm	N/A	MINC-4MP-FW	MINC-4FP-FW
				8-17 mm	N/A	MINC-4MP-FWX	MINC-4FP-FWX
5	 7/8"-16UN2	600V MAX 12A MAX	14-22 AWG	5-13 mm	MIN-5MP-FW	MIN-5MPM-FW	MIN-5FP-FW
				8-17 mm	MIN-5MP-FWX	MIN-5MPM-FWX	MIN-5FP-FWX
6	 7/8"-16UN2	600V MAX 8A MAX	16-22 AWG	5-13 mm	MIN-6MP-FW	MIN-6MPM-FW	MIN-6FP-FW
				8-17 mm	MIN-6MP-FWX	MIN-6MPM-FWX	MIN-6FP-FWX

Voltage and amperage ratings are cable dependent and are based on 600V 14 AWG cable.

Cables with lower voltage ratings and smaller conductors will lower these ratings.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MIN-4FP-FW becomes MIN-4FP-FW-SS)

**Male Straight
(Female Threads)**

**Male Straight
(Male Threads)**

**Female Straight
(Female Threads)**

**Nickel Plate Brass
Version**



**Stainless Steel
Version**



Specifications:

Body: Polyamide
 Contacts: Copper Alloy with Gold Plating
 O-Ring: NBR
 Coupling Nut: Nickel Plated Brass/Stainless Steel

Insert: PVC
 Connections: Screw Terminals
 Temperature: -40 °C to +105°C (-40°F to +194°F)



7/8" MIN Series Size I "T" Connectors

3, 4, 5 & 6 Conductor MIN Series Size I "T" Connector, 16AWG

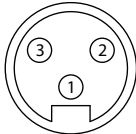
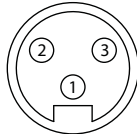
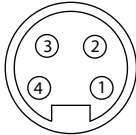
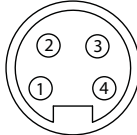
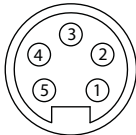
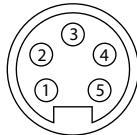
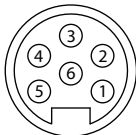
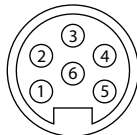


"T" Connectors | Male to Two Female | 300 Volt, 8 amps | IP67 Rating



A

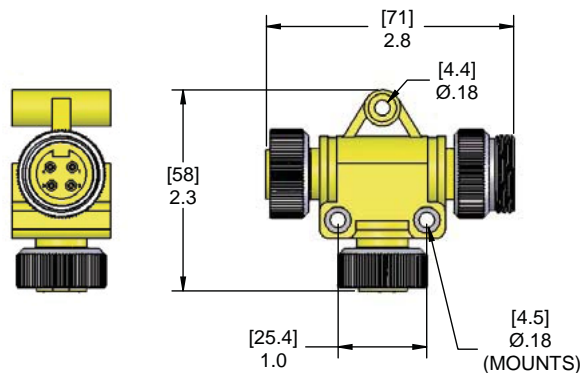
MIN Series Size I Cordsets

# of Poles	Male Faceview	Part Number	Wiring	Female Faceview
3	 <p>7/8"-16UN2</p>	MIN-3MFF-T	1 to 1 to 1 2 to 2 to 2 3 to 3 to 3	 <p>7/8"-16UN2</p>
4	 <p>7/8"-16UN2</p>	MIN-4MFF-T	1 to 1 to 1 2 to 2 to 2 3 to 3 to 3 4 to 4 to 4	 <p>7/8"-16UN2</p>
5	 <p>7/8"-16UN2</p>	MIN-5MFF-T	1 to 1 to 1 2 to 2 to 2 3 to 3 to 3 4 to 4 to 4 5 to 5 to 5	 <p>7/8"-16UN2</p>
6	 <p>7/8"-16UN2</p>	MIN-6MFF-T	1 to 1 to 1 2 to 2 to 2 3 to 3 to 3 4 to 4 to 4 5 to 5 to 5 6 to 6 to 6	 <p>7/8"-16UN2</p>

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MIN-4MFF-T becomes MIN-4MFF-T-SS)

Specifications:

- Body : Oil Resistant Yellow PVC
- Contacts : Copper Alloy with Gold Plating
- Coupling Nut : Nickel Plated Brass
- Temperature : -40 °C to +105 °C



ALL THREADS 7/8-16 UN



7/8" MIN Series Size I Accessories

3, 4 & 5 Conductor MIN (7/8"-16UN) to MDC (M12x1) Adapter Plugs



Adapter Plugs | MIN (7/8"-16UN) to MDC (M12 x1) | 300 Volt, 4 amps | IP67 Rating

A

MIN Series Size I Cordsets



MDC Male to MIN Female					
Housing Style	Part Number	Rating	Male Faceview	Connection Diagram	Female Faceview
	MDCIN-3MFP-AD1	300V 4A	<p>M12 x 1</p>		<p>7/8"-16UN2</p>
	MDCIN-4MFP-AD1		<p>M12 x 1</p>		<p>7/8"-16UN2</p>
	MDCIN-5MFP-AD1		<p>M12 x 1</p>		<p>7/8"-16UN2</p>
MIN Male to MDC Female					
	MINEDC-3MFP-AD1	300V 4A	<p>7/8"-16UN2</p>		<p>M12 x 1</p>
	MINEDC-4MFP-AD1		<p>7/8"-16UN2</p>		<p>M12 x 1</p>
	MINEDC-5MFP-AD1		<p>7/8"-16UN2</p>		<p>M12 x 1</p>

Specifications:

- Body: Oil Resistant Yellow PVC
- Contacts: Copper Alloy with Gold Plating
- Coupling Nuts: Nickel Plated Brass
- Inserts: MDC: Polyamide
MIN: Oil Resistant PVC
- O-Ring: NBR

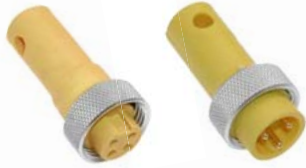


7/8" MIN Series Size I Accessories

MIN Series Size I Dummy Plugs



Dummy Plugs | Jumpered Pins | IP67 Rating



A

MIN Series Size I Cordsets

# of Poles	Male Faceview	Jumpers	Male Plugs	Female Plugs
2	7/8"-16UN2	1 to 2	MIN-2MP-DP1	MIN-2FP-DP1
3	7/8"-16UN2	2 to 3	MIN-3MP-DP1	MIN-3FP-DP1
4	7/8"-16UN2	1 to 2 3 to 4	MIN-4MP-DP1	MIN-4FP-DP1
5	7/8"-16UN2	2 to 4	MIN-5MP-DP1	MIN-5FP-DP1
6	7/8"-16UN2	1 to 2 4 to 5	MIN-6MP-DP1	MIN-6FP-DP1

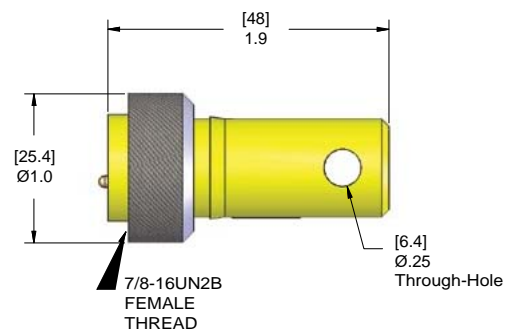
For stainless steel locking ring, add a "-SS" suffix. (e.g. MIN-3FP-DP1 becomes MIN-3FP-DP1-SS)

Alternate wiring is available, please consult the factory.

Terminating plugs are available in DeviceNet and Foundation Fieldbus, please see the DeviceNet (**Page K-8**) and Foundation Fieldbus (**Page M-8**) sections.

Specifications:

- Body: Oil Resistant Yellow PVC
- Contacts: Copper Alloy with Gold Plating
- Coupling Nut: Nickel Plated Brass
- Jumpers: 18 AWG
- Temperature: -40°C to +105°C (-40°F to +221°F)





7/8" MIN Series Size I Accessories

MIN Series Size I Accessories



Closure Caps & Plugs | Adapter Coupling | IP67 Rating

A

MIN Series Size I Cordsets

Metal/Plastic Closure Caps				
Closure Style	Part Number	Material	Threads	Mounting Hole Size
	MIN-CAP	Nickel Plated Brass	Female	0.13"
	MIN-CAP-CBLY	Nickel Plated Brass	Female	1.3" (For Use on Cables)
	MIN-CAP-PASW	Polyamide NBR with Tether***	Female	0.76"
Metal Closure Plugs				
	MIN-PLUG	Nickel Plated Brass	Male	0.13"
	MIN-PLUG-CBLY	Nickel Plated Brass	Male	1.3" (For Use on Cables)
	MIN-PLUG-NC	Clear Anodized Aluminum	Male	N/A

NBR tether and stainless steel lanyard are available for all MIN-CAP and MIN-PLUG. Please consult the factory for part number and availability.

***Tether mounts under receptacles with 1/2" NPT, M20 or M25 mounting threads and also serves as a gasket.

Adapter Coupling	Part Number	Material	Threads
	MIN-XMP-AD	Nickel Plated Brass	Male
	MIN-XMP-AD-SS	Stainless Steel	



7/8" MIN Series Size I Accessories

2, 3 & 4 Conductor MIN Series Size I Accessory Cables



100' Cables | Raw Cable Spools

# of Conductors	Color Code	Wire AWG	Voltage Rating	Features	Jacket Color	Part Number	
						100' Cable	Spool
2	North American White Black	16 AWG	600V	PVC STOOW 9.4mm OD (0.37" OD)	Yellow	MIN-2CBL-C	10A0001-*
					Black	MIN-2CBL-C-B	10A0001-*
3	North American Green/Yellow Black White	16 AWG	600V	PVC STOOW 10mm OD (0.39" OD)	Yellow	MIN-3CBL-C	10B0001-*
					Black	MIN-3CBL-C-B	10BB001-*
				PUR AWM 10mm OD (0.39" OD)	Yellow	MINP-3CBL-C	10BP001-*
					Black	MINP-3CBL-C-B	10BB001-*
		TPE SEOOW 10mm OD (0.39" OD)	Yellow	MINW-3CBL-C	10BW001-*		
			Black	MINW-3CBL-C-B	10BWB01-*		
	18 AWG	300V	PVC SJTOOW 8.5mm OD (0.33" OD)	Yellow	MIN-3CBLX-C	10BX001-*	
				Black	MIN-3CBLX-C-B	10BXB01-*	
	North American Auto Color Code Green/Yellow Red/Black Red/White	16 AWG	600V	PVC STOOW 10mm OD (0.39" OD)	Yellow	MIN-3ACBL-C	10L0001-*
		18 AWG	300V	PVC SJTOOW 8.5mm OD (0.33" OD)	Yellow	MIN-3ACBLX-C	10LX001-*
	European Green/Yellow Brown Blue	18 AWG	300V	PVC AWM 7.4mm OD (0.29" OD)	Yellow	MINE-3CBLX-C	10BXE01-*
					Black	MINE-3CBLX-C-B	10BXE01-*
European Cenelec Black Brown Blue	18 AWG	600V	PVC AWM 7.4mm OD (0.29" OD)	Yellow	MINC-3CBLX-C	30BX001-*	
4	North American Black White Red Green/Yellow	16 AWG	600V	PVC STOOW 10.8mm OD (0.42" OD)	Yellow	MIN-4CBL-C	10C0001-*
					Black	MIN-4CBL-C-B	10CB001-*
		18 AWG	300V	PVC AWM 7.4mm OD (0.29" OD)	Yellow	MIN-4CBLX-C	10CX001-*
					Black	MIN-4CBLX-C-B	10CB001-*
	European Cenelec Brown White Blue Black	18 AWG	600V	PVC AWM 7.4mm OD (0.29" OD)	Yellow	MINC-4CBLX-C	30CX001-*
			300V	PUR AWM 7.4mm OD (0.29" OD)	Yellow	MINCP-4CBLX-C	30CXP01-*
		18 AWG	300V	TPE AWM 7.4mm OD (0.29" OD)	Yellow	MINCW-4CBLX-C	30CW001-*
					Black	MINCW-4CBLX-C-B	30CWX01-*

A

MIN Series Size I Cordsets

* Standard raw spool lengths are 0250, 0500, 0750 & 1000 feet. Consult factory for other lengths.

Cable Construction subject to change without notice.

Lengths in feet. Standard cable length is 100 feet. Consult factory for other lengths.



7/8" MIN Series Size I Accessories

5, 6 & 14 Conductor MIN Series Size I Accessory Cables



100' Cables | Raw Cable Spools

A

MIN Series Size I Cordsets

# of Conductors	Color Code	Wire AWG	Voltage Rating	Features	Jacket Color	Part Number	
						100' Cable	Spool
5	North American White Red Green/Yellow Orange Black	16 AWG	600V	PVC STOOW 12.9 OD (0.51" OD)	Yellow	MIN-5CBL-C	10D0001-*
					Black	MIN-5CBL-C-B	10DB001-*
		18 AWG	300V	TPE SEOOW 12.9 OD (0.51" OD)	Yellow	MINW-5CBL-C	10DW001-*
					Yellow	MIN-5CBLX-C	10DX001-*
					Black	MIN-5CBLX-C-B	10DXB01-*
					Yellow	MINP-5CBLX-C	10DXP01-*
	16 AWG	600V	PVC STOW 12.9 OD (0.51" OD)	Yellow	MIN-5ACBL-C	10M0001-*	
				Yellow	MIN-5ACBLX-C	10MX001-*	
	18 AWG	300V	PVC AWM 7.4mm OD (0.29" OD)	Black	MIN-5ACBLX-C-B	10MXB01-*	
				Yellow	MINE-5CBLX-C	10DXE01-*	
6	North American White Red Green/Yellow Orange Black Blue	16 AWG	600V	PVC STOOW 13.3mm OD (0.52" OD)	Yellow	MIN-6CBL-C	10E0003-*
		18 AWG	300V	PVC SJTOOW 10.1mm OD (0.39" OD)	Yellow	MIN-6CBLX-C	10EX001-*
				PUR AWM 8.5mm OD (0.33" OD)	Yellow	MINP-6CBLX-C	10EXP01-*
	18 AWG	300V	PVC SJTOOW 10.1mm OD (0.40" OD)	Yellow	MINE-6CBLX-C	10EXE01-*	
14	North American Grey/Pink White/Green White/Yellow Brown*** Brown/Yellow Blue*** Yellow Green Pink White Red/Blue Brown/Green Gray Red	2 x 18 AWG 14 x 22 AWG	300V	Black PUR AWM 8.1mm OD (0.32" OD)	Black	MINP-14CBL-C	10MPB02-*

* Standard raw spool lengths are 0250, 0500, 0750 & 1000 feet. Consult factory for other lengths.

*** Brown and Blue wires are 18AWG.

Cable Construction subject to change without notice.

Lengths in feet. Standard cable length is 100 feet. Consult factory for other lengths.



7/8" MIN Series Size I Receptacles

MIN Series Size I Receptacle Part Number Matrix



Not all options available with all receptacles, please consult factory.

MIN - - - - - - - -

Wire Type

- Blank = PVC
- C = PVC / Euro ColorCode, No Green/Yellow
- E = Euro Color Code
- H = 14 AWG (3 & 4 wire only)

Number of Conductors

- 2
- 3
- 4
- 5
- 6
- 14

Connector Configuration

- MR = Male Receptacle
- FR = Female Receptacle
- FRF = Female Receptacle w/ Female Thread
- MFRF = Male - Female Receptacle w/ Female Thread

Lengths in Feet

Blank = No Wire

Any length followed by an "A" is of Automotive Color Code.

Wire AWG

- Blank = 16 AWG
- 18 = 18 AWG
- 22 = 22 AWG

Shell Material

- Blank = Aluminum or Nickel plated brass
- SS = Stainless Steel
- B = Anodized Black Aluminum
- N = Nylon

R/A or Straight

- Blank = No Right Angle
- R = Right Angle

Termination Type

- Blank = Pre-Wired
- SC = Solder Cup
- PCB = PCB Mount

Mounting Style

- Blank = Front Mount 1/2"-14 NPT
- PG11 = Front Mount PG 11 Threads
- PG13.5 = Front Mount PG 13.5 Threads
- M16 = Front Mount Metric 16 Threads
- M20 = Front Mount Metric 20 Threads
- NPT34 = Front Mount 3/4"-14 NPT Threads
- BM = Back Mount
- BM-PCB = PCB Back Mount
- PM = Panel Mount
- TM = Through Panel Mount

A

MIN Series Size I Receptacles



7/8" MIN Series Size I Receptacles

MIN Series Size I Receptacle Index



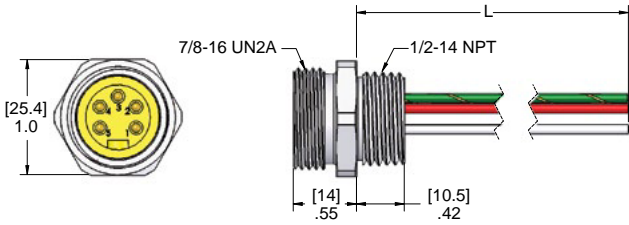
Front Mount

A

MIN Series Size I Receptacles

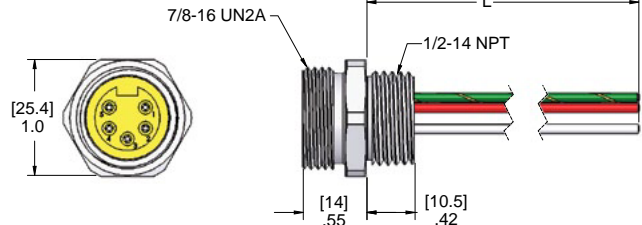
Front Mount, Male, 1/2"-14NPT

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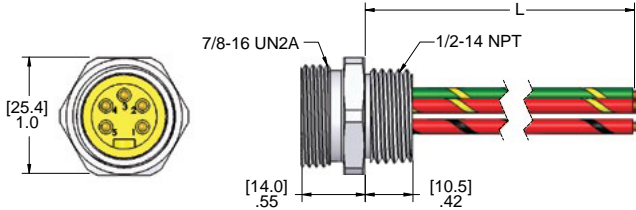
Front Mount, Female, 1/2"-14NPT

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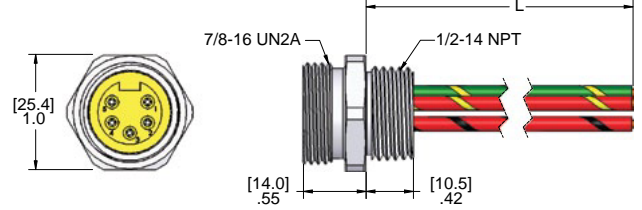
Front Mount, Male, 1/2"-14NPT, Auto Color Code

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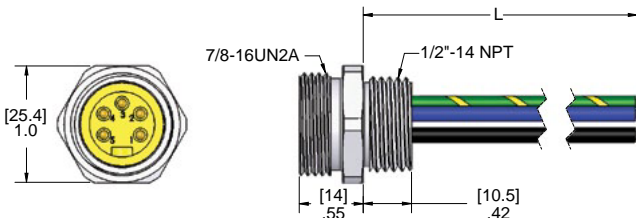
Front Mount, Female, 1/2"-14NPT, Auto Color Code

Page A-47



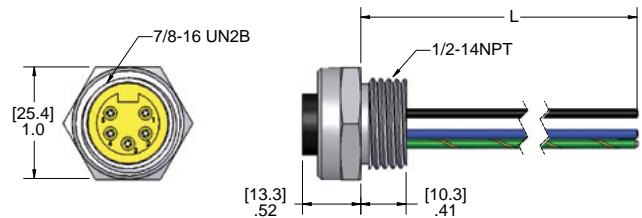
Front Mount, Male, 1/2"-14NPT, Euro Color Code

Page A-48



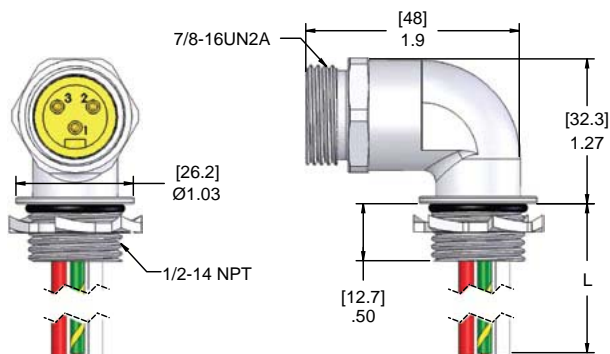
Front Mount, Female, 1/2"-14NPT, Euro Color Code

Page A-48



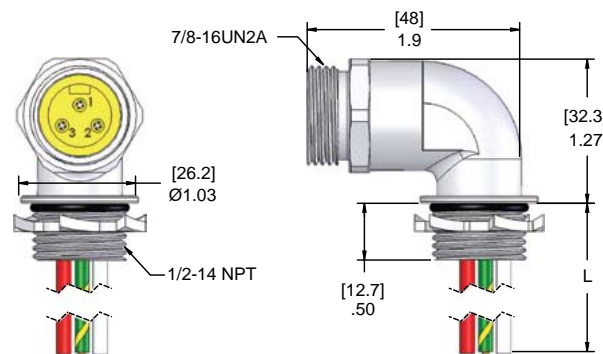
Front Mount, Male, 1/2"-14NPT, Right Angle

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Front Mount, Female, 1/2"-14NPT, Right Angle

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Front Mount, Male, PG11 Threads Page A-50	Front Mount, Female, PG11 Threads Page A-50
Front Mount, Male, PG13.5 Threads Page A-51	Front Mount, Female, PG13.5 Threads Page A-51
Front Mount, Male, M16 Threads Page A-52	Front Mount, Female, M16 Threads Page A-52
	<p>Male threaded shell shown - Female threaded shell also available.</p>
Front Mount, Male, M20 Threads Page A-53	Front Mount, Female, M20 Threads Page A-53



7/8" MIN Series Size I Receptacles

MIN Series Size I Receptacle Index



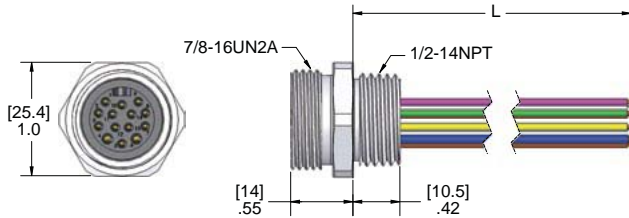
Front Mount | Back Mount | Panel Mount | PCB Mount

A

MIN Series Size I Receptacles

Front Mount, Male, 14 Pole

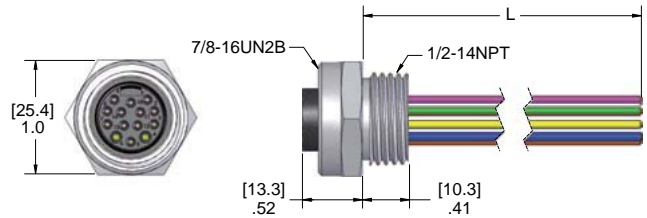
Page A-54



1/2-14 NPT shown - M16 & M20 also available.

Front Mount, Female, 14 Pole

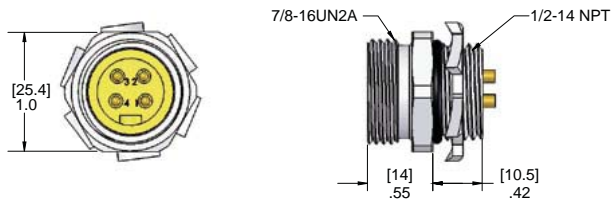
Page A-54



1/2-14 NPT shown - M16 & M20 also available.

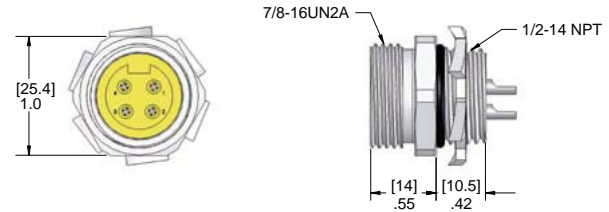
Front Mount, Male, 1/2"-14NPT, Solder Cups

Page A-55



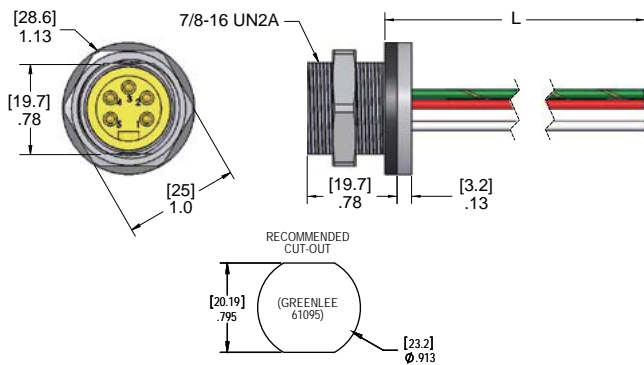
Front Mount, Female, 1/2"-14NPT, Solder Cups

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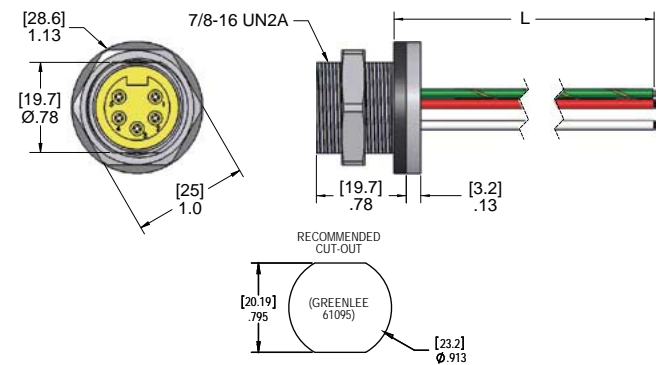
Back Mount, Male

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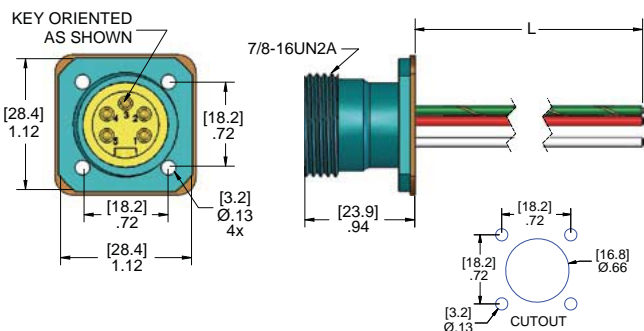
Back Mount, Female

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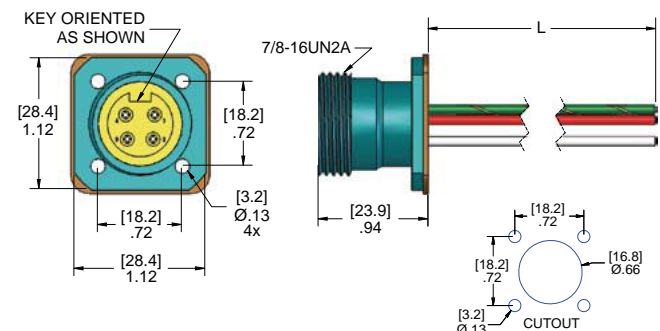
Panel Mount, Male

Page A-57



Panel Mount, Female

Page A-57





<p>PCB Mount, Male, 1/2"-14NPT Page A-58</p>	<p>PCB Mount, Female, 1/2"-14NPT Page A-58</p>
<p>PCB Mount, Female, 1/2"-14NPT, Female Threads Page A-58</p>	<p>Through Panel Mount, Male to Female Page A-59</p>
<p>PCB Back Mount, Male Page A-58</p>	<p>PCB Back Mount, Female Page A-58</p>

7/8" MIN Series Size I Receptacles

2, 3, 4, 5 & 6 Conductor MIN Series Size I Receptacles, 16/18/22AWG

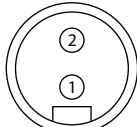
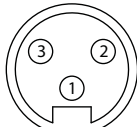
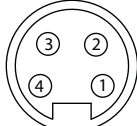
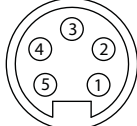
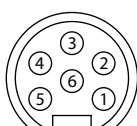


Front Mount Receptacles | 1/2"-14 NPT | IP67 Rating

A

MIN Series Size I Receptacles



# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles	
						Male Threads	Female Threads
2	 7/8"-16UN2	North American 1. White 2. Black	600V 13A	16 AWG	MIN-2MR-1	MIN-2FR-1	MIN-2FRF-1
			300V 10A	18 AWG	MIN-2MR-1-18	MIN-2FR-1-18	MIN-2FRF-1-18
			300V 4A	22 AWG	MIN-2MR-1-22	MIN-2FR-1-22	MIN-2FRF-1-22
3	 7/8"-16UN2	North American 1. Green/Yellow 2. Black 3. White	600V 13A	16 AWG	MIN-3MR-1	MIN-3FR-1	MIN-3FRF-1
			300V 8A	18 AWG	MIN-3MR-1-18	MIN-3FR-1-18	MIN-3FRF-1-18
			300V 4A	22 AWG	MIN-3MR-1-22	MIN-3FR-1-22	MIN-3FRF-1-22
4	 7/8"-16UN2	North American 1. Black 2. White 3. Red 4. Green/Yellow	600V 10A	16 AWG	MIN-4MR-1	MIN-4FR-1	MIN-4FRF-1
			300V 5.5A	18 AWG	MIN-4MR-1-18	MIN-4FR-1-18	MIN-4FRF-1-18
			300V 4A	22 AWG	MIN-4MR-1-22	MIN-4FR-1-22	MIN-4FRF-1-22
5	 7/8"-16UN2	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black	600V 8A	16 AWG	MIN-5MR-1	MIN-5FR-1	MIN-5FRF-1
			300V 5.5A	18 AWG	MIN-5MR-1-18	MIN-5FR-1-18	MIN-5FRF-1-18
			300V 4A	22 AWG	MIN-5MR-1-22	MIN-5FR-1-22	MIN-5FRF-1-22
6	 7/8"-16UN2	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black 6. Blue	600V 8A	16 AWG	MIN-6MR-1	MIN-6FR-1	MIN-6FRF-1
			300V 5.5A	18 AWG	MIN-6MR-1-18	MIN-6FR-1-18	MIN-6FRF-1-18
			300V 4A	22 AWG	MIN-6MR-1-22	MIN-6FR-1-22	MIN-6FRF-1-22

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Standard shell is anodized aluminum. For stainless steel shell add a "SS" suffix. (e.g. MIN-3FR-1 becomes MIN-3FR-1-SS)

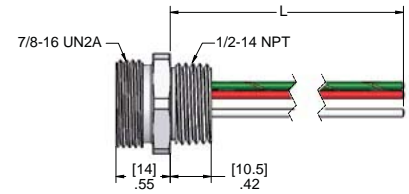
For nylon shell add a "-N" suffix. (e.g. MIN-3FR-1 becomes MIN-3FR-1-N) Plastic only available for male threads.

O-ring and lock nut are included on lead lengths of 15" or longer.

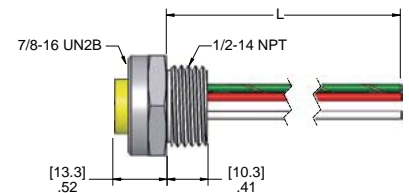
Specifications:

- Shell: Clear Anodized Aluminum
- Insulator: 105°C, Oil Resistant Yellow PVC
- Wire: 16 AWG: UL Style 1015, 600V
18 & 22 AWG: UL Style 1007/1569, 300V
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Lock Nut: Zinc Plated Steel
- Temperature: -40°C to 105°C (-40°F to +221°F)

Male & Female Receptacle (Male Threads)



Female Receptacle (Female Threads)





7/8" MIN Series Size I Receptacles

3 & 5 Conductor MIN Series Size I Receptacles, 16/18/22AWG



Front Mount Receptacles | Automotive Color Code | 1/2"-14 NPT | IP67 Rating

These color codes are available in most shell configurations. Please contact factory for part numbers and availability.



A

MIN Series Size I Receptacles

# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
3		North American Auto Color Code 1. Green/Yellow 2. Red/Black 3. Red/White	600V 13A	16 AWG	MIN-3MR-1A	MIN-3FR-1A
			300V 8A	18 AWG	MIN-3MR-1A-18	MIN-3FR-1A-18
			300V 4A	22 AWG	MIN-3MR-1A-22	MIN-3FR-1A-22
5		North American Auto Color Code 1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black	600V 8A	16 AWG	MIN-5MR-1A	MIN-5FR-1A
			300V 5.5A	18 AWG	MIN-5MR-1A-18	MIN-5FR-1A-18
			300V 4A	22 AWG	MIN-5MR-1A-22	MIN-5FR-1A-22

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

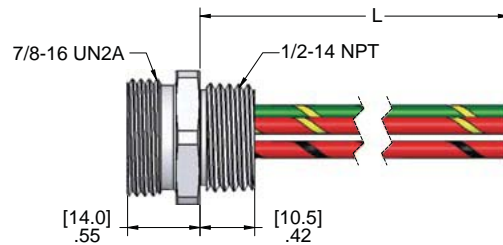
Standard shell is anodized aluminum. For stainless steel shell add a "-SS" suffix. (e.g. MIN-3FR-1A becomes MIN-3FR-1A-SS)

For nylon shell add a "-N" suffix. (e.g. MIN-3FR-1A becomes MIN-3FR-1A-N) Plastic only available for male threads.

O-ring and lock nut are included on lead lengths of 15" or longer.

Specifications:

- Shell: Clear Anodized Aluminum
- Insulator: 105°C, Oil Resistant Yellow PVC
- Wire: 16 AWG: UL Style 1015, 600V
18 & 22 AWG: UL Style 1007/1569, 300V
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Lock Nut: Zinc Plated Steel
- Temperature: -40°C to 105°C (-40°F to +221°F)



7/8" MIN Series Size I Receptacles

3, 4, 5 & 6 Conductor MIN Series Size I Receptacles, 18/22AWG



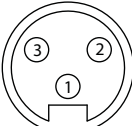
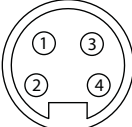
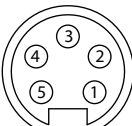
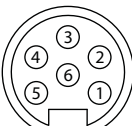
Front Mount Receptacles | IEC Color Code | 1/2"-14 NPT | IP67 Rating

A

MIN Series Size I Receptacles



These color codes are available in most shell configurations. Please contact factory for part numbers and availability.

# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
3	 7/8"-16UN2	European Cenelec 1. Black 2. Brown 3. Blue	300V 8A	18 AWG	MINC-3MR-1-18	MINC-3FR-1-18
			300V 4A	22 AWG	MINC-3MR-1-22	MINC-3FR-1-22
		European 1. Green/Yellow 2. Brown 3. Blue	300V 10A	18 AWG	MINE-3MR-1-18	MINE-3FR-1-18
			300V 4A	22 AWG	MINE-3MR-1-22	MINE-3FR-1-22
4	 7/8"-16UN2	European Cenelec 1. Brown 2. White 3. Blue 4. Black	300V 5.5A	18 AWG	MINC-4MR-1-18	MINC-4FR-1-18
			300V 4A	22 AWG	MINC-4MR-1-22	MINC-4FR-1-22
5	 7/8"-16UN2	European 1. Black 2. Blue 3. Green/Yellow 4. Brown 5. White	300V 5.5A	18 AWG	MINE-5MR-1-18	MINE-5FR-1-18
			300V 4A	22 AWG	MINE-5MR-1-22	MINE-5FR-1-22
6	 7/8"-16UN2	European 1. Green 2. White 3. Blue 4. Gray 5. Yellow 6. Brown	300V 5.5A	18 AWG	MINE-6MR-1-18	MINE-6FR-1-18
			300V 4A	22 AWG	MINE-6MR-1-22	MINE-6FR-1-22

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Standard shell is anodized aluminum. For stainless steel shell add a "SS" suffix. (e.g. MIN-3FR-1-18 becomes MIN-3FR-1-18-SS)

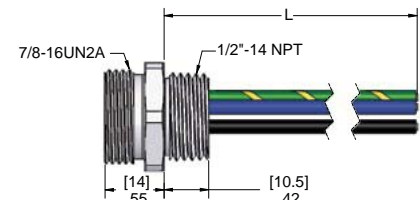
For nylon shell add a "-N" suffix. (e.g. MIN-3FR-1-18 becomes MIN-3FR-1-18-N) Plastic only available for male threads.

O-ring and lock nut are included on lead lengths of 15" or longer.

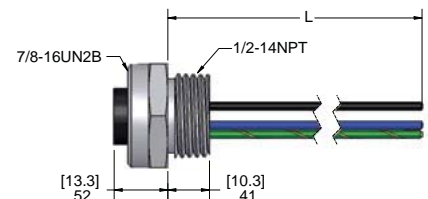
Specifications:

Shell: Clear Anodized Aluminum
 Insulator: 105°C, Oil Resistant Black/Yellow PVC
 Wire: 18 & 22 AWG: UL Style 1007/1569, 300V
 Contacts: Copper Alloy with Gold Plating
 O-Ring: NBR
 Lock Nut: Zinc Plated Steel
 Temperature: -40°C to 105°C (-40°F to +221°F)

Male Receptacle



Female Receptacle





7/8" MIN Series Size I Receptacles

2, 3, 4, 5 & 6 Conductor MIN Series Size I Receptacles, 16/18/22AWG



Right Angle Front Mount Receptacles | 1/2"-14 NPT Threads | IP67 Rating



A

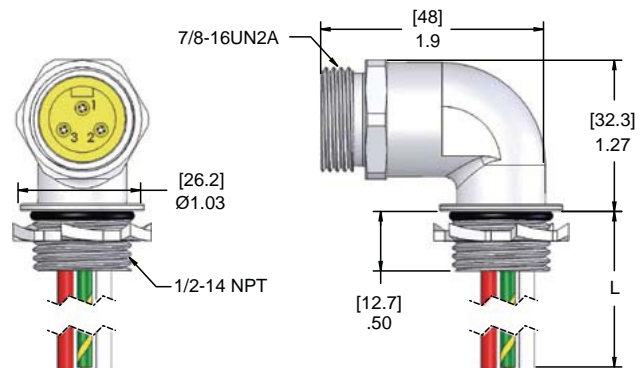
MIN Series Size I Receptacles

# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
2	<p>7/8"-16UN2</p>	North American 1. White 2. Black	600V 13A	16 AWG	MIN-2MR-1-R	MIN-2FR-1-R
			300V 10A	18 AWG	MIN-2MR-1-18-R	MIN-2FR-1-18-R
			300V 4A	22 AWG	MIN-2MR-1-22-R	MIN-2FR-1-22-R
3	<p>7/8"-16UN2</p>	North American 1. Green/Yellow 2. Black 3. White	600V 13A	16 AWG	MIN-3MR-1-R	MIN-3FR-1-R
			300V 10A	18 AWG	MIN-3MR-1-18-R	MIN-3FR-1-18-R
			300V 4A	22 AWG	MIN-3MR-1-22-R	MIN-3FR-1-22-R
4	<p>7/8"-16UN2</p>	North American 1. Black 2. White 3. Red 4. Green/Yellow	600V 10A	16 AWG	MIN-4MR-1-R	MIN-4FR-1-R
			300V 5.5A	18 AWG	MIN-4MR-1-18-R	MIN-4FR-1-18-R
			300V 4A	22 AWG	MIN-4MR-1-22-R	MIN-4FR-1-22-R
5	<p>7/8"-16UN2</p>	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black	600V 8A	16 AWG	MIN-5MR-1-R	MIN-5FR-1-R
			300V 5.5A	18 AWG	MIN-5MR-1-18-R	MIN-5FR-1-18-R
			300V 4A	22 AWG	MIN-5MR-1-22-R	MIN-5FR-1-22-R
6	<p>7/8"-16UN2</p>	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black 6. Blue	300V 8A	16 AWG	MIN-6MR-1-R	MIN-6FR-1-R
			300V 5.5A	18 AWG	MIN-6MR-1-18-R	MIN-6FR-1-18-R
			300V 4A	22 AWG	MIN-6MR-1-22-R	MIN-6FR-1-22-R

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Specifications:

Shell: Hex: Clear Anodized Aluminum
 Elbow: Zinc Die Cast
 Insulator: 105°C, Oil Resistant Yellow PVC
 Wire: 16 AWG: UL Style 1015, 600V
 18 & 22 AWG: UL Style 1007/1569, 300V
 Contacts: Copper Alloy with Gold Plating
 O-Ring: NBR
 Lock Nut: Zinc Plated Steel
 Temperature: -40°C to 105°C (-40°F to +221°F)





7/8" MIN Series Size I Receptacles

2, 3, 4, 5 & 6 Conductor MIN Series Size I Receptacles, 16/18/22AWG



Front Mount Receptacles | European PG 11 Threads | IP67 Rating

A

MIN Series Size I Receptacles



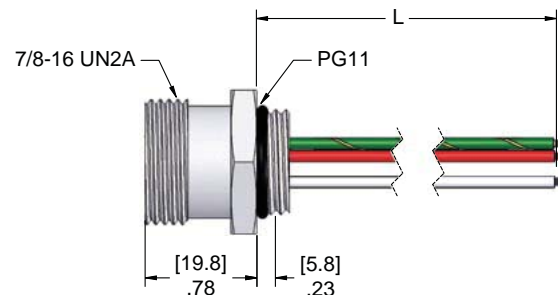
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
2	<p>7/8"-16UN2</p>	North American 1. White 2. Black	600V 13A	16 AWG	MIN-2MR-1-PG11	MIN-2FR-1-PG11
			300V 10A	18 AWG	MIN-2MR-1-18-PG11	MIN-2FR-1-18-PG11
			300V 4A	22 AWG	MIN-2MR-1-22-PG11	MIN-2FR-1-22-PG11
3	<p>7/8"-16UN2</p>	North American 1. Green/Yellow 2. Black 3. White	600V 13A	16 AWG	MIN-3MR-1-PG11	MIN-3FR-1-PG11
			300V 10A	18 AWG	MIN-3MR-1-18-PG11	MIN-3FR-1-18-PG11
			300V 4A	22 AWG	MIN-3MR-1-22-PG11	MIN-3FR-1-22-PG11
4	<p>7/8"-16UN2</p>	North American 1. Black 2. White 3. Red 4. Green/Yellow	600V 10A	16 AWG	MIN-4MR-1-PG11	MIN-4FR-1-PG11
			300V 5.5A	18 AWG	MIN-4MR-1-18-PG11	MIN-4FR-1-18-PG11
			300V 4A	22 AWG	MIN-4MR-1-22-PG11	MIN-4FR-1-22-PG11
5	<p>7/8"-16UN2</p>	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black	600V 8A	16 AWG	MIN-5MR-1-PG11	MIN-5FR-1-PG11
			300V 5.5A	18 AWG	MIN-5MR-1-18-PG11	MIN-5FR-1-18-PG11
			300V 4A	22 AWG	MIN-5MR-1-22-PG11	MIN-5FR-1-22-PG11
6	<p>7/8"-16UN2</p>	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black 6. Blue	600V 8A	16 AWG	MIN-6MR-1-PG11	MIN-6FR-1-PG11
			300V 5.5A	18 AWG	MIN-6MR-1-18-PG11	MIN-6FR-1-18-PG11
			300V 4A	22 AWG	MIN-6MR-1-22-PG11	MIN-6FR-1-22-PG11

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Standard shell is anodized aluminum. For stainless steel shell add a "-SS" suffix. (e.g. MIN-3FR-1-18-PG11 becomes MIN-3FR-1-18-PG11-SS)

Specifications:

- Shell: Clear Anodized Aluminum
- Insulator: 105°C, Oil Resistant Yellow PVC
- Wire: 16 AWG: UL Style 1015, 600V
18 & 22 AWG: UL Style 1007/1569, 300V
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Jam Nut: Nickel Plated Brass
- Temperature: -40°C to 105°C (-40°F to +221°F)





7/8" MIN Series Size I Receptacles

2, 3, 4, 5 & 6 Conductor MIN Series Size I Receptacles, 16/18/22AWG



Front Mount Receptacles | European PG 13.5 Threads | IP67 Rating



A

MIN Series Size I Receptacles

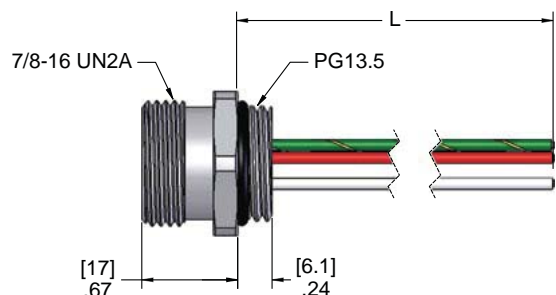
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
2	<p>7/8"-16UN2</p>	North American 1. White 2. Black	600V 13A	16 AWG	MIN-2MR-1-PG13.5	MIN-2FR-1-PG13.5
			300V 10A	18 AWG	MIN-2MR-1-18-PG13.5	MIN-2FR-1-18-PG13.5
			300V 4A	22 AWG	MIN-2MR-1-22-PG13.5	MIN-2FR-1-22-PG13.5
3	<p>7/8"-16UN2</p>	North American 1. Green/Yellow 2. Black 3. White	600V 13A	16 AWG	MIN-3MR-1-PG13.5	MIN-3FR-1-PG13.5
			300V 10A	18 AWG	MIN-3MR-1-18-PG13.5	MIN-3FR-1-18-PG13.5
			300V 4A	22 AWG	MIN-3MR-1-22-PG13.5	MIN-3FR-1-22-PG13.5
4	<p>7/8"-16UN2</p>	North American 1. Black 2. White 3. Red 4. Green/Yellow	600V 10A	16 AWG	MIN-4MR-1-PG13.5	MIN-4FR-1-PG13.5
			300V 5.5A	18 AWG	MIN-4MR-1-18-PG13.5	MIN-4FR-1-18-PG13.5
			300V 4A	22 AWG	MIN-4MR-1-22-PG13.5	MIN-4FR-1-22-PG13.5
5	<p>7/8"-16UN2</p>	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black	600V 8A	16 AWG	MIN-5MR-1-PG13.5	MIN-5FR-1-PG13.5
			300V 5.5A	18 AWG	MIN-5MR-1-18-PG13.5	MIN-5FR-1-18-PG13.5
			300V 4A	22 AWG	MIN-5MR-1-22-PG13.5	MIN-5FR-1-22-PG13.5
6	<p>7/8"-16UN2</p>	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black 6. Blue	600V 8A	16 AWG	MIN-6MR-1-PG13.5	MIN-6FR-1-PG13.5
			300V 5.5A	18 AWG	MIN-6MR-1-18-PG13.5	MIN-6FR-1-18-PG13.5
			300V 4A	22 AWG	MIN-6MR-1-22-PG13.5	MIN-6FR-1-22-PG13.5

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Standard shell is anodized aluminum. For stainless steel shell add a "-SS" suffix. (e.g. MIN-3FR-1-18-PG13.5 becomes MIN-3FR-1-18-PG13.5-SS)

Specifications:

- Shell: Clear Anodized Aluminum
- Insulator: 105°C, Oil Resistant Yellow PVC
- Wire: 16 AWG: UL Style 1015, 600V
18 & 22 AWG: UL Style 1007/1569, 300V
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Jam Nut: Nickel Plated Brass
- Temperature: -40°C to 105°C (-40°F to +221°F)





7/8" MIN Series Size I Receptacles

2, 3, 4, 5 & 6 Conductor MIN Series Size I Receptacles, 16/18/22AWG

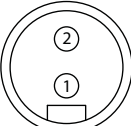
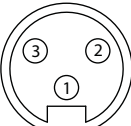
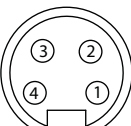
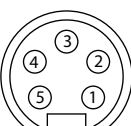
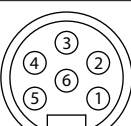


Front Mount Receptacles | M16 x 1.5 Threads | IP67 Rating

A

MIN Series Size I Receptacles



# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles	
						Male Threads	Female Threads
2	 7/8"-16UN2	North American 1. White 2. Black	300V 10A	18 AWG	MIN-2MR-1-18-M16	MIN-2FR-1-18-M16	MIN-2FRF-1-18-M16
			300V 4A	22 AWG	MIN-2MR-1-22-M16	MIN-2FR-1-22-M16	MIN-2FRF-1-22-M16
3	 7/8"-16UN2	North American 1. Green/Yellow 2. Black 3. White	300V 10A	18 AWG	MIN-3MR-1-18-M16	MIN-3FR-1-18-M16	MIN-3FRF-1-18-M16
			300V 4A	22 AWG	MIN-3MR-1-22-M16	MIN-3FR-1-22-M16	MIN-3FRF-1-22-M16
4	 7/8"-16UN2	North American 1. Black 2. White 3. Red 4. Green/Yellow	300V 5.5A	18 AWG	MIN-4MR-1-18-M16	MIN-4FR-1-18-M16	MIN-4FRF-1-18-M16
			300V 4A	22 AWG	MIN-4MR-1-22-M16	MIN-4FR-1-22-M16	MIN-4FRF-1-22-M16
5	 7/8"-16UN2	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black	300V 5.5A	18 AWG	MIN-5MR-1-18-M16	MIN-5FR-1-18-M16	MIN-5FRF-1-18-M16
			300V 4A	22 AWG	MIN-5MR-1-22-M16	MIN-5FR-1-22-M16	MIN-5FRF-1-22-M16
6	 7/8"-16UN2	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black 6. Blue	300V 5.5A	18 AWG	MIN-6MR-1-18-M16	MIN-6FR-1-18-M16	MIN-6FRF-1-18-M16
			300V 4A	22 AWG	MIN-6MR-1-22-M16	MIN-6FR-1-22-M16	MIN-6FRF-1-22-M16

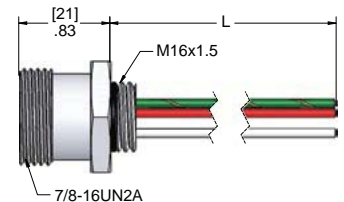
12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Standard shell is anodized aluminum, for stainless steel shell add a "-SS" suffix. (e.g. MIN-3MR-1-18-M16 becomes MIN-3MR-1-18-M16-SS)

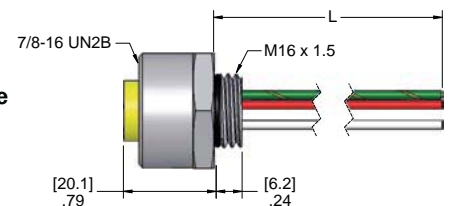
Specifications:

- Shell: Clear Anodized Aluminum
- Insulator: 105°C, Oil Resistant Yellow PVC
- Wire: 18 & 22 AWG: UL Style 1007/1569, 300V
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Jam Nut: Nickel Plated Brass
- Temperature: -40°C to 105°C (-40°F to +221°F)

Male & Female Receptacle (Male Threads)



Female Receptacle (Female Threads)





7/8" MIN Series Size I Receptacles

2, 3, 4, 5 & 6 Conductor MIN Series Size I Receptacles, 18/22AWG



Front Mount Receptacles | M20 x 1.5 Threads | IP67 Rating



A

MIN Series Size I Receptacles

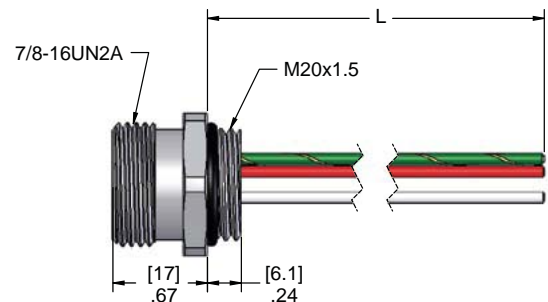
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
2	 7/8"-16UN2	North American 1. White 2. Black	300V 10A	18 AWG	MIN-2MR-1-18-M20	MIN-2FR-1-18-M20
			300V 4A	22 AWG	MIN-2MR-1-22-M20	MIN-2FR-1-22-M20
3	 7/8"-16UN2	North American 1. Green/Yellow 2. Black 3. White	300V 10A	18 AWG	MIN-3MR-1-18-M20	MIN-3FR-1-18-M20
			300V 4A	22 AWG	MIN-3MR-1-22-M20	MIN-3FR-1-22-M20
4	 7/8"-16UN2	North American 1. Black 2. White 3. Red 4. Green/Yellow	300V 5.5A	18 AWG	MIN-4MR-1-18-M20	MIN-4FR-1-18-M20
			300V 4A	22 AWG	MIN-4MR-1-22-M20	MIN-4FR-1-22-M20
5	 7/8"-16UN2	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black	300V 5.5A	18 AWG	MIN-5MR-1-18-M20	MIN-5FR-1-18-M20
			300V 4A	22 AWG	MIN-5MR-1-22-M20	MIN-5FR-1-22-M20
6	 7/8"-16UN2	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black 6. Blue	300V 5.5A	18 AWG	MIN-6MR-1-18-M20	MIN-6FR-1-18-M20
			300V 4A	22 AWG	MIN-6MR-1-22-M20	MIN-6FR-1-22-M20

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Standard shell is anodized aluminum, for stainless steel shell add a "SS" suffix. (e.g. MIN-3MR-1-18-M20 becomes MIN-3MR-1-18-M20-SS)

Specifications:

- Shell: Clear Anodized Aluminum
- Insulator: 105°C, Oil Resistant Yellow PVC
- Wire: 18 & 22 AWG: UL Style 1007/1569, 300V
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Jam Nut: Nickel Plated Brass
- Temperature: -40°C to 105°C (-40°F to +221°F)





7/8" MIN Series Size I Receptacles

14 Conductor MIN Series Size I Receptacles, 18/22AWG



Front Mount Receptacles | 1/2"-14 NPT Threads | Metric Threads | IP67 Rating

A

MIN Series Size I Receptacles



# of Poles	Male Faceview	Color Code	Wire AWG Rating	Mounting Threads	Male Receptacles	Female Receptacles
14	<p>7/8"-16UN2</p>	North American 1. Gray/Pink 2. White/Green 3. White/Yellow 4. Brown*** 5. Brown/Yellow 6. Blue*** 7. Yellow 8. Green 9. Pink 10. White 11. Red/Blue 12. Brown/Green 13. Gray 14. Red	2 x 18 AWG 300V 6A 12 x 22 AWG 300V 1A	1/2" NPT	MIN-14MR-1	MIN-14FR-1
				M16 x 1.5	MIN-14MR-1-M16	MIN-14FR-1-M16
				M20 x 1.5	MIN-14MR-1-M20	N/A

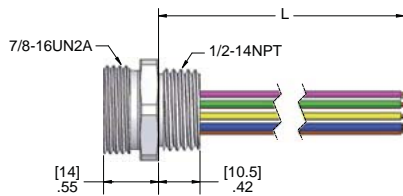
***Note : Pins 4 and 6 have 18AWG wires. Other lengths are available, please consult the factory.

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Standard shell is anodized aluminum, for stainless steel shell add a "-SS" suffix. (e.g. MIN-14MR-1-M16 becomes MIN-14MR-1-M16-SS)

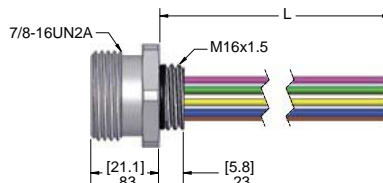
For 1/2" receptacles with lengths of 15" or longer O-ring and lock nut are included.

1/2"-14 NPT Threads



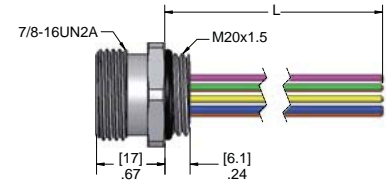
Male Receptacle

M16 Threads

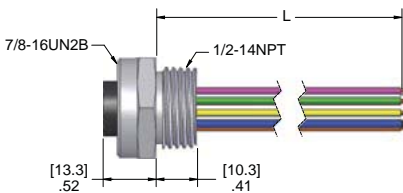


Male Receptacle

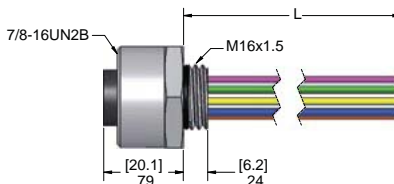
M20 Threads



Male Receptacle



Female Receptacle



Female Receptacle

Specifications:

Shell:	Clear Anodized Aluminum	Seal:	NBR
Insert:	Black Polyamide	O-Ring:	Metric Receptacles Only: NBR
Wire:	18 & 22 AWG	Lock Nut:	Zinc Plated Brass
	UL Style 1007/1569, 300V	Jam Nut:	Nickel Plated Brass
Contacts:	Copper Alloy with Gold Plating	Temperature:	-40°C to 80°C (-40°F to +176°F)



7/8" MIN Series Size I Receptacles

2, 3, 4, 5 & 6 Conductor MIN Series Size I Receptacles, 16AWG



Front Mount Receptacles | Solder Cup | 1/2"-14 NPT | IP67 Rating

Metric or PG threads are available, please consult the factory for part numbers.



A

MIN Series Size I Receptacles

# of Poles	Male Faceview	Rating	Wire AWG	Male Receptacles	Female Receptacles
2	 7/8"-16UN2	600V 13A MAX	16 AWG MAX	MIN-2MR-SC	MIN-2FR-SC
3	 7/8"-16UN2	600V 13A MAX	16 AWG MAX	MIN-3MR-SC	MIN-3FR-SC
4	 7/8"-16UN2	600V 10A MAX	16 AWG MAX	MIN-4MR-SC	MIN-4FR-SC
5	 7/8"-16UN2	600V 8A MAX	16 AWG MAX	MIN-5MR-SC	MIN-5FR-SC
6	 7/8"-16UN2	600V 8A MAX	16 AWG MAX	MIN-6MR-SC	MIN-6FR-SC

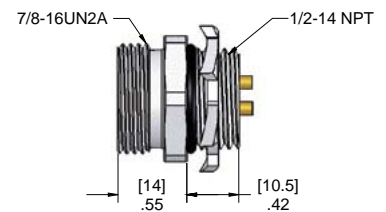
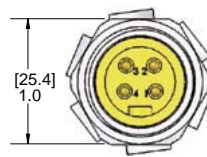
Voltage and amperage ratings are wire dependent and are based on 600V 16AWG wire.

Wires with lower voltage ratings and smaller conductors will lower these ratings.

Standard shell is anodized aluminum, for stainless steel shell add a "-SS" suffix. (e.g. MIN-4MR-SC becomes MIN-4MR-SC-SS)

Specifications:

- Shell: Clear Anodized Aluminum
- Insulator: 105°C, Oil Resistant Yellow PVC
- Contacts: Copper Alloy with Gold Plating
- O-Ring: BUNA-A
- Lock Nut: Zinc Plated Steel
- Temperature: -40°C to 105°C (-40°F to +221°F)





7/8" MIN Series Size I Receptacles

2, 3, 4, 5 & 6 Conductor MIN Series Size I Receptacles, 16/18/22AWG

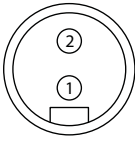
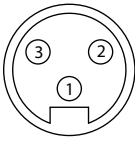
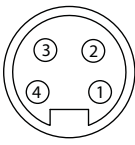
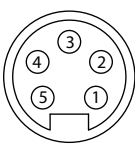
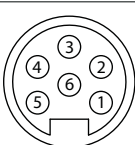


Back Mount Receptacles | IP67 Rating

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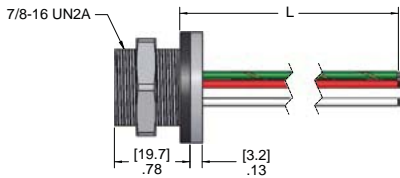
MIN Series Size I Receptacles



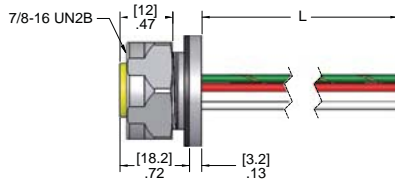
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles	
						Male Threads	Female Threads
2	 7/8"-16UN2	North American 1. White 2. Black	600V 13A	16 AWG	MIN-2MR-1-BM	MIN-2FR-1-BM	MIN-2FRF-1-BM
			300V 10A	18 AWG	MIN-2MR-1-18-BM	MIN-2FR-1-18-BM	MIN-2FRF-1-18-BM
			300V 4A	22 AWG	MIN-2MR-.5-22-BM	MIN-2FR-1-22-BM	MIN-2FRF-1-22-BM
3	 7/8"-16UN2	North American 1. Green/Yellow 2. Black 3. White	600V 13A	16 AWG	MIN-3MR-1-BM	MIN-3FR-1-BM	MIN-3FRF-1-BM
			300V 10A	18 AWG	MIN-3MR-1-18-BM	MIN-3FR-1-18-BM	MIN-3FRF-1-18-BM
			300V 4A	22 AWG	MIN-3MR-.5-22-BM	MIN-3FR-1-22-BM	MIN-3FRF-1-22-BM
4	 7/8"-16UN2	North American 1. Black 2. White 3. Red 4. Green/Yellow	600V 10A	16 AWG	MIN-4MR-1-BM	MIN-4FR-1-BM	MIN-4FRF-1-BM
			300V 5.5A	18 AWG	MIN-4MR-1-18-BM	MIN-4FR-1-18-BM	MIN-4FRF-1-18-BM
			300V 4A	22 AWG	MIN-4MR-.5-22-BM	MIN-4FR-1-22-BM	MIN-4FRF-1-22-BM
5	 7/8"-16UN2	North American 1. Red/White 2. Red 3. Green/Yellow 4. Orange 5. Black	600V 8A	16 AWG	MIN-5MR-1-BM	MIN-5FR-1-BM	MIN-5FRF-1-BM
			300V 5.5A	18 AWG	MIN-5MR-1-18-BM	MIN-5FR-1-18-BM	MIN-5FRF-1-18-BM
			300V 4A	22 AWG	MIN-5MR-.5-22-BM	MIN-5FR-1-22-BM	MIN-5FRF-1-22-BM
6	 7/8"-16UN2	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black 6. Blue	300V 8A	16 AWG	MIN-6MR-1-BM	MIN-6FR-1-BM	MIN-6FRF-1-BM
			300V 5.5A	18 AWG	MIN-6MR-1-18-BM	MIN-6FR-1-18-BM	MIN-6FRF-1-18-BM
			300V 4A	22 AWG	MIN-6MR-.5-22-BM	MIN-6FR-1-22-BM	MIN-6FRF-1-22-BM

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

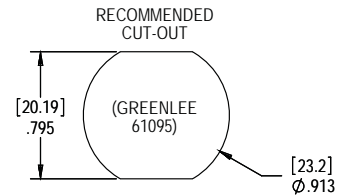
Standard shell is nickel plated brass, for stainless steel shell add a "SS" suffix. (e.g. MIN-3FR-1-18-BM becomes MIN-3FR-1-18-BM-SS)



**Male & Female Receptacle
(Male Threads)**



**Female Receptacle
(Female Threads)**



Specifications:

Shell:	Nickel Plated Brass	Contacts:	Copper Alloy with Gold Plating
Insulator:	105°C, Oil Resistant Yellow PVC	Jam Nut:	Nickel Plated Brass
Wire:	16 AWG; UL Style 1015, 600 V	Gasket:	NBR
	18 & 22 AWG: UL Style 1007/1569, 300V	Temperature:	-40°C to 105°C (-40°F to +221°F)



7/8" MIN Series Size I Receptacles

2, 3, 4, 5 & 6 Conductor MIN Series Size I Receptacles, 16/18/22AWG



Panel Mount Receptacles | IP67 Rating



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MIN Series Size I Receptacles

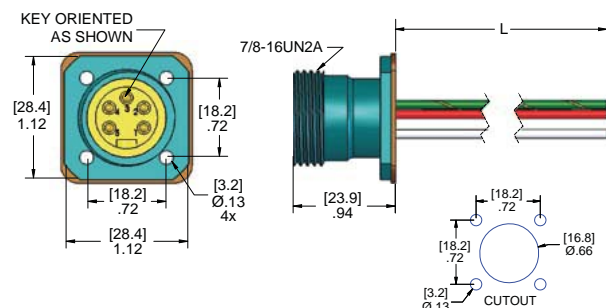
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
2	<p>7/8"-16UN2</p>	North American 1. White 2. Black	600V 13A	16 AWG	MIN-2MR-1-PM	MIN-2FR-1-PM
			300V 10A	18 AWG	MIN-2MR-1-18-PM	MIN-2FR-1-18-PM
			300V 4A	22 AWG	MIN-2MR-5-22-PM	MIN-2FR-1-22-PM
3	<p>7/8"-16UN2</p>	North American 1. Green/Yellow 2. Black 3. White	600V 13A	16 AWG	MIN-3MR-1-PM	MIN-3FR-1-PM
			300V 10A	18 AWG	MIN-3MR-1-18-PM	MIN-3FR-1-18-PM
			300V 4A	22 AWG	MIN-3MR-5-22-PM	MIN-3FR-1-22-PM
4	<p>7/8"-16UN2</p>	North American 1. Black 2. White 3. Red 4. Green/Yellow	600V 10A	16 AWG	MIN-4MR-1-PM	MIN-4FR-1-PM
			300V 5.5A	18 AWG	MIN-4MR-1-18-PM	MIN-4FR-1-18-PM
			300V 4A	22 AWG	MIN-4MR-5-22-PM	MIN-4FR-1-22-PM
5	<p>7/8"-16UN2</p>	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black	600V 8A	16 AWG	MIN-5MR-1-PM	MIN-5FR-1-PM
			300V 5.5A	18 AWG	MIN-5MR-1-18-PM	MIN-5FR-1-18-PM
			300V 4A	22 AWG	MIN-5MR-5-22-PM	MIN-5FR-1-22-PM
6	<p>7/8"-16UN2</p>	North American 1. White 2. Red 3. Green/Yellow 4. Orange 5. Black 6. Blue	300V 8A	16 AWG	MIN-6MR-1-PM	MIN-6FR-1-PM
			300V 5.5A	18 AWG	MIN-6MR-1-18-PM	MIN-6FR-1-18-PM
			300V 4A	22 AWG	MIN-6MR-5-22-PM	MIN-6FR-1-22-PM

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Flat gasket is included.

Specifications:

- Shell: Blue Anodized Aluminum
- Insulator: 105°C, Oil Resistant Yellow PVC
- Wire: 16 AWG: UL Style 1015, 600V
18 & 22 AWG: UL Style 1007/1569, 300V
- Contacts: Copper Alloy with Gold Plating
- Gasket: NBR
- Temperature: -40°C to 105°C (-40°F to +221°F)





7/8" MIN Series Size I Receptacles

2, 3, 4, 5 & 6 Conductor MIN Series Size I Receptacles



PCB Front Mount 1/2"-14 NPT Threads | PCB Back Mount | IP67 Rating

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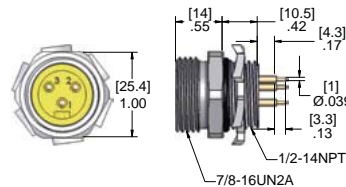
Metric or PG threads may be available, please consult the factory for part numbers.

MIN Series Size I Receptacles

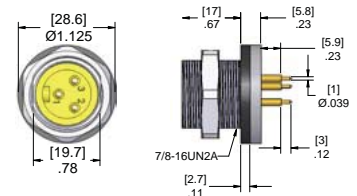
# of Poles	Male Faceview	Rating	Mounting Style	Male Receptacles	Female Receptacles	Pin Out
2	 7/8"-16UN2	600V 13A	PCB Mount	MIN-2MR-PCB	MIN-2FR-PCB	 0.178" 0.062"
			PCB Mount (Female Threads)	N/A	MIN-2FRF-PCB	
			PCB Back Mount	MIN-2MR-BM-PCB	MIN-2FR-BM-PCB	
3	 7/8"-16UN2	600V 13A	PCB Mount	MIN-3MR-PCB	MIN-3FR-PCB	 0.155" 0.089" 0.093"
			PCB Mount (Female Threads)	N/A	MIN-3FRF-PCB	
			PCB Back Mount	MIN-3MR-BM-PCB	MIN-3FR-BM-PCB	
4	 7/8"-16UN2	600V 10A	PCB Mount	MIN-4MR-PCB	MIN-4FR-PCB	 0.110" 0.130" 0.076" 0.123"
			PCB Mount (Female Threads)	N/A	MIN-4FRF-PCB	
			PCB Back Mount	MIN-4MR-BM-PCB	MIN-4FR-BM-PCB	
5	 7/8"-16UN2	600V 8A	PCB Mount	MIN-5MR-PCB	MIN-5FR-PCB	 60° TYP. 0.360" Dia
			PCB Mount (Female Threads)	N/A	MIN-5FRF-PCB	
			PCB Back Mount	MIN-5MR-BM-PCB	MIN-5FR-BM-PCB	
6	 7/8"-16UN2	600V 8A	PCB Mount	MIN-6MR-PCB	MIN-6FR-PCB	 60° TYP. 0.360"
			PCB Mount (Female Threads)	N/A	MIN-6FRF-PCB	
			PCB Back Mount	MIN-6MR-BM-PCB	MIN-6FR-BM-PCB	

Specifications:

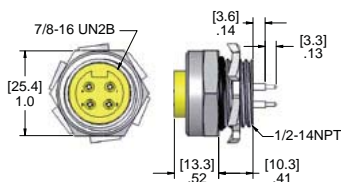
- Shell: Front Mount: Clear Anodized Aluminum
Back Mount: Nickel Plated Brass
- Insulator: 105°C, Oil Resistant Yellow PVC
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Gasket: NBR
- Jam Nut: Nickel Plated Brass
- Lock Nut: Zinc Plated Steel
- Temperature: -40°C to 105°C (-40°F to +221°F)



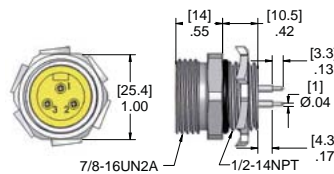
Male Front Mount Receptacle



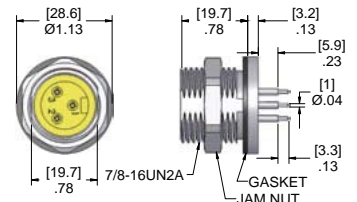
Male Back Mount Receptacle



Female Front Mount Receptacle (Female Threads)



Female Front Mount Receptacle



Female Back Mount Receptacle



7/8" MIN Series Size I Receptacles

2, 3, 4, 5 & 6 Conductor MIN Series Size I Receptacles



Male-Female Through Panel Mount Receptacles | IP67 Rating



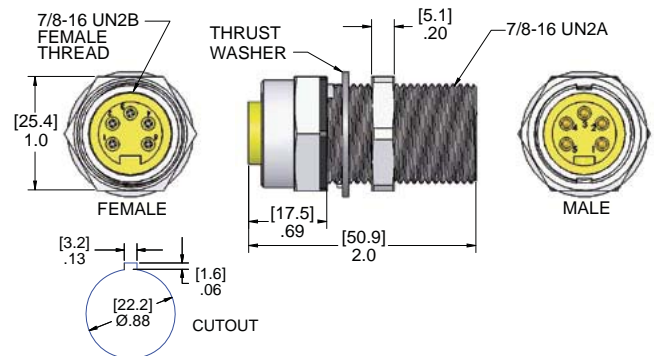
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MIN Series Size I Receptacles

# of Poles	Male Faceview	Rating	Part Number	Wiring	Female Faceview
2	 7/8"-16UN2	600V 13A	MIN-2MFRF-TM	1 to 1 2 to 2	 7/8"-16UN2
3	 7/8"-16UN2	600V 13A	MIN-3MFRF-TM	1 to 1 2 to 2 3 to 3	 7/8"-16UN2
4	 7/8"-16UN2	600V 10A	MIN-4MFRF-TM	1 to 1 2 to 2 3 to 3 4 to 4	 7/8"-16UN2
5	 7/8"-16UN2	600V 8A	MIN-5MFRF-TM	1 to 1 2 to 2 3 to 3 4 to 4 5 to 5	 7/8"-16UN2
6	 7/8"-16UN2	600V 8A	MIN-6MFRF-TM	1 to 1 2 to 2 3 to 3 4 to 4 5 to 5 6 to 6	 7/8"-16UN2

Specifications:

- Shell: Nickel Plated Brass
- Insulator: 105°C, Oil Resistant Yellow PVC
- Contacts: Copper Alloy with Gold Plating
- Jam Nut: Nickel Plated Brass
- Thrust Washer: Zinc Die-Cast
- Sealing Washer: NBR
- Temperature: -40°C to 105°C (-40°F to +221°F)





7/8" MIN Series Size I Accessories

MIN Series Size I Jam Nuts, Lock Nut, Lock & Lockout



NPT, PG, 7/8-16 & Metric Threads Jam & Lock Nuts | MIN Size I Lock & Lockout

A

MIN Series Size I Receptacles

Jam Nuts					
Style	Part #	Thread	A	Thickness	Material
	MIN-78-NUT-H	7/8-16 UN2B	25.4 mm	5.1 mm	Nickel Plated Brass
	211M	PG 11	21 mm	3.0 mm	Nickel Plated Brass
	213M	PG 13.5	21 mm	3.0 mm	Nickel Plated Brass
	2M16M	M16 x 1.5	19 mm	2.8 mm	Nickel Plated Brass
	2M20M	M20 x 1.5	24 mm	3.0 mm	Nickel Plated Brass
Lock Nut					
	212M	1/2" NPT	28.5 mm	3.3 mm	Zinc Plated Steel

MIN Size I Lockout	Part Number	Connection	Material
	MIN-LOCKOUT	7/8" MIN Size I Plug	Polyamide

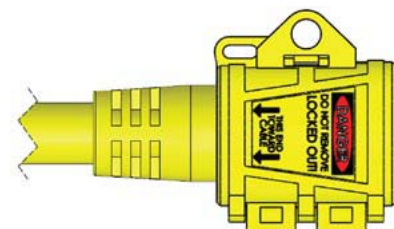
MIN Size I Lock	Part Number	Connection	Material
	MIN-LOCK	7/8" MIN Size I Plug to Receptacle	Polyamide

MIN-LOCK is designed to secure the connection between a straight MIN Size I plug and a mating receptacle.

To open lock, insert small flat blade screwdriver into slot below padlock hole.



MIN Size I Plug to Receptacle Only



MIN Size I Plug Lockout



1" MIN Series Size II Cordsets

MIN Series Size II Cordset Part Number Matrix



Not all options available with all cordsets, please consult factory.

MIN - - - - -

Cable Type

Blank = PVC
P = PUR

Number of Conductors

6
7
8

Connector Configuration

MP = Male Plug, 16 awg
FP = Female Plug, 16 awg
MFP = Male / Female Extension -16 awg
MPX = Male Plug - 18awg
FPX = Female Plug - 18 awg
MFPX = Male / Female Extension - 18awg
MFRPX = Male Straight / Female Right Angle - 18awg
MRFPX = Male Right Angle / Female Straight - 18awg

Length in Feet

3
6
12
20
30
50

Coupling Nut

Blank = Aluminum or
Nickel plated brass
SS = Stainless Steel

Cable Color

Blank = Yellow
B = Black
GY = Gray

R/A or Straight

Blank = Straight *
R = Right Angle **

* Unless the Connector Configuration is MFRP or MRFP
** If single ended cable, right angle connector to flying leads
If double ended cable, right angle on both connectors

B

MIN Series Size II Cordsets



1" MIN Series Size II Cordsets

6, 7 & 8 Conductor MIN Series Size II Cordsets, 16/18AWG



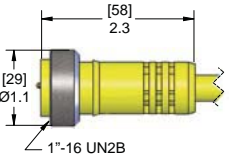
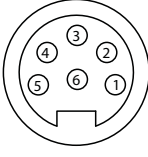
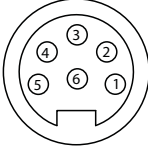
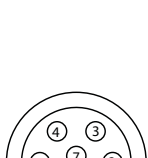
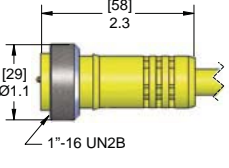
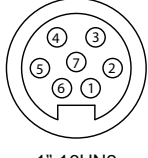
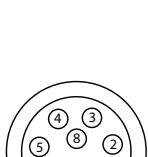
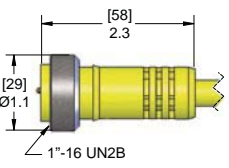
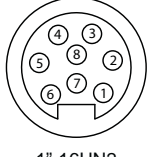

Straight Male Cordsets | 600V, 8A | 300V, 5.5A | 300V, 5A | IP67 Rating



B

MIN Series Size II Cordsets



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-6MP2-*	Yellow PVC STOOW 6 X 16 AWG 600V, 8A -40°C to +105°C 13.2mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. Black 4. White 5. Red 6. Green/Yellow	 1"-16UN2
	MIN-6MPX2-*	Yellow PVC SJTOOW 6 X 18 AWG 300V, 5.5A -40°C to +105°C 10.1mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. Black 4. White 5. Red 6. Green/Yellow	 1"-16UN2
	MINP-6MPX2-*	Yellow PUR AWM 6 X 18 AWG 300V, 5.5A -40°C to +80°C 8.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR	North American 1. Orange 2. Blue 3. Black 4. White 5. Red 6. Green/Yellow	 1"-16UN2
	MIN-7MPX- (Yellow) MIN-7MPX- -B (Black)	PVC AWM 7 X 18 AWG 300V, 5A -40°C to +105°C 8.3mm OD	Industry Standard PVC	North American 1. White/Black 2. Black 3. White 4. Red 5. Orange 6. Blue 7. Green/Yellow	 1"-16UN2
	MINP-7MPX-*	Yellow PUR AWM 7 X 18 AWG 300V, 5A -40°C to +80°C 8.3mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR	North American 1. White/Black 2. Black 3. White 4. Red 5. Orange 6. Blue 7. Green/Yellow	 1"-16UN2
	MIN-8MPX- (Yellow) MIN-8MPX- -B (Black)	PVC AWM 8 X 18 AWG 300V, 5A -40°C to +105°C 9.1mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. White/Black 4. Black 5. White 6. Red 7. Green/Yellow 8. Red/Black	 1"-16UN2
	MINP-8MPX-*	Yellow PUR AWM 8 X 18 AWG 300V, 5A -40°C to +80°C 9.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR	North American 1. Orange 2. Blue 3. White/Black 4. Black 5. White 6. Red 7. Green/Yellow 8. Red/Black	 1"-16UN2

* Length in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

Standard coupling nut is anodized aluminum, for stainless steel coupling nut add a "SS" suffix. (e.g. MIN-6MP2-3 becomes MIN-6MP2-3-SS)

For male threaded coupling replace "MP" with "MPM". (e.g. MIN-6MP2-3 becomes MIN-6MPM2-3)



1" MIN Series Size II Cordsets

6, 7 & 8 Conductor MIN Series Size II Cordsets, 16/18AWG



Straight Female Cordsets | 600V, 8A | 300V, 5.5A | 300V, 5A | IP67 Rating



B

MIN Series Size II Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-6FP2-*	Yellow PVC STOOW 6 X 16 AWG 600V, 8A -40°C to +105°C 13.2mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. Black 4. White 5. Red 6. Green/Yellow	 1"-16UN2
	MIN-6FPX2-*	Yellow PVC SJTOOW 6 X 18 AWG 300V, 5.5A -40°C to +105°C 10.1mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. Black 4. White 5. Red 6. Green/Yellow	 1"-16UN2
	MINP-6FPX2-*	Yellow PUR AWM 6 X 18 AWG 300V, 5.5A -40°C to +80°C 8.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR	North American 1. Orange 2. Blue 3. Black 4. White 5. Red 6. Green/Yellow	 1"-16UN2
	MIN-7FPX- (Yellow) MIN-7FPX- (Black)	PVC AWM 7 X 18 AWG 300V, 5A -40°C to +105°C 8.3mm OD	Industry Standard PVC	North American 1. White/Black 2. Black 3. White 4. Red 5. Orange 6. Blue 7. Green/Yellow	 1"-16UN2
	MINP-7FPX-*	Yellow PUR AWM 7 X 18 AWG 300V, 5A -40°C to +80°C 8.3mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR	North American 1. White/Black 2. Black 3. White 4. Red 5. Orange 6. Blue 7. Green/Yellow	 1"-16UN2
	MIN-8FPX- (Yellow) MIN-8FPX- (Black)	PVC AWM 8 X 18 AWG 300V, 5A -40°C to +105°C 9.1mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. White/Black 4. Black 5. White 6. Red 7. Green/Yellow 8. Red/Black	 1"-16UN2
	MINP-8FPX-*	Yellow PUR AWM 8 X 18 AWG 300V, 5A -40°C to +80°C 9.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR	North American 1. Orange 2. Blue 3. White/Black 4. Black 5. White 6. Red 7. Green/Yellow 8. Red/Black	 1"-16UN2

* Length in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

Standard coupling nut is anodized aluminum, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-6FP2-3 becomes MIN-6FP2-3-SS)



1" MIN Series Size II Cordsets

6, 7 & 8 Conductor MIN Series Size II Cordsets, 16/18AWG



Right Angle Male Cordsets | 600V, 8A | 300V, 5.5A | 300V, 5A | IP67 Rating



B

MIN Series Size II Cordsets



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-6MP2-*-R	Yellow PVC STOOW 6 X 16 AWG 600V, 8A -40°C to +105°C 13.2mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. Black 4. White 5. Red 6. Green/Yellow	 1"-16UN2
	MIN-6MPX2-*-R	Yellow PVC SJTOOW 6 X 18 AWG 300V, 5.5A -40°C to +105°C 10.1mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. Black 4. White 5. Red 6. Green/Yellow	 1"-16UN2
	MINP-6MPX2-*-R	Yellow PUR AWM 6 X 18 AWG 300V, 5.5A -40°C to +80°C 8.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR	North American 1. Orange 2. Blue 3. Black 4. White 5. Red 6. Green/Yellow	 1"-16UN2
	MIN-7MPX-*-R (Yellow)	PVC AWM 7 X 18 AWG 300V, 5A -40°C to +105°C 8.3mm OD	Industry Standard PVC	North American 1. White/Black 2. Black 3. White 4. Red 5. Orange 6. Blue 7. Green/Yellow	 1"-16UN2
	MIN-7MPX-*-R-B (Black)	Yellow PUR AWM 7 X 18 AWG 300V, 5A -40°C to +80°C 8.3mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MIN-8MPX-*-R (Yellow)	PVC AWM 8 X 18 AWG 300V, 5A -40°C to +105°C 9.1mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. White/Black 4. Black 5. White 6. Red 7. Green/Yellow 8. Red/Black	 1"-16UN2
	MIN-8MPX-*-R-B (Black)	Yellow PUR AWM 8 X 18 AWG 300V, 5A -40°C to +80°C 9.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MINP-8MPX-*-R	Yellow PUR AWM 8 X 18 AWG 300V, 5A -40°C to +80°C 9.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

* Length in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

Standard coupling nut is anodized aluminum, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-6MP2-3-R becomes MIN-6MP2-3-R-SS)

For male threaded coupling replace "MP" with "MPM". (e.g. MIN-6MP2-3-R becomes MIN-6MPM2-3-R)

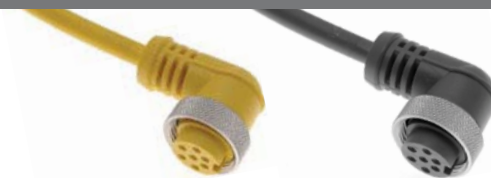


1" MIN Series Size II Cordsets

6, 7 & 8 Conductor MIN Series Size II Cordsets, 16/18AWG



Right Angle Female Cordsets | 600V, 8A | 300V, 5.5A | 300V, 5A | IP67 Rating



MIN Series Size II Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-6FP2-*-R	Yellow PVC STOOW 6 X 16 AWG 600V, 8A -40°C to +105°C 13.2mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. Black 4. White 5. Red 6. Green/Yellow	 1"-16UN2
	MIN-6FPX2-*-R	Yellow PVC SJTOOW 6 X 18 AWG 300V, 5.5A -40°C to +105°C 10.1mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. Black 4. White 5. Red 6. Green/Yellow	 1"-16UN2
	MINP-6FPX2-*-R	Yellow PUR AWM 6 X 18 AWG 300V, 5.5A -40°C to +80°C 8.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR	North American 1. Orange 2. Blue 3. Black 4. White 5. Red 6. Green/Yellow	 1"-16UN2
	MIN-7FPX-*-R (Yellow)	PVC AWM 7 X 18 AWG 300V, 5A -40°C to +105°C 8.3mm OD	Industry Standard PVC	North American 1. White/Black 2. Black 3. White 4. Red 5. Orange 6. Blue 7. Green/Yellow	 1"-16UN2
	MIN-7FPX-*-R-B (Black)				
MINP-7FPX-*-R	Yellow PUR AWM 7 X 18 AWG 300V, 5A -40°C to +80°C 8.3mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR			
	MIN-8FPX-*-R (Yellow)	PVC AWM 8 X 18 AWG 300V, 5A -40°C to +105°C 9.1mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. White/Black 4. Black 5. White 6. Red 7. Green/Yellow 8. Red/Black	 1"-16UN2
	MIN-8FPX-*-R-B (Black)				
MINP-8FPX-*-R	Yellow PUR AWM 8 X 18 AWG 300V, 5A -40°C to +80°C 9.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR			

* Length in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

Standard coupling nut is anodized aluminum, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-6FP2-3-R becomes MIN-6FP2-3-R-SS)



1" MIN Series Size II Cordsets

6, 7 & 8 Conductor MIN Series Size II Cordsets, 16/18AWG



Double Ended Cordsets | 600V, 8A | 300V, 5.5A | 300V, 5A | IP67 Rating



B

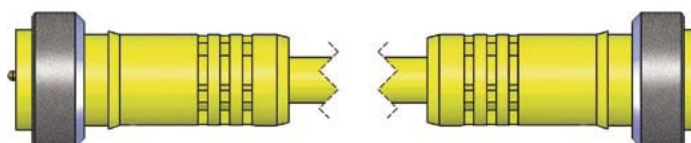
MIN Series Size II Cordsets

Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
<p>1"-16UN2</p>	MIN-6MFP2-*	Yellow PVC STOOW 6 X 16 AWG 600V, 8A -40°C to +105°C 13.2mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. Black 4. White 5. Red 6. Green/Yellow	<p>1"-16UN2</p>
	MIN-6MFPX2-*	Yellow PVC SJTOOW 6 X 18 AWG 300V, 5.5A -40°C to +105°C 10.1mm OD	Industry Standard PVC		
	MINP-6MFPX2-*	Yellow PUR AWM 6 X 18 AWG 300V, 5.5A -40°C to +80°C 8.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
<p>1"-16UN2</p>	MIN-7MFPX- (Yellow)	PVC AWM 7 X 18 AWG 300V, 5A -40°C to +105°C 8.3mm OD	Industry Standard PVC	North American 1. White/Black 2. Black 3. White 4. Red 5. Orange 6. Blue 7. Green/Yellow	<p>1"-16UN2</p>
	MIN-7MFPX- *B (Black)				
	MINP-7MFPX-*	Yellow PUR AWM 7 X 18 AWG 300V, 5A -40°C to +80°C 8.3mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
<p>1"-16UN2</p>	MIN-8MFPX- (Yellow)	PVC AWM 8 X 18 AWG 300V, 5A -40°C to +105°C 9.1mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. White/Black 4. Black 5. White 6. Red 7. Green/Yellow 8. Red/Black	<p>1"-16UN2</p>
	MIN-8MFPX- *B (Black)				
	MINP-8MFPX-*	Yellow PUR AWM 8 X 18 AWG 300V, 5A -40°C to +80°C 9.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

* Length in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

Standard coupling nut is anodized aluminum, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-7MFPX2-3 becomes MIN-7MFPX2-3-SS)

For male threaded coupling replace "MFP" with "MFPM". (e.g. MIN-6MFP2-3 becomes MIN-6MFPM2-3)



Male - Female Extension



1" MIN Series Size II Accessories

MIN Series Size II Dummy Plugs



Dummy Plugs | Jumpered Pins | IP67 Rating



B

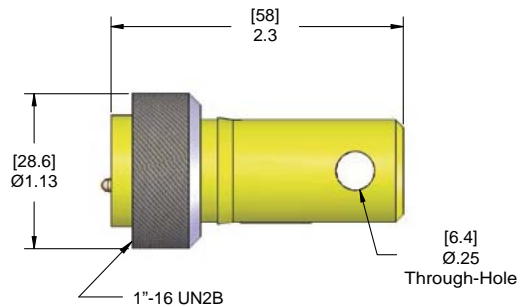
MIN Series Size II Cordsets

# of Poles	Male Faceview	Jumpers	Male Plugs	Female Plugs
6	 1"-16UN2	1 to 2 4 to 5	MIN-6MP2-DP1	MIN-6FP2-DP1
7	 1"-16UN2	1 to 2 3 to 4 5 to 6	MIN-7MP-DP1	MIN-7FP-DP1
8	 1"-16UN2	1 to 2 3 to 4	MIN-8MP-DP1	MIN-8FP-DP1

Standard coupling nut is anodized aluminum, for stainless steel coupling nut add a "SS" suffix. (e.g. MIN-6FP2-DP1 becomes MIN-6FP2-DP1-SS)
Alternate wiring is available, please consult the factory.

Specifications:

Body: Oil Resistant Yellow PVC
 Contacts: Copper Alloy with Gold Plating
 Coupling Nut: Clear Anodized Aluminum
 Jumpers: 18 AWG
 Temperature: -40°C to +105°C (-40°F to +221°F)





1" MIN Series Size II Accessories

MIN Series Size II Accessories



Closure Caps & Plugs | Adapter Coupling | IP67 Rating

B

MIN Series Size II Cordsets

Metal/Plastic Closure Caps				
Closure Style	Part Number	Material	Threads	Mounting Hole Size
	MIN-2-CAP	Nickel Plated Brass	Female	0.13"
	MIN-2-CAP-CBLY	Nickel Plated Brass	Female	1.3"
	MIN-2-CAP-PASW	Polyamide NBR with Tether***	Female	0.76"
Metal Closure Plugs				
	MIN-2-PLUG	Nickel Plated Brass	Male	0.13"
	MIN-2-PLUG-CBLY	Nickel Plated Brass	Male	1.3"

NBR tether and stainless steel lanyard are available for all MIN-2-CAP and MIN-2-PLUG. Please consult the factory for part number and availability.
 ***Tether mounts under receptacles with 1/2" NPT, M20 or M25 mounting threads and also serves as a gasket.

Adapter Coupling	Part Number	Material	Threads
	MIN-XMP2-AD	Nickel Plated Brass	Male
	MIN-XMP2-AD-SS	Stainless Steel	



1" MIN Series Size II Accessories

6, 7 & 8 Conductor MIN Series Size II Accessory Cables



100' Cables | Raw Cable Spools

# of Conductors	Color Code	Wire AWG	Voltage Rating	Features	Jacket Color	Part Number	
						100' Cable	Spool
6	North American Orange Blue Black White Red Green/Yellow	16 AWG	600V	PVC STOOW 13.3mm OD (0.52" OD)	Yellow	MIN-6CBL2-C	10E0003-*
		18 AWG	300V	PVC SJTOOW 10.1mm OD (0.39" OD)	Yellow	MIN-6CBLX2-C	10EX001-*
		18 AWG	300V	PUR AWM 8.5mm OD (0.33" OD)	Yellow	MINP-6CBLX2-C	10EXP01-*
7	North American White/Black Black White Red Orange Blue Green/Yellow	18 AWG	300V	PVC AWM 8.3mm OD (0.32" OD)	Yellow	MIN-7CBLX2-C	10FX001-*
					Black	MIN-7CBLX2-C-B	10FXB01-*
		18 AWG	300V	PUR AWM 8.3mm OD (0.32" OD)	Yellow	MINP-7CBLX2-C	10FXP01-*
8	North American Orange Blue White/Black Black White Red Green/Yellow Red/Black	18 AWG	300V	PVC AWM 9.1mm OD (0.35" OD)	Yellow	MIN-8CBLX2-C	17G0001-*
					Black	MIN-8CBLX2-C-B	10GXB01-*
		18 AWG	300V	PUR AWM 9.1mm OD (0.35" OD)	Yellow	MINP-8CBLX2-C	10GXP01-*

B
MIN Series Size II Cordsets

* Standard raw spool lengths are 0250, 0500, 0750 & 1000 feet. Consult factory for other lengths.

Cable Construction subject to change without notice.

Length in feet. Standard cable length is 100 feet. Consult factory for other lengths.



Notes:

B

MIN Series Size II Cordsets



1" MIN Series Size II Receptacles

MIN Series Size II Receptacle Part Number Matrix



Not all options available with all receptacles, please consult factory.

MIN - - - - -

Number of Conductors

- 6
- 7
- 8

Connector Configuration

- MR2 = Male Receptacle
- FR2 = Female Receptacle
- FRF2 = Female Receptacles w/ Female Threads

Shell Material

- Blank = Aluminum or Nickel plated brass
- SS = Stainless Steel

Length in Feet

Mounting Style

- Blank = Front Mount 1/2"-14 NPT
- PG13.5 = Front Mount PG 13.5 Threads
- PG16 = Front Mount PG 16 Threads
- M20 = Front Mount Metric 20 Threads
- BM = Back Mount

Wire AWG

- Blank = 16 AWG
- 18 = 18 AWG
- 22 = 22 AWG

B

MIN Series Size II Receptacles



1" MIN Series Size II Receptacles

MIN Series Size II Receptacle Index



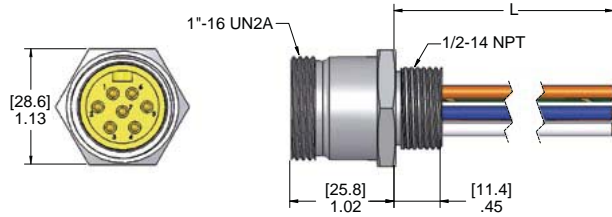
Front Mount | Back Mount

B

MIN Series Size II Receptacles

Front Mount, Male, 1/2"-14NPT

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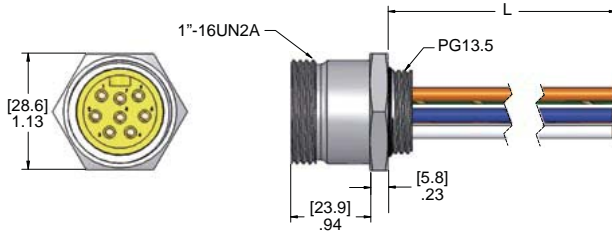
Front Mount, Female, 1/2"-14NPT

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Front Mount, Male, PG Threads

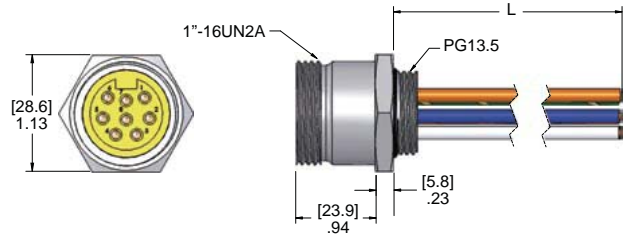
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PG13.5 shown - PG16 also available.

Front Mount, Female, PG Threads

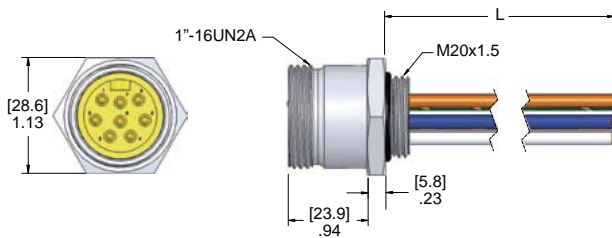
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PG13.5 shown - PG16 also available.

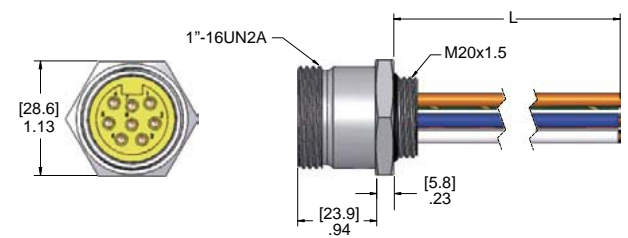
Front Mount, Male, Metric Threads

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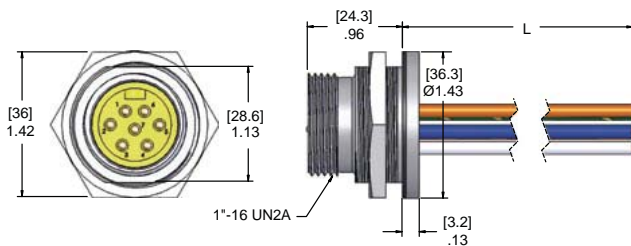
Front Mount, Female, Metric Threads

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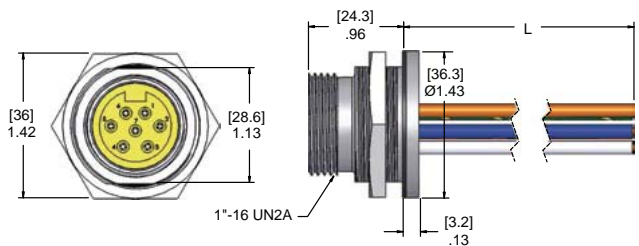
Back Mount, Male

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Back Mount, Female

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1" MIN Series Size II Receptacles

6, 7 & 8 Conductor MIN Series Size II Receptacles, 16/18/22AWG

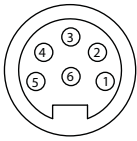
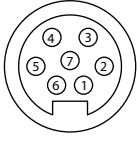
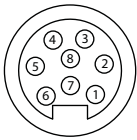


Front Mount Receptacles | 1/2"-14 NPT Threads | IP67 Rating



B

MIN Series Size II Receptacles

# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
6	 <p>1"-16UN2</p>	North American 1. Orange 2. Blue 3. Black 4. White 5. Red 6. Green/Yellow	600V 8A	16 AWG	MIN-6MR2-1	MIN-6FR2-1
			300V 5.5A	18 AWG	MIN-6MR2-1-18	MIN-6FR2-1-18
			300V 3A	22 AWG	MIN-6MR2-1-22	MIN-6FR2-1-22
7	 <p>1"-16UN2</p>	North American 1. White/Black 2. Black 3. White 4. Red 5. Orange 6. Blue 7. Green/Yellow	600V 5A	16 AWG	MIN-7MR2-1	MIN-7FR2-1
			300V 5A	18 AWG	MIN-7MR2-1-18	MIN-7FR2-1-18
			300V 3A	22 AWG	MIN-7MR2-1-22	MIN-7FR2-1-22
8	 <p>1"-16UN2</p>	North American 1. Orange 2. Blue 3. White/Black 4. Black 5. White 6. Red 7. Green/Yellow 8. Red/Black	600V 5A	16 AWG	MIN-8MR2-1	MIN-8FR2-1
			300V 5A	18 AWG	MIN-8MR2-1-18	MIN-8FR2-1-18
			300V 3A	22 AWG	MIN-8MR2-1-22	MIN-8FR2-1-22

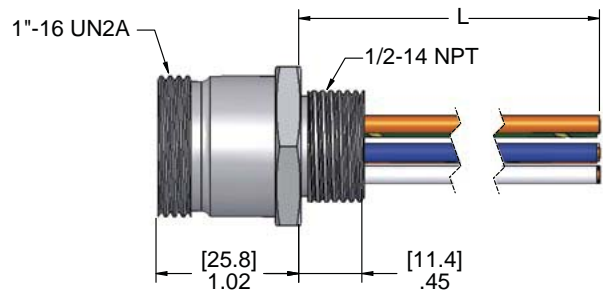
12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Standard shell is anodized aluminum, for stainless steel shell, add a "-SS" suffix (e.g. MIN-7MR2-1-18 becomes MIN-7MR2-1-18-SS).

O-ring and lock nut are included on lead lengths of 15" or longer.

Specifications:

- Shell: Clear Anodized Aluminum
- Lock Nut: Nickel Plated Brass
- Insulator: 105° C, Oil Resistant Yellow PVC
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Lock Nut: Zinc Plated Steel
- Temperature: -40°C to +105°C (-40°F to +221°F)





1" MIN Series Size II Receptacles

6, 7 & 8 Conductor MIN Series Size II Receptacles, 16/18/22AWG

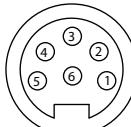
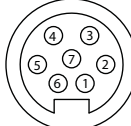
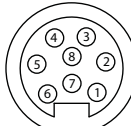


Front Mount Receptacles | European PG Threads | IP67 Rating



B

MIN Series Size II Receptacles

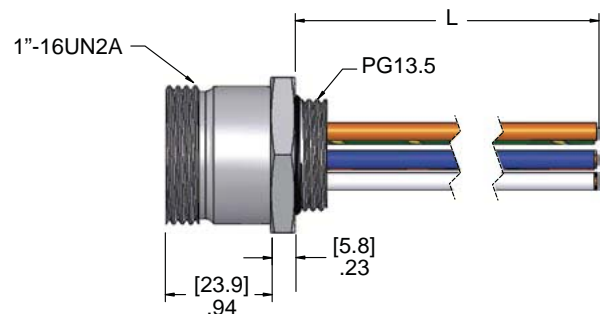
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Mounting Threads	Male Receptacles	Female Receptacles
6	 1"-16UN2	North American 1. Orange 2. Blue 3. Black 4. White 5. Red 6. Green/Yellow	600V 8A	16 AWG	PG 13.5	MIN-6MR2-1-PG13.5	MIN-6FR2-1-PG13.5
					PG 16	MIN-6MR2-1-PG16	MIN-6FR2-1-PG16
			300V 5.5A	18 AWG	PG 13.5	MIN-6MR2-1-18-PG13.5	MIN-6FR2-1-18-PG13.5
					PG 16	MIN-6MR2-1-18-PG16	MIN-6FR2-1-18-PG16
			300V 3A	22 AWG	PG 13.5	MIN-6MR2-1-22-PG13.5	MIN-6FR2-1-22-PG13.5
					PG 16	MIN-6MR2-1-22-PG16	MIN-6FR2-1-22-PG16
7	 1"-16UN2	North American 1. White/Black 2. Black 3. White 4. Red 5. Orange 6. Blue 7. Green/Yellow	600V 5A	16 AWG	PG 13.5	MIN-7MR2-1-PG13.5	MIN-7FR2-1-PG13.5
					PG 16	MIN-7MR2-1-PG16	MIN-7FR2-1-PG16
			300V 5A	18 AWG	PG 13.5	MIN-7MR2-1-18-PG13.5	MIN-7FR2-1-18-PG13.5
					PG 16	MIN-7MR2-1-18-PG16	MIN-7FR2-1-18-PG16
			300V 3A	22 AWG	PG 13.5	MIN-7MR2-1-22-PG13.5	MIN-7FR2-1-22-PG13.5
					PG 16	MIN-7MR2-1-22-PG16	MIN-7FR2-1-22-PG16
8	 1"-16UN2	North American 1. Orange 2. Blue 3. White/Black 4. Black 5. White 6. Red 7. Green/Yellow 8. Red/Black	600V 5A	16 AWG	PG 13.5	MIN-8MR2-1-PG13.5	MIN-8FR2-1-PG13.5
					PG 16	MIN-8MR2-1-PG16	MIN-8FR2-1-PG16
			300V 5A	18 AWG	PG 13.5	MIN-8MR2-1-18-PG13.5	MIN-8FR2-1-18-PG13.5
					PG 16	MIN-8MR2-1-18-PG16	MIN-8FR2-1-18-PG16
			300V 3A	22 AWG	PG 13.5	MIN-8MR2-1-22-PG13.5	MIN-8FR2-1-22-PG13.5
					PG 16	MIN-8MR2-1-22-PG16	MIN-8FR2-1-22-PG16

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Standard shell is anodized aluminum, for stainless steel shell, add a "-SS" suffix. (e.g. MIN-6FR2-1-PG13.5 becomes MIN-6FR2-1-PG13.5-SS)

Specifications:

- Shell: Clear Anodized Aluminum
- Lock Nut: Nickel Plated Brass
- Insulator: 105°C, Oil Resistant Yellow PVC
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Jam Nut: Nickel Plated Brass
- Temperature: -40°C to +105°C (-40°F to +221°F)





1" MIN Series Size II Receptacles

6, 7 & 8 Conductor MIN Series Size II Receptacles, 16/18/22AWG



Front Mount Receptacles | Metric Threads | IP67 Rating



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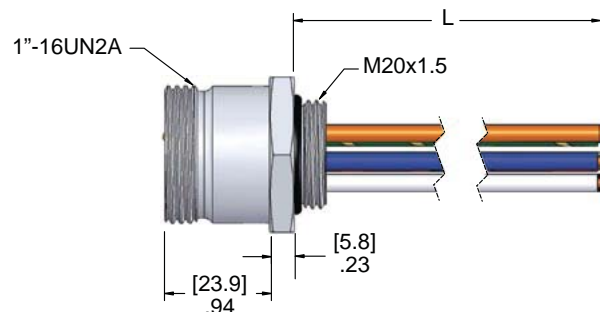
MIN Series Size II Receptacles

# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
6	<p>1"-16UN2</p>	North American 1. Orange 2. Blue 3. Black 4. White 5. Red 6. Green/Yellow	600V 8A	16 AWG	MIN-6MR2-1-M20	MIN-6FR2-1-M20
			300V 5.5A	18 AWG	MIN-6MR2-1-18-M20	MIN-6FR2-1-18-M20
			300V 3A	22 AWG	MIN-6MR2-1-22-M20	MIN-6FR2-1-22-M20
7	<p>1"-16UN2</p>	North American 1. White/Black 2. Black 3. White 4. Red 5. Orange 6. Blue 7. Green/Yellow	600V 5A	16 AWG	MIN-7MR2-1-M20	MIN-7FR2-1-M20
			300V 5A	18 AWG	MIN-7MR2-1-18-M20	MIN-7FR2-1-18-M20
			300V 3A	22 AWG	MIN-7MR2-1-22-M20	MIN-7FR2-1-22-M20
8	<p>1"-16UN2</p>	North American 1. Orange 2. Blue 3. White/Black 4. Black 5. White 6. Red 7. Green/Yellow 8. Red/Black	600V 5A	16 AWG	MIN-8MR2-1-M20	MIN-8FR2-1-M20
			300V 5A	18 AWG	MIN-8MR2-1-18-M20	MIN-8FR2-1-18-M20
			300V 3A	22 AWG	MIN-8MR2-1-22-M20	MIN-8FR2-1-22-M20

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.
 Standard shell is anodized aluminum, for stainless steel shell, add a "-SS" suffix. (e.g. MIN-6FR2-1-M20 becomes MIN-6FR2-1-M20-SS)

Specifications:

- Shell: Clear Anodized Aluminum
- Insulator: 105° C Oil Resistant Yellow PVC
- Contacts: Copper Alloy with Gold Plating
- Jam Nut: Nickel Plated Brass
- O-Ring: NBR
- Temperature: -40°C to +105°C (-40°F to +221°F)





1" MIN Series Size II Receptacles

6, 7 & 8 Conductor MIN Series Size II Receptacles, 16/18/22AWG



Back Mount Receptacles | IP67 Rating



B

MIN Series Size II Receptacles

# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
6	<p>1"-16UN2</p>	North American 1. Orange 2. Blue 3. Black 4. White 5. Red 6. Green/Yellow	600V 8A	16 AWG	MIN-6MR2-1-BM	MIN-6FR2-1-BM
			300V 5.5A	18 AWG	MIN-6MR2-1-18-BM	MIN-6FR2-1-18-BM
			300V 3A	22 AWG	MIN-6MR2-1-22-BM	MIN-6FR2-1-22-BM
7	<p>1"-16UN2</p>	North American 1. White/Black 2. Black 3. White 4. Red 5. Orange 6. Blue 7. Green/Yellow	600V 5A	16 AWG	MIN-7MR2-1-BM	MIN-7FR2-1-BM
			300V 5A	18 AWG	MIN-7MR2-1-18-BM	MIN-7FR2-1-18-BM
			300V 3A	22 AWG	MIN-7MR2-1-22-BM	MIN-7FR2-1-22-BM
8	<p>1"-16UN2</p>	North American 1. Orange 2. Blue 3. White/Black 4. Black 5. White 6. Red 7. Green/Yellow 8. Red/Black	600V 5A	16 AWG	MIN-8MR2-1-BM	MIN-8FR2-1-BM
			300V 5A	18 AWG	MIN-8MR2-1-18-BM	MIN-8FR2-1-18-BM
			300V 3A	22 AWG	MIN-8MR2-1-22-BM	MIN-8FR2-1-22-BM

12" leads are standard. Longer lead lengths are available.

Standard shell is anodized aluminum, for stainless steel shell, add a "-SS" suffix. (e.g. MIN-6FR2-1-BM becomes MIN-6FR2-1-BM-SS)

Specifications:

Shell: Clear Anodized Aluminum/
Stainless Steel

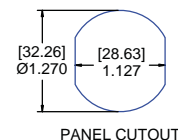
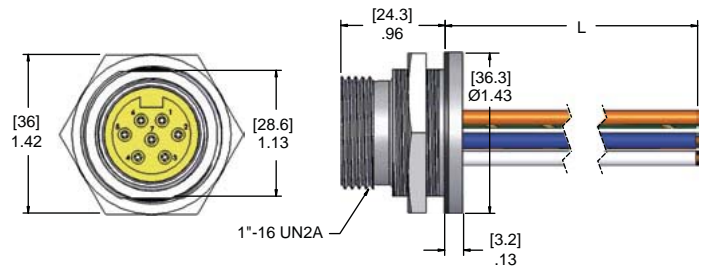
Insulator: 105°C, Oil Resistant Yellow PVC

Contacts: Copper Alloy with Gold Plating

Jam Nut: Nickel Plated Brass

O-ring: NBR

Temperature: -40°C to +105°C (-40°F to +221°F)





1" MIN Series Size II Accessories

MIN Series Size II Jam & Lock Nuts



NPT, PG & Metric Threads

B

MIN Series Size II Receptacles

Jam Nuts					
Style	Part #	Thread	A	Thickness	Material
	213M	PG 13.5	21 mm	3.0 mm	Nickel Plated Brass
	216M	PG 16	26 mm	3.0 mm	Nickel Plated Brass
	2M20M	M20 x 1.5	24 mm	3.0 mm	Nickel Plated Brass
	2M32M	M32 x 1.5	36 mm	4 mm	Nickel Plated Brass
Lock Nut					
	212M	1/2" NPT	28.5 mm	3.3 mm	Zinc Plated Steel



Notes:

B

MIN Series Size II Receptacles



1 1/8" MIN Series Size III Cordsets

MIN Series Size III Cordset Part Number Matrix



Not all options available with all cordsets, please consult factory.

MIN [] - [] [] - [] - [] - []

Cable Type

Blank = PVC
P = PUR

Number of Conductors

9
10
12
19

Connector Configuration

MPX = Male Plug - 18awg
FPX = Female Plug - 18 awg
MFPX = Male / Female Extension - 18awg
MFRPX = Male Straight / Female Right Angle - 18awg
MRFPX = Male Right Angle / Female Straight - 18awg

Coupling Nut

Blank = Aluminum or Nickel plated brass
SS = Stainless Steel

R/A or Straight

Blank = Straight *
R = Right Angle **

* Unless the Connector Configuration is MFRP or MRFP
** If single ended cable, right angle connector to flying leads
If double ended cable, right angle on both connectors

Length in Feet

3
6
12
20
30
50

19 Pole (Measured in Meters)

1M
2M
4M
5M
6M
10M
15M

C

MIN Series Size III Cordsets



1 1/8" MIN Series Size III Cordsets

9, 10 & 12 Conductor MIN Series Size III Cordsets, 18AWG



Straight Male Cordsets | 300 Volt, 4 amps | IP67 Rating



C

MIN Series Size III Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-9MPX-*	Yellow PVC AWM 9 X 18 AWG 300V, 4A -40°C to +105°C 9.1mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. Red/Black 4. Green/Black 5. White 6. Red 7. Green/Yellow 8. White/Black 9. Black	 1 1/8"-16UN2
	MINP-9MPX-*	Yellow PUR AWM 9 X 18 AWG 300V, 4A -40°C to +80°C 9.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MIN-10MPX-*	Yellow PVC AWM 10 X 18 AWG 300V, 4A -40°C to +105°C 10.1mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. White/Black 4. Red/Black 5. Green/Black 6. Orange/Black 7. Red 8. Green/Yellow 9. Black 10. White	 1 1/8"-16UN2
	MINP-10MPX-*	Yellow PUR AWM 10 X 18 AWG 300V, 4A -40°C to +80°C 10.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MIN-12MPX-*	Yellow PVC AWM 12 X 18 AWG 300V, 4A -40°C to +105°C 10.5mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. White/Black 4. Red/Black 5. Green/Black 6. Orange/Black 7. Blue/Black 8. Black/White 9. Green/Yellow 10. Red 11. White 12. Black	 1 1/8"-16UN2
	MINP-12MPX-*	Yellow PUR AWM 12 X 18 AWG 300V, 4A -40°C to +80°C 10.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

* Length in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

Standard coupling nut is anodized aluminum, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-10MPX-3 becomes MIN-10MPX-3-SS)

For male threaded coupling nut replace "MPX" with "MPMX". (e.g. MIN-10MPX-3 becomes MIN-10MPMX-3)



1 1/8" MIN Series Size III Cordsets

9, 10 & 12 Conductor MIN Series Size III Cordsets, 18AWG



Straight Female Cordsets | 300 Volt, 4 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-9FPX-*	Yellow PVC AWM 9 X 18 AWG 300V, 4A -40°C to +105°C 9.1mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. Red/Black 4. Green/Black 5. White 6. Red 7. Green/Yellow 8. White/Black 9. Black	 1 1/8"-16UN2
	MINP-9FPX-*	Yellow PUR AWM 9 X 18 AWG 300V, 4A -40°C to +80°C 9.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MIN-10FPX-*	Yellow PVC AWM 10 X 18 AWG 300V, 4A -40°C to +105°C 10.1mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. White/Black 4. Red/Black 5. Green/Black 6. Orange/Black 7. Red 8. Green/Yellow 9. Black 10. White	 1 1/8"-16UN2
	MINP-10FPX-*	Yellow PUR AWM 10 X 18 AWG 300V, 4A -40°C to +80°C 10.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MIN-12FPX-*	Yellow PVC AWM 12 X 18 AWG 300V, 4A -40°C to +105°C 10.5mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. White/Black 4. Red/Black 5. Green/Black 6. Orange/Black 7. Blue/Black 8. Black/White 9. Green/Yellow 10. Red 11. White 12. Black	 1 1/8"-16UN2
	MINP-12FPX-*	Yellow PUR AWM 12 X 18 AWG 300V, 4A -40°C to +80°C 10.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

C

MIN Series Size III Cordsets

* Length in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

Standard coupling nut is anodized aluminum, for stainless steel coupling nut add a "SS" suffix. (e.g. MIN-10FPX-3 becomes MIN-10FPX-3-SS)



1 1/8" MIN Series Size III Cordsets

9, 10 & 12 Conductor MIN Series Size III Cordsets, 18AWG



Right Angle Male Cordsets | 300 Volt, 4 amps | IP67 Rating



C

MIN Series Size III Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-9MPX-*-R	Yellow PVC AWM 9 X 18 AWG 300V, 4A -40°C to +105°C 9.2mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. Red/Black 4. Green/Black 5. White 6. Red 7. Green 8. White/Yellow 9. Black	 1 1/8"-16UN2
	MINP-9MPX-*-R	Yellow PUR AWM 9 X 18 AWG 300V, 4A -40°C to +80°C 9.2mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MIN-10MPX-*-R	Yellow PVC AWM 10 X 18 AWG 300V, 4A -40°C to +105°C 10.1mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. White/Black 4. Red/Black 5. Green/Black 6. Orange/Black 7. Red 8. Green/Yellow 9. Black 10. White	 1 1/8"-16UN2
	MINP-10MPX-*-R	Yellow PUR AWM 10 X 18 AWG 300V, 4A -40°C to +80°C 10.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MIN-12MPX-*-R	Yellow PVC AWM 12 X 18 AWG 300V, 4A -40°C to +105°C 10.5mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. White/Black 4. Red/Black 5. Green/Black 6. Orange/Black 7. Blue/Black 8. Black/White 9. Green/Yellow 10. Red 11. White 12. Black	 1 1/8"-16UN2
	MINP-12MPX-*-R	Yellow PUR AWM 12 X 18 AWG 300V, 4A -40°C to +80°C 10.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

* Length in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

Standard coupling nut is anodized aluminum, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-10MPX-3-R becomes MIN-10MPX-3-R-SS)

For male threaded coupling nut replace "MPX" with "MPMX". (e.g. MIN-10MPX-3-R becomes MIN-10MPMX-3-R)



1 1/8" MIN Series Size III Cordsets

9, 10 & 12 Conductor MIN Series Size III Cordsets, 18AWG



Right Angle Female Cordsets | 300 Volt, 4 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MIN-9FPX-*-R	Yellow PVC AWM 9 X 18 AWG 300V, 4A -40°C to +105°C 9.2mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. Red/Black 4. Green/Black 5. White 6. Red 7. Green/Yellow 8. White/Black 9. Black	 1 1/8"-16UN2
	MINP-9FPX-*-R	Yellow PUR AWM 9 X 18 AWG 300V, 4A -40°C to +80°C 9.2mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MIN-10FPX-*-R	Yellow PVC AWM 10 X 18 AWG 300V, 4A -40°C to +105°C 10.1mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. White/Black 4. Red/Black 5. Green/Black 6. Orange/Black 7. Red 8. Green/Yellow 9. Black 10. White	 1 1/8"-16UN2
	MINP-10FPX-*-R	Yellow PUR AWM 10 X 18 AWG 300V, 4A -40°C to +80°C 10.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MIN-12FPX-*-R	Yellow PVC AWM 12 X 18 AWG 300V, 4A -40°C to +105°C 10.5mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. White/Black 4. Red/Black 5. Green/Black 6. Orange/Black 7. Blue/Black 8. Black/White 9. Green/Yellow 10. Red 11. White 12. Black	 1 1/8"-16UN2
	MINP-12FPX-*-R	Yellow PUR AWM 12 X 18 AWG 300V, 4A -40°C to +80°C 10.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

C
MIN Series Size III Cordsets

* Length in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

Standard coupling nut is anodized aluminum, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-10FPX-3-R becomes MIN-10FPX-3-R-SS)



1 1/8" MIN Series Size III Cordsets

19 Conductor MIN Series Size III Cordsets, 18/22AWG



Straight Male & Female Cordsets | 300 Volt, 4 & 2 amps | IP67 Rating



C

MIN Series Size III Cordsets

Male Cordsets					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MINP-19MP.**	<p>Black PUR AWM With Foil Shield</p> <p>3 X 18 AWG 300V, 4A</p> <p>16 x 22 AWG 300V, 2A</p> <p>-40°C to +80°C 11mm OD</p>	<p>Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield</p>	<p>North American</p> <ol style="list-style-type: none"> Violet Red Gray Red/Blue Blue*** Green Brown*** White/Green White/Yellow White/Gray Black Green/Yellow*** Yellow/Brown Brown/Green White Yellow Pink Gray/Brown Gray/Pink 	<p>1 1/8"-16UN2</p>
Female Cordsets					
	MINP-19FP.**	<p>Black PUR AWM With Foil Shield</p> <p>3 X 18 AWG 300V, 4A</p> <p>16 x 22 AWG 300V, 2A</p> <p>-40°C to +80°C 11mm OD</p>	<p>Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield</p>	<p>North American</p> <ol style="list-style-type: none"> Violet Red Gray Red/Blue Blue*** Green Brown*** White/Green White/Yellow White/Gray Black Green/Yellow*** Yellow/Brown Brown/Green White Yellow Pink Gray/Brown Gray/Pink 	<p>1 1/8"-16UN2</p>

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

*** Blue, Brown and Green/Yellow are 18 AWG wires.

Standard coupling nut is anodized aluminum, for stainless steel coupling nut add a "-SS" suffix. (e.g. MINP-19MP-1M becomes MINP-19MP-1M-SS)

For male threaded coupling nut replace "MP" with "MPM". (e.g. MIN-19MP-1M becomes MIN-19MPM-1M)



1 1/8" MIN Series Size III Cordsets

19 Conductor MIN Series Size III Cordsets, 18/22AWG



Right Angle Male & Female Cordsets | 300 Volt, 4 & 2 amps | IP67 Rating



Male Cordsets					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MINP-19MP-**-R	Black PUR AWM With Foil Shield 3 X 18 AWG 300V, 4A 16 x 22 AWG 300V, 2A -40°C to +80°C 11mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield	North American 1. Violet 2. Red 3. Gray 4. Red/Blue 5. Blue*** 6. Green 7. Brown*** 8. White/Green 9. White/Yellow 10. White/Gray 11. Black 12. Green/Yellow*** 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Gray/Pink	 1 1/8"-16UN2
Female Cordsets					
	MINP-19FP-**-R	Black PUR AWM With Foil Shield 3 X 18 AWG 300V, 4A 16 x 22 AWG 300V, 2A -40°C to +80°C 11mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield	North American 1. Violet 2. Red 3. Gray 4. Red/Blue 5. Blue*** 6. Green 7. Brown*** 8. White/Green 9. White/Yellow 10. White/Gray 11. Black 12. Green/Yellow*** 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Gray/Pink	 1 1/8"-16UN2

C
MIN Series Size III Cordsets

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 . Consult factory for other lengths.

*** Blue, Brown and Green/Yellow are 18 AWG wires.

Standard coupling nut is anodized aluminum, for stainless steel coupling nut add a "-SS" suffix. (e.g. MINP-19MP-1M-R becomes MINP-19MP-1M-R-SS)

For male threaded coupling nut replace "MP" with "MPM". (e.g. MIN-19MP-1M-R becomes MIN-19MPM-1M-R)



1 1/8" MIN Series Size III Cordsets

9, 10 & 12 Conductor MIN Series Size III Cordsets, 18AWG

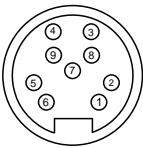
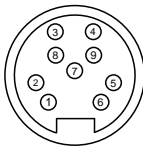
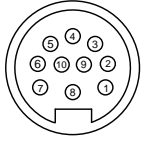
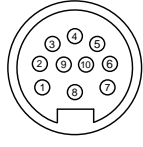
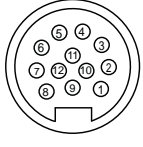
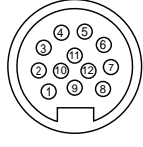


Double Ended Cordsets | 300 Volt, 4 amps | IP67 Rating



C

MIN Series Size III Cordsets

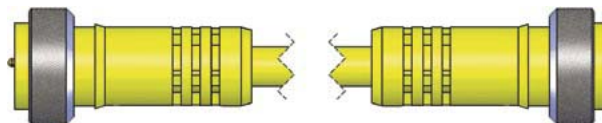
Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
 <p>1 1/8"-16UN2</p>	MIN-9MFPX-*	Yellow PVC AWM 9 X 18 AWG 300V, 4A -40°C to +105°C 9.2mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. Red/Black 4. Green/Black 5. White 6. Red 7. Green/Yellow 8. White/Black 9. Black	 <p>1 1/8"-16UN2</p>
	MINP-9MFPX-*	Yellow PUR AWM 9 X 18 AWG 300V, 4A -40°C to +80°C 9.2mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
 <p>1 1/8"-16UN2</p>	MIN-10MFPX-*	Yellow PVC AWM 10 X 18 AWG 300V, 4A -40°C to +105°C 10.1 mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. White/Black 4. Red/Black 5. Green/Black 6. Orange/Black 7. Red 8. Green/Yellow 9. Black 10. White	 <p>1 1/8"-16UN2</p>
	MINP-10MFPX-*	Yellow PUR AWM 10 X 18 AWG 300V, 4A -40°C to +80°C 10.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
 <p>1 1/8"-16UN2</p>	MIN-12MFPX-*	Yellow PVC AWM 12 X 18 AWG 300V, 4A -40°C to +105°C 10.5mm OD	Industry Standard PVC	North American 1. Orange 2. Blue 3. White/Black 4. Red/Black 5. Green/Black 6. Orange/Black 7. Blue/Black 8. Black/White 9. Green/Yellow 10. Red 11. White 12. Black	 <p>1 1/8"-16UN2</p>
	MINP-12MFPX-*	Yellow PUR AWM 12 X 18 AWG 300V, 4A -40°C to +80°C 10.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

* Length in feet. Standard cable lengths are 3, 6, 12, 20, 30 & 50 feet. Consult factory for other lengths.

Standard coupling nut is anodized aluminum, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-10MFPX-3 becomes MIN-10MFPX-3-SS)

For male threaded coupling nut replace "MFPX" with "MFPMX". (e.g. MIN-10MFPX-3 becomes MIN-10MFPMX-3)

For available options for extension cables with right angle male and/or female ends, please consult the factory.



Male - Female Extension



1 1/8" MIN Series Size III Cordsets

19 Conductor MIN Series Size III Cordsets, 18/22AWG



Double Ended Cordsets | 300 Volt, 4 & 2 amps | 300 Volt, 8 & 3 amps | IP67 Rating



Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
<p>1 1/8"-16UN2</p>	MINP-19MFP-**	Black PUR AWM With Foil Shield 3 X 18 AWG 300V, 4A 16 x 22 AWG 300V, 2A -40°C to +80°C 11mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield	North American 1. Violet 2. Red 3. Gray 4. Red/Blue 5. Blue*** 6. Green 7. Brown*** 8. White/Green 9. White/Yellow 10. White/Gray 11. Black 12. Green/Yellow*** 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Gray/Pink	<p>1 1/8"-16UN2</p>

MIN Series Size III Cordsets

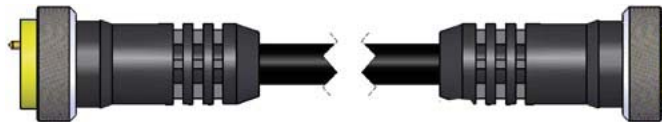
** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

*** Blue, Brown and Green/Yellow are 18 AWG wires.

Standard coupling nut is anodized aluminum, for stainless steel coupling nut add a "-SS" suffix. (e.g. MINP-19MFP-1M becomes MINP-19MFP-1M-SS)

For male threaded coupling nut replace "MFP" with "MFPM". (e.g. MIN-19MFP-1M becomes MIN-19MFPM-1M)

For available options for extension cables with right angle male and/or female ends, please consult the factory.



19 Pole Male - Female Extension



1 1/8" MIN Series Size III Accessories

MIN Series Size III Accessories



Closure Caps & Plugs | Adapter Coupling | IP67 Rating

G

MIN Series Size III Cordsets

Metal Closure Caps				
Closure Style	Part Number	Material	Threads	Mounting Hole Size
	MIN-3-CAP	Nickel Plated Brass	Female	0.13"
	MIN-3-CAP-CBLY	Nickel Plated Brass	Female	1.3"
Metal Closure Plugs				
	MIN-3-PLUG	Nickel Plated Brass	Male	0.13"
	MIN-3-PLUG-CBLY	Nickel Plated Brass	Male	1.3"

NBR tether and stainless steel lanyard are available for all MIN-3-CAP and MIN-3-PLUG. Please consult the factory for part number and availability.

Adapter Coupling	Part Number	Material	Threads
	MIN-XMP3-AD	Nickel Plated Brass	Male
	MIN-XMP3-AD-SS	Stainless Steel	



1 1/8" MIN Series Size III Accessories

9, 10, 12 & 19 Conductor MIN Series Size III Accessory Cables



100' Cables | Raw Cable Spools

# of Conductors	Color Code	Wire AWG	Voltage Rating	Features	Part Number	
					100' Cable	Spool
9	North American 1. Orange 2. Blue 3. Red/Black 4. Green/Black 5. White 6. Red 7. Green/Yellow 8. White/Black 9. Black	18 AWG	300V	Yellow PVC AWM 9.1mm OD (0.36" OD)	MIN-9CBLX-C	10H0001-*
		18 AWG	300V	Yellow PUR AWM 9.1mm OD (0.36" OD)	MINP-9CBLX-C	10HP001-*
10	North American 1. Orange 2. Blue 3. White/Black 4. Red/Black 5. Green/Black 6. Orange/Black 7. Red 8. Green/Yellow 9. Black 10. White	18 AWG	300V	Yellow PVC AWM 10.1mm OD (0.40" OD)	MIN-10CBLX-C	10J0001-*
		18 AWG	300V	Yellow PUR AWM 10.1mm OD (0.40" OD)	MINP-10CBLX-C	10JP001-*
12	North American 1. Orange 2. Blue 3. White/Black 4. Red/Black 5. Green/Black 6. Orange/Black 7. Blue/Black 8. Black/White 9. Green/Yellow 10. Red 11. White 12. Black	18 AWG	300V	Yellow PVC AWM 10.5mm OD (0.41" OD)	MIN-12CBLX-C	10K0001-*
		18 AWG	300V	Yellow PUR AWM 10.5mm OD (0.41" OD)	MINP-12CBLX-C	10KP001-*
19	1. Violet 2. Red 3. Gray 4. Red/Blue 5. Blue*** 6. Green 7. Brown*** 8. White/Green 9. White/Yellow 10. White/Gray 11. Black 12. Green/Yellow*** 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Gray/Pink	3 x 18 AWG & 16 x 22 AWG	300V	Yellow PUR UL 20233 With Foil Shield 11mm OD (0.43" OD)	MINP-19CBL-C	54RMP01-*

C
MIN Series Size III Cordsets

* Standard raw spool lengths are 0250, 0500, 0750 & 1000 feet. Consult factory for other lengths.

*** For the 19 Pin, blue, brown, and green/Yellow wires are 18 AWG.

Cable Construction subject to change without notice.

Length in feet. Standard cable length is 100 feet. Consult factory for other lengths.



Notes:

C

MIN Series Size III Cordsets



1 1/8" MIN Series Size III Receptacles

MIN Series Size III Receptacle Part Number Matrix



Not all options available with all receptacles, please consult factory.

MIN - [] [] - [] - [] - [] - []

Number of Conductors

- 9
- 10
- 12
- 19

Connector Configuration

- MR = Male Receptacle
- FR = Female Receptacle
- FRF = Female Receptacle w/ Female Threads

Length in Feet

Wire AWG

- Blank = 16 AWG
18 & 22 AWG (19 pole only)
- 18 = 18 AWG
- 22 = 22 AWG

Shell Material

- Blank = Aluminum or Nickel plated brass
- SS = Stainless Steel

Mounting Style

- Blank = Front Mount 1/2"-14 NPT
- PG13.5 = Front Mount PG 13.5 Threads
- PG16 = Front Mount PG 16 Threads
- M20 = Front Mount Metric 20 Threads
- M25 = Front Mount Metric 25 Threads
- BM = Back Mount

C

MIN Series Size III Receptacles



1 1/8" MIN Series Size III Receptacles

MIN Series Size III Receptacle Index



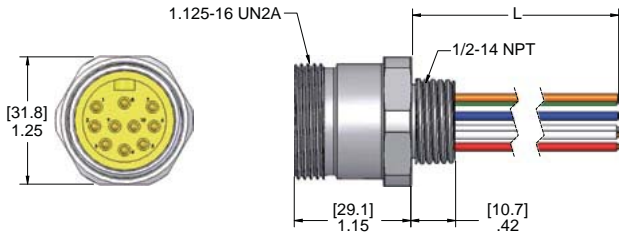
Front Mount | Back Mount

G

MIN Series Size III Receptacles

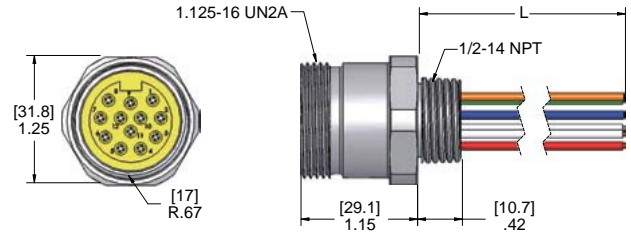
Front Mount, Male, 1/2"-14NPT

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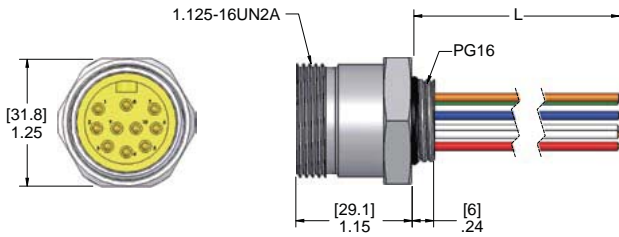
Front Mount, Female, 1/2"-14NPT

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Front Mount, Male, PG Threads

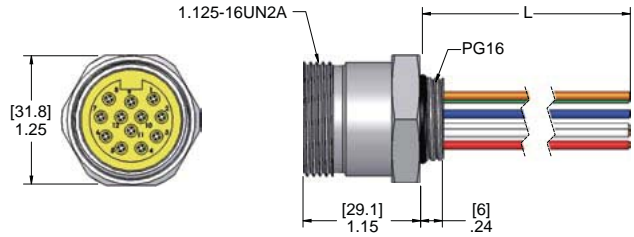
Page D-7



PG 16 shown - PG 13.5 also available.

Front Mount, Female, PG Threads

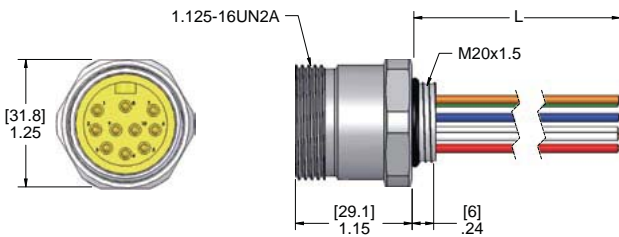
Page D-7



PG 16 shown - PG 13.5 also available.

Front Mount, Male, Metric Threads

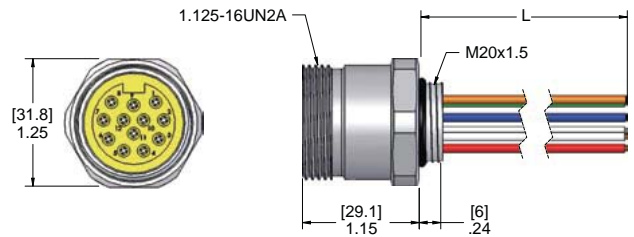
Page D-8



M20 shown - M25 also available.

Front Mount, Female, Metric Threads

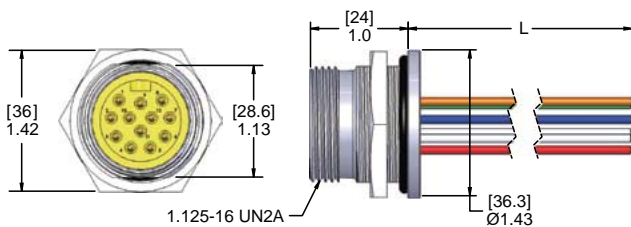
Page D-8



M20 shown - M25 also available.

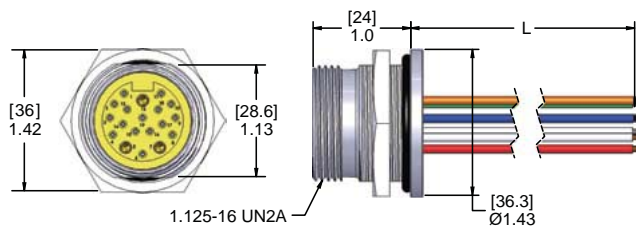
Back Mount, Male

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Back Mount, Female

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1 1/8" MIN Series Size III Receptacles

9, 10, 12 & 19 Conductor MIN Series Size III Receptacles, 16/18/22AWG



Front Mount Receptacles | 1/2"-14 NPT Threads | IP67 Rating



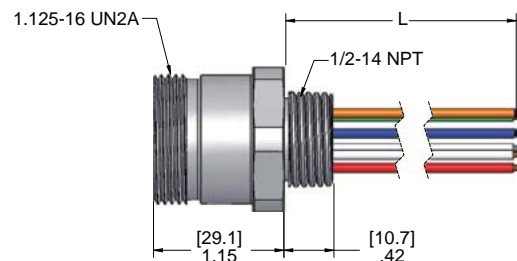
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
9	<p>1 1/8"-16UN2</p>	<p>North American</p> <p>1. Orange 6. Red 2. Blue 7. Green/Yellow 3. Red/Black 8. White/Black 4. Green/Black 9. Black 5. White</p>	300V 4A	16 AWG	MIN-9MR-1	MIN-9FR-1
			300V 4A	18 AWG	MIN-9MR-1-18	MIN-9FR-1-18
			300V 4A	22 AWG	MIN-9MR-1-22	MIN-9FR-1-22
10	<p>1 1/8"-16UN2</p>	<p>North American</p> <p>1. Orange 6. Orange/Black 2. Blue 7. Red 3. White/Black 8. Green/Yellow 4. Red/Black 9. Black 5. Green/Black 10. White</p>	300V 4A	16 AWG	MIN-10MR-1	MIN-10FR-1
			300V 4A	18 AWG	MIN-10MR-1-18	MIN-10FR-1-18
			300V 4A	22 AWG	MIN-10MR-1-22	MIN-10FR-1-22
12	<p>1 1/8"-16UN2</p>	<p>North American</p> <p>1. Orange 7. Blue/Black 2. Blue 8. Black/White 3. White/Black 9. Green/Yellow 4. Red/Black 10. Red 5. Green/Black 11. White 6. Orange/Black 12. Black</p>	300V 4A	16 AWG	MIN-12MR-1	MIN-12FR-1
			300V 4A	18 AWG	MIN-12MR-1-18	MIN-12FR-1-18
			300V 4A	22 AWG	MIN-12MR-1-22	MIN-12FR-1-22
19	<p>1 1/8"-16UN2</p>	<p>1. Violet 11. Black 2. Red 12. Green/Yellow*** 3. Gray 13. Yellow/Brown 4. Red/Blue 14. Brown/Green 5. Blue*** 15. White 6. Green 16. Yellow 7. Brown*** 17. Pink 8. White/Green 18. Gray/Brown 9. White/Yellow 19. Gray/Pink 10. White/Gray</p>	300V 8A	3 x 18 AWG	MIN-19MR-1	MIN-19FR-1
			300V 3A	16 x 22 AWG		

C
MIN Series Size III Receptacles

*** For the 19 pole, Blue, Brown and Green/Yellow are 18 AWG wires.
 12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.
 For stainless steel shell, add a "SS" suffix (e.g. MIN-9MR-1-18 becomes MIN-9MR-1-18-SS).
 Other wire gauges and color codes are available, please consult the factory.
 O-ring and lock nut are included on lead lengths of 15" or longer.

Specifications:

Shell: Clear Anodized Aluminum
 Insulator: 105° C, Oil Resistant Yellow PVC
 Contacts: Copper Alloy with Gold Plating
 Temperature: -40°C to +105°C (-40°F to +221°F)





1 1/8" MIN Series Size III Receptacles

9, 10, 12 & 19 Conductor MIN Series Size III Receptacles, 16/18/22AWG



Front Mount Receptacles | European PG Threads | IP67 Rating



C

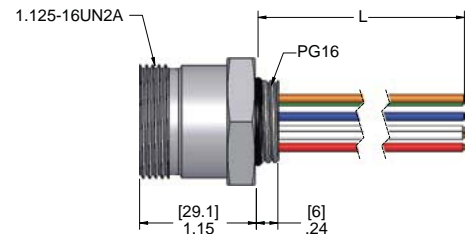
MIN Series Size III Receptacles

# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Mounting Threads	Male Receptacles	Female Receptacles
9	 1 1/8"-16UN2	North American 1. Orange 6. Red 2. Blue 7. Green/Yellow 3. Red/Black 8. White/Black 4. Green/Black 9. Black 5. White	300V 4A	16 AWG	PG 13.5	MIN-9MR-1-PG13.5	MIN-9FR-1-PG13.5
					PG 16	MIN-9MR-1-PG16	MIN-9FR-1-PG16
			300V 4A	18 AWG	PG 13.5	MIN-9MR-1-18-PG13.5	MIN-9FR-1-18-PG13.5
					PG 16	MIN-9MR-1-18-PG16	MIN-9FR-1-18-PG16
			300V 4A	22 AWG	PG 13.5	MIN-9MR-1-22-PG13.5	MIN-9FR-1-22-PG13.5
					PG 16	MIN-9MR-1-22-PG16	MIN-9FR-1-22-PG16
10	 1 1/8"-16UN2	North American 1. Orange 6. Orange/Black 2. Blue 7. Red 3. White/Black 8. Green/Yellow 4. Red/Black 9. Black 5. Green/Black 10. White	300V 4A	16 AWG	PG 13.5	MIN-10MR-1-PG13.5	MIN-10FR-1-PG13.5
					PG 16	MIN-10MR-1-PG16	MIN-10FR-1-PG16
			300V 4A	18 AWG	PG 13.5	MIN-10MR-1-18-PG13.5	MIN-10FR-1-18-PG13.5
					PG 16	MIN-10MR-1-18-PG16	MIN-10FR-1-18-PG16
			300V 4A	22 AWG	PG 13.5	MIN-10MR-1-22-PG13.5	MIN-10FR-1-22-PG13.5
					PG 16	MIN-10MR-1-22-PG16	MIN-10FR-1-22-PG16
12	 1 1/8"-16UN2	North American 1. Orange 7. Blue/Black 2. Blue 8. Black/White 3. White/Black 9. Green/Yellow 4. Red/Black 10. Red 5. Green/Black 11. White 6. Orange/Black 12. Black	300V 4A	16 AWG	PG 13.5	MIN-12MR-1-PG13.5	MIN-12FR-1-PG13.5
					PG 16	MIN-12MR-1-PG16	MIN-12FR-1-PG16
			300V 4A	18 AWG	PG 13.5	MIN-12MR-1-18-PG13.5	MIN-12FR-1-18-PG13.5
					PG 16	MIN-12MR-1-18-PG16	MIN-12FR-1-18-PG16
			300V 4A	22 AWG	PG 13.5	MIN-12MR-1-22-PG13.5	MIN-12FR-1-22-PG13.5
					PG 16	MIN-12MR-1-22-PG16	MIN-12FR-1-22-PG16
19	 1 1/8"-16UN2	1. Violet 11. Black 2. Red 12. Green/Yellow*** 3. Gray 13. Yellow/Brown 4. Red/Blue 14. Brown/Green 5. Blue*** 15. White 6. Green 16. Yellow 7. Brown*** 17. Pink 8. White/Green 18. Gray/Brown 9. White/Yellow 19. Gray/Pink 10. White/Gray	300V 8A	3 x 18 AWG	PG 13.5	MIN-19MR-1-PG13.5	MIN-19FR-1-PG13.5
					PG 16	MIN-19MR-1-PG16	MIN-19FR-1-PG16
			300V 3A	16 x 22 AWG	PG 13.5	MIN-19MR-1-PG13.5	MIN-19FR-1-PG13.5
					PG 16	MIN-19MR-1-PG16	MIN-19FR-1-PG16

*** For the 19 pole, Blue, Brown and Green/Yellow are 18 AWG wires.
 12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.
 Other wire gauges and color codes are available, please consult the factory.

Specifications:

Shell: Clear Anodized Aluminum
 Insulator: 105° C, Oil Resistant Yellow PVC
 Contacts: Copper Alloy with Gold Plating
 O-Ring: NBR
 Temperature: -40°C to +105°C (-40°F to +221°F)





1 1/8" MIN Series Size III Receptacles

9, 10, 12 & 19 Conductor MIN Series Size III Receptacles, 16/18/22AWG



Front Mount Receptacles | Metric Threads | IP67 Rating



# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Mounting Threads	Male Receptacles	Female Receptacles
9	<p>1 1/8"-16UN2</p>	<p>North American</p> <p>1. Orange 6. Red 2. Blue 7. Green/Yellow 3. Red/Black 8. White/Black 4. Green/Black 9. Black 5. White</p>	300V 4A	16 AWG	M20 x 1.5	MIN-9MR-1-M20	MIN-9FR-1-M20
					M25 x 1.5	MIN-9MR-1-M25	MIN-9FR-1-M25
			300V 4A	18 AWG	M20 x 1.5	MIN-9MR-1-18-M20	MIN-9FR-1-18-M20
					M25 x 1.5	MIN-9MR-1-18-M25	MIN-9FR-1-18-M25
			300V 4A	22 AWG	M20 x 1.5	MIN-9MR-1-22-M20	MIN-9FR-1-22-M20
					M25 x 1.5	MIN-9MR-1-22-M25	MIN-9FR-1-22-M25
10	<p>1 1/8"-16UN2</p>	<p>North American</p> <p>1. Orange 6. Orange/Black 2. Blue 7. Red 3. White/Black 8. Green/Yellow 4. Red/Black 9. Black 5. Green/Black 10. White</p>	300V 4A	16 AWG	M20 x 1.5	MIN-10MR-1-M20	MIN-10FR-1-M20
					M25 x 1.5	MIN-10MR-1-M25	MIN-10FR-1-M25
			300V 4A	18 AWG	M20 x 1.5	MIN-10MR-1-18-M20	MIN-10FR-1-18-M20
					M25 x 1.5	MIN-10MR-1-18-M25	MIN-10FR-1-18-M25
			300V 4A	22 AWG	M20 x 1.5	MIN-10MR-1-22-M20	MIN-10FR-1-22-M20
					M25 x 1.5	MIN-10MR-1-22-M25	MIN-10FR-1-22-M25
12	<p>1 1/8"-16UN2</p>	<p>North American</p> <p>1. Orange 7. Blue/Black 2. Blue 8. Black/White 3. White/Black 9. Green/Yellow 4. Red/Black 10. Red 5. Green/Black 11. White 6. Orange/Black 12. Black</p>	300V 4A	16 AWG	M20 x 1.5	MIN-12MR-1-M20	MIN-12FR-1-M20
					M25 x 1.5	MIN-12MR-1-M25	MIN-12FR-1-M25
			300V 4A	18 AWG	M20 x 1.5	MIN-12MR-1-18-M20	MIN-12FR-1-18-M20
					M25 x 1.5	MIN-12MR-1-18-M25	MIN-12FR-1-18-M25
			300V 4A	22 AWG	M20 x 1.5	MIN-12MR-1-22-M20	MIN-12FR-1-22-M20
					M25 x 1.5	MIN-12MR-1-22-M25	MIN-12FR-1-22-M25
300V 8A	3 x 18 AWG	M20 x 1.5	MIN-19MR-1-22-M20	MIN-19FR-1-22-M20			
		M25 x 1.5	MIN-19MR-1-22-M25	MIN-19FR-1-22-M25			

C
MIN Series Size III Receptacles

*** For the 19 pole, Blue, Brown and Green/Yellow are 18 AWG wires.

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

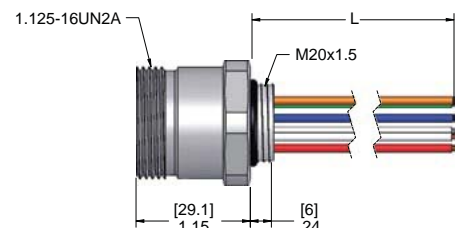
Stainless steel shell is available in M25. For stainless steel shell, add a "SS" suffix (e.g. MIN-9MR-1-18-M25 becomes MIN-9MR-1-18-M25-SS).

Other wire gauges and color codes are available, please consult the factory.

The M25 is available in Stainless Steel, please consult the factory for part number.

Specifications:

- Shell: Clear Anodized Aluminum
- Insulator: 105° C Oil Resistant Yellow PVC
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Temperature: -40°C to +105°C (-40°F to +221°F)





1 1/8" MIN Series Size III Receptacles

9, 10, 12 & 19 Conductor MIN Series Size III Receptacles, 16/18/22AWG

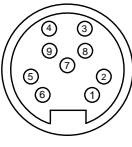
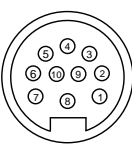
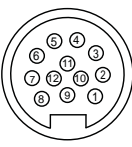
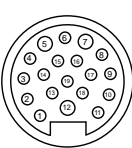


Back Mount Receptacles | IP67 Rating



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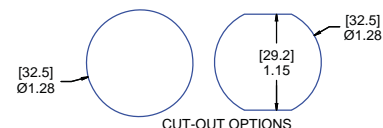
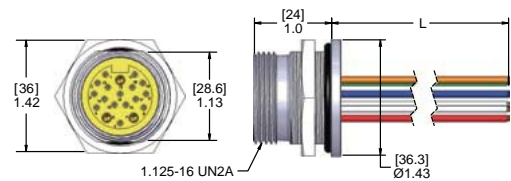
MIN Series Size III Receptacles

# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
9	 1 1/8"-16UN2	North American 1. Orange 6. Red 2. Blue 7. Green/Yellow 3. Red/Black 8. White/Black 4. Green/Black 9. Black 5. White	300V 4A	16 AWG	MIN-9MR-1-BM	MIN-9FR-1-BM
			300V 4A	18 AWG	MIN-9MR-1-18-BM	MIN-9FR-1-18-BM
			300V 4A	22 AWG	MIN-9MR-1-22-BM	MIN-9FR-1-22-BM
10	 1 1/8"-16UN2	North American 1. Orange 6. Orange/Black 2. Blue 7. Red 3. White/Black 8. Green/Yellow 4. Red/Black 9. Black 5. Green/Black 10. White	300V 4A	16 AWG	MIN-10MR-1-BM	MIN-10FR-1-BM
			300V 4A	18 AWG	MIN-10MR-1-18-BM	MIN-10FR-1-18-BM
			300V 4A	22 AWG	MIN-10MR-1-22-BM	MIN-10FR-1-22-BM
12	 1 1/8"-16UN2	North American 1. Orange 7. Blue/Black 2. Blue 8. Black/White 3. White/Black 9. Green/Yellow 4. Red/Black 10. Red 5. Green/Black 11. White 6. Orange/Black 12. Black	300V 4A	16 AWG	MIN-12MR-1-BM	MIN-12FR-1-BM
			300V 4A	18 AWG	MIN-12MR-1-18-BM	MIN-12FR-1-18-BM
			300V 4A	22 AWG	MIN-12MR-1-22-BM	MIN-12FR-1-22-BM
19	 1 1/8"-16UN2	1. Violet 11. Black 2. Red 12. Green/Yellow*** 3. Gray 13. Yellow/Brown 4. Red/Blue 14. Brown/Green 5. Blue*** 15. White 6. Green 16. Yellow 7. Brown*** 17. Pink 8. White/Green 18. Gray/Brown 9. White/Yellow 19. Gray/Pink 10. White/Gray	300V 8A	3 x 18 AWG	MIN-19MR-1-BM	MIN-19FR-1-BM
300V 3A	16 x 22 AWG					

*** For the 19 pole, Blue, Brown and Green/Yellow are 18 AWG wires.
 12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.
 Other color codes available, please consult the factory.

Specifications:

Shell: Clear Anodized Aluminum
 Insulator: 105° C, Oil Resistant Yellow PVC
 Contacts: Copper Alloy with Gold Plating
 O-Ring: NBR
 Temperature: -40°C to +105°C (-40°F to +221°F)





1 1/8" MIN Series Size III Accessories

MIN Series Size III Jam Nuts



PG & Metric Threads

Jam Nuts					
Style	Part #	Thread	A	Thickness	Material
	213M	PG 13.5	21 mm	3.0 mm	Nickel Plated Brass
	216M	PG 16	26 mm	3.0 mm	Nickel Plated Brass
	2M20M	M20 x 1.5	24 mm	3.0 mm	Nickel Plated Brass
	2M25M	M25 x 1.5	24 mm	3.0 mm	Nickel Plated Brass
	2M32M	M32 x 1.5	36 mm	4 mm	Nickel Plated Brass
Lock Nut					
	212M	1/2" NPT	28.5 mm	3.3 mm	Zinc Plated brass

C

MIN Series Size III Receptacles



Notes:

C

MIN Series Size III Receptacles



MIN Power Series Cordsets

MIN Power Series Cordset Part Number Matrix



Not all options available with all cordsets, please consult factory.

MINH - - - -

Number of Conductors

- 3
- 4
- 7

Coupling Nut

- Blank = Aluminum or Nickel plated brass
- SS = Stainless Steel

R/A or Straight

- Blank = Straight *
- R = Right Angle **

* Unless the Connector Configuration is MFRP or MRFP

** If single ended cable, right angle connector to flying leads
If double ended cable, right angle on both connectors

Length in Meter

- 1M
- 2M
- 4M
- 5M
- 6M
- 10M
- 15M

Other lengths are available by request.

Connector Configuration

- MP = Male Plug
- FP = Female Plug
- MFP = Male / Female Extension
- MFRP = Male Straight / Female Right Angle
- MRFP = Male Right Angle / Female Straight

D

MIN Power Cordsets



7/8" MIN Power Series Cordsets

3 & 4 Conductor MIN Power Series Size I Cordsets, 14AWG



Straight & Right Angle Cordsets | 600 Volt, 18 amps | 600 Volt, 15 amps | IP67 Rating



D MIN Power Cordsets

Male Straight					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MINH-3MP-**	Gray PVC STOOW 3 X 14 AWG 600V, 18A -40°C to +105°C 13.7mm OD	Industry Standard PVC	North American 1. Green/Yellow 2. Black 3. White	 7/8"-16UN2
	MINH-4MP-**	Gray PVC STOOW 4 X 14 AWG 600V, 15A -40°C to +105°C 14.9mm OD	Industry Standard PVC	North American 1. Black 2. White 3. Red 4. Green/Yellow	 7/8"-16UN2
Female Straight					
	MINH-3FP-**	Gray PVC STOOW 3 X 14 AWG 600V, 18A -40°C to +105°C 13.7mm OD	Industry Standard PVC	North American 1. Green/Yellow 2. Black 3. White	 7/8"-16UN2
	MINH-4FP-**	Gray PVC STOOW 4 X 14 AWG 600V, 15A -40°C to +105°C 14.9mm OD	Industry Standard PVC	North American 1. Black 2. White 3. Red 4. Green/Yellow	 7/8"-16UN2
Female Right Angle					
	MINH-3FP-**-R	Gray PVC STOOW 3 X 14 AWG 600V, 18A -40°C to +105°C 13.7mm OD	Industry Standard PVC	North American 1. Green/Yellow 2. Black 3. White	 7/8"-16UN2
	MINH-4FP-**-R	Gray PVC STOOW 4 X 14 AWG 600V, 15A -40°C to +105°C 14.9mm OD	Industry Standard PVC	North American 1. Black 2. White 3. Red 4. Green/Yellow	 7/8"-16UN2

** Lengths in meters. Standard cable lengths are 1, 2, 5, 10 & 15 meters. Consult the factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless coupling nut add a "-SS" suffix. (e.g. MINH-4FP-3 becomes MINH-4FP-3-SS)



1" MIN Power Series Cordsets

7 Conductor MIN Mixed Power Series Size II Cordsets, 14/18AWG



Straight Cordsets | 600 Volt, 10 & 5 amps | IP67 Rating



Male Cordsets					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MINH-7MPX-**	Yellow PVC AWM 2 X 14 AWG 600V, 10A 5 X 18 AWG 600V, 5A -40°C to +105°C 12.1mm OD	Industry Standard PVC	North American 1. White/Black 2. Black*** 3. White*** 4. Red 5. Orange 6. Blue 7. Green/Yellow	 1"-16UN2
Female Cordsets					
	MINH-7FPX-**	Yellow PVC AWM 2 X 14 AWG 600V, 10A 5 X 18 AWG 600V, 5A -40°C to +105°C 12.1mm OD	Industry Standard PVC	North American 1. White/Black 2. Black*** 3. White*** 4. Red 5. Orange 6. Blue 7. Green/Yellow	 1"-16UN2

D
MIN Power Cordsets

** Lengths in meters. Standard cable lengths are 1, 2, 5, 10 & 15 meters. Consult the factory for other lengths.

*** Black and White wires are 14 AWG.

Standard coupling nut is anodized aluminum, for stainless coupling nut add a "-SS" suffix. (e.g. MINH-7FPX-3 becomes MINH-7FPX-3-SS)



MIN Power Series Extension Cables

3, 4 & 7 Conductor MIN Power Series Extension Cables, 14/18AWG



Double Ended Cordsets | 600V, 18A | 600V, 15A | 600V, 10 & 5A | IP67 Rating



D

MIN Power Cordsets

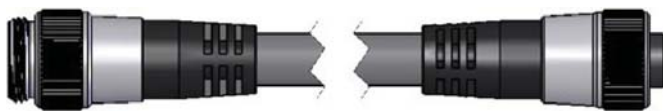
Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
<p>7/8"-16UN2</p>	MINH-3MFP-**	7/8" Size I Gray PVC STOOW 3 X 14 AWG 600V, 18A -40°C to +105°C 13.7mm OD	Industry Standard PVC	North American 1. Green/Yellow 2. Black 3. White	<p>7/8"-16UN2</p>
<p>7/8"-16UN2</p>	MINH-4MFP-**	7/8" Size I Gray PVC STOOW 4 X 14 AWG 600V, 15A -40°C to +105°C 14.9mm OD	Industry Standard PVC	North American 1. Black 2. White 3. Red 4. Green/Yellow	<p>7/8"-16UN2</p>
<p>1"-16UN2</p>	MINH-7MFPX-**	1" Size II Yellow PVC AWM 2 X 14 AWG 600V, 10A 5 X 18 AWG 600V, 5A -40°C to +105°C 12.1mm OD	Industry Standard PVC	North American 1. White/Black 2. Black*** 3. White*** 4. Red 5. Orange 6. Blue 7. Green/Yellow	<p>1"-16UN2</p>

** Lengths in meters. Standard cable lengths are 1, 2, 5, 10 & 15 meters. Consult the factory for other lengths.

*** Black and White wires are 14 AWG.

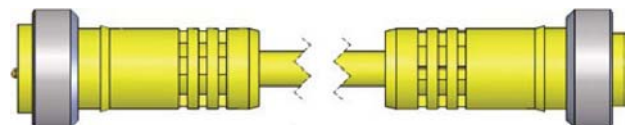
Standard coupling nuts are nickel plated brass for 3 & 4 pin and anodized aluminum for 7 pin, for stainless coupling nut add a "-SS" suffix. (e.g. MINH-4MFP-3 becomes MINH-4MFP-3-SS)

For extension cables with right angle female ends, please consult the factory.



3 & 4 Conductors

Male (Male Threads) - Female (Female Threads)



7 Conductors

Male (Female Threads) - Female (Female Threads)



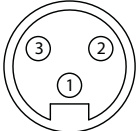
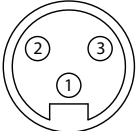
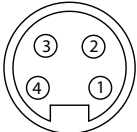
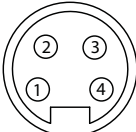
7/8" MIN Power Series Size I "T" Connectors

3 & 4 Conductor MIN Power Series Size I "T" Connectors



"T" Connectors | 600 Volt, 18 amps | 600 Volt, 15 amps | IP67 Rating



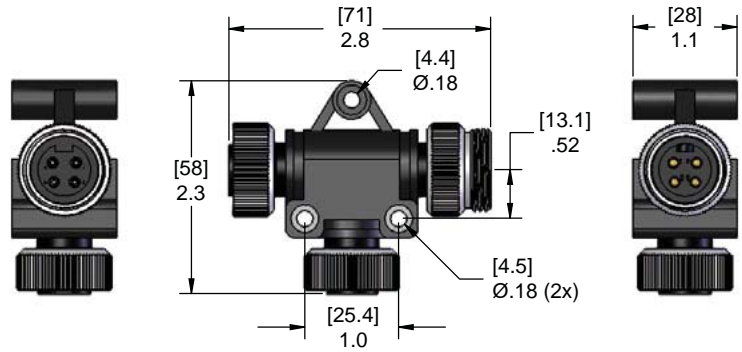
# of Poles	Male Faceview	Rating	Part Number	Wiring	Female Faceview
3	 7/8"-16UN2	600V 18A	MINH-3MFF-T-B	1 to 1 to 1 2 to 2 to 2 3 to 3 to 3	 7/8"-16UN2
4	 7/8"-16UN2	600V 15A	MINH-4MFF-T-B	1 to 1 to 1 2 to 2 to 2 3 to 3 to 3 4 to 4 to 4	 7/8"-16UN2

D
MIN Power Cordsets

Stainless Steel Couplings available; please consult the factory for part number and availability.

Specifications:

- Body: Oil Resistant PVC
- Contacts: Copper Alloy with Gold Plating
- Coupling Nut: Clear Anodized Aluminum
- Temperature: -40°C to +105°C (-40°F to +221°F)



ALL THREADS 7/8-16 UN



7/8" MIN Power Series Accessories

3 & 4 Conductor MIN Power Series Accessories



Closure Caps & Plugs | Adapter Coupling | Plug | IP67 Rating

D

MIN Power Cordsets

Metal/Plastic Closure Caps				
Closure Style	Part Number	Material	Threads	Mounting Hole Size
	MIN-CAP	Nickel Plated Brass	Female	0.13"
	MIN-CAP-CBLY	Nickel Plated Brass	Female	1.3" (For Use on Cables)
	MIN-CAP-PASW	Polyamide NBR with Tether	Female	0.76"
Metal Closure Plugs				
	MIN-PLUG	Nickel Plated Brass	Male	0.13"
	MIN-PLUG-CBLY	Nickel Plated Brass	Male	1.3" (For Use on Cables)
	MIN-PLUG-NC	Clear Anodized Aluminum	Male	N/A

NBR tether and stainless steel lanyard are available for all MIN-CAP and MIN-PLUG. Please consult the factory for part number and availability. Tether of plastic cap mounts under receptacles with 1/2" NPT or M20 mounting threads and also serves as a gasket. For male plugs with male threads, tether will attach to the plug.

Adapter Coupling	Part Number	Material	Threads
	MIN-XMP-AD	Nickel Plated Brass	Male
	MIN-XMP D-SS	Stainless Steel	



1" MIN Power Series Accessories

7 Conductor MIN Power Series Accessories



Closure Caps & Plugs | Adapter Coupling | IP67 Rating

Metal/Plastic Closure Caps				
Closure Style	Part Number	Material	Threads	Mounting Hole Size
	MIN-2-CAP	Nickel Plated Brass	Female	0.13"
	MIN-2-CAP-CBLY	Nickel Plated Brass	Female	1.3"
	MIN-2-CAP-PASW	Polyamide NBR with Tether	Female	0.76"
Metal Closure Plugs				
	MIN-2-PLUG	Nickel Plated Brass	Male	0.13"
	MIN-2-PLUG-CBLY	Nickel Plated Brass	Male	1.3"

D
MIN Power Cordsets

NBR tether and stainless steel lanyard are available for all MIN-2-CAP and MIN-2-PLUG. Please consult the factory for part number and availability. Tether of plastic cap mounts under receptacles with 1/2" NPT or M20 mounting threads and also serves as a gasket. For male plugs with male threads, tether will attach to the plug.

Adapter Coupling	Part Number	Material	Threads
	MIN-XMP2-AD	Nickel Plated Brass	Male
	MIN-XMP2-AD-SS	Stainless Steel	



Notes:

D

MIN Power Cordsets



MIN Power Series Receptacles

MIN Power Series Size Receptacle Part Number Matrix



Not all options available with all receptacles, please consult factory.

MINH - - - - -

Number of Conductors

3
4
7

Connector Configuration

FR = Female Receptacle
FRM = Female Receptacle w/ Male Threads
MR = Male Receptacle

Length in Meter

Shell Material

Blank = Aluminum or Nickel plated brass
SS = Stainless Steel

Mounting Style

Blank = Front Mount 1/2"-14 NPT
M16 = Front Mount Metric 16 Threads
M20 = Front Mount Metric 20 Threads

Wire AWG

Blank = 14 AWG
14 & 18 AWG (7 pole only)
18 = 18 AWG
22 = 22 AWG

D

MIN Power Receptacles



MIN Power Series Receptacles

MIN Power Series Receptacle Index

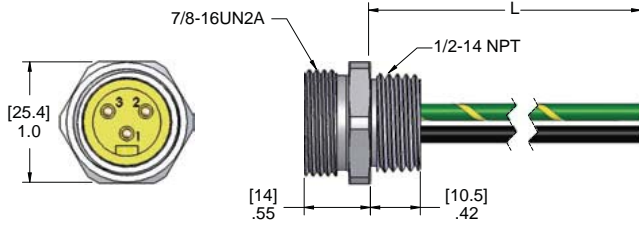


Front Mount | 1/2"-14NPT | Metric Threads

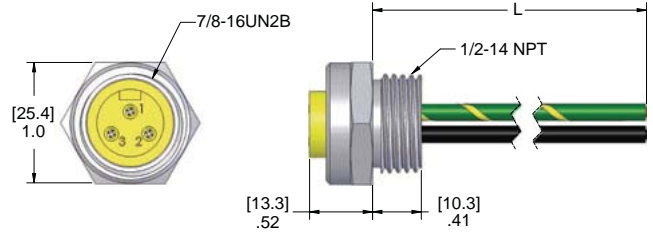
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MIN Power Receptacles

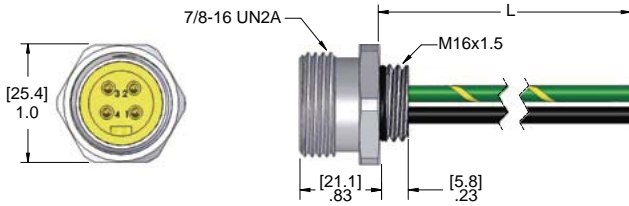
MIN Size I, Front Mount, Male, 1/2"-14NPT Page D-11



MIN Size I, Front Mount, Female, 1/2"-14NPT Page D-11

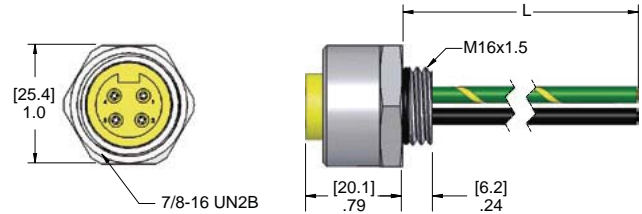


MIN Size I, Front Mount, Male, Metric Threads Page D-11

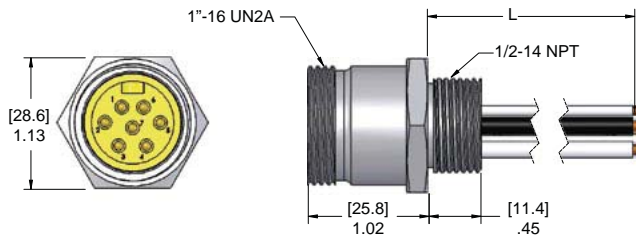


M16 threads shown - M20 threads also available.

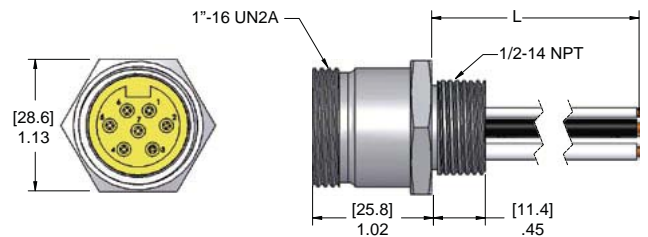
MIN Size I, Front Mount, Female, Metric Threads Page D-11



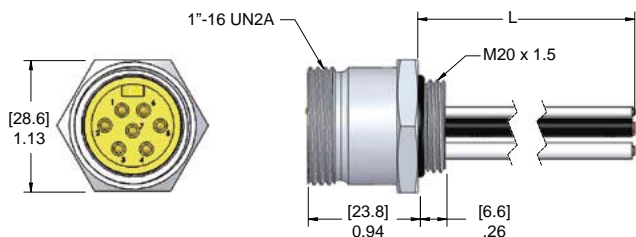
MIN Size II, Front Mount, Male, 1/2"-14NPT Page D-12



MIN Size II, Front Mount, Female, 1/2"-14NPT Page D-12



MIN Size II, Front Mount, Male, Metric Threads Page D-12





7/8" MIN Power Series Size I Receptacles

3 & 4 Conductor MIN Power Series Size I Receptacles, 14AWG



Front Mount Receptacles | 1/2"-14 NPT Threads | Metric Threads | IP67 Rating



# of Poles	Male Faceview	Color Code	Wire AWG Rating	Mounting Threads	Male Receptacles	Female Receptacles
3	<p>7/8"-16UN2</p>	North American 1. Green/Yellow 2. Black 3. White	14 AWG 600V 18A	1/2" NPT	MINH-3MR-**	MINH-3FR-**
				M16 x 1.5	MINH-3MR-**-M16	MINH-3FR-**-M16
				M20 x 1.5	MINH-3MR-**-M20	N/A
4	<p>7/8"-16UN2</p>	North American 1. Black 2. White 3. Red 4. Green/Yellow	14 AWG 600V 15A	1/2" NPT	MINH-4MR-**	MINH-4FR-**
				M16 x 1.5	MINH-4MR-**-M16	MINH-4FR-**-M16
				M20 x 1.5	MINH-4MR-**-M20	N/A

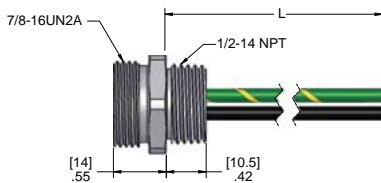
D
MIN Power Receptacles

** Length in meters. 0.3m leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

O-ring included on all metric threads. Lock nut included on lead length of 18" or more.

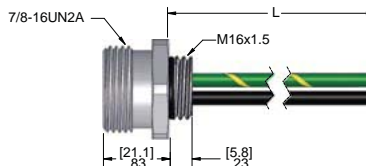
For 1/2" receptacles with lengths of 15" or longer O-ring and lock nut are included.

1/2"-14 NPT Threads



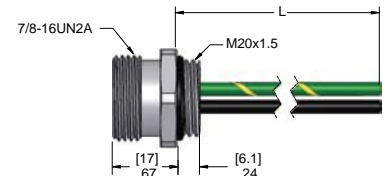
Male Receptacles

M16 Threads

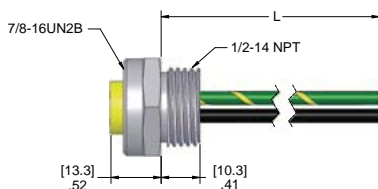


Male Receptacles

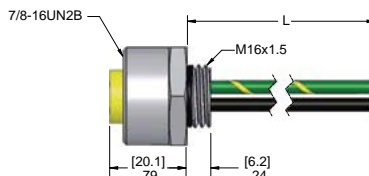
M20 Threads



Male Receptacles



Female Receptacles



Female Receptacles

Specifications:

Shell: Clear Anodized Aluminum
 Insulator: 105°C, Oil Resistant Yellow PVC
 Wire: 14 AWG: UL Style 1015, 600V

Contacts: Copper Alloy with Gold Plating
 O-Ring: NBR
 Temperature: -40°C to 105°C (-40°F to +221°F)



1" MIN Power Series Cordsets

7 Conductor MIN Power Series Cordsets, 14/18AWG



Front Mount Receptacles | 1/2"-14 NPT Threads | Metric Threads | IP67 Rating



D
MIN Power Receptacles

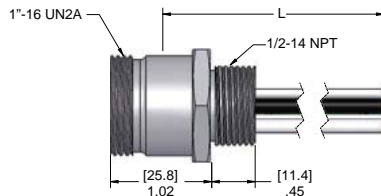
# of Poles	Male Faceview	Color Code	Wire AWG Rating	Mounting Threads	Male Receptacles	Female Receptacles
7	<p>1"-16UN2</p>	North American 1. White/Black 2. Black*** 3. White*** 4. Red 5. Orange 6. Blue 7. Green/Yellow	2x14 AWG 5x18 AWG 300V 5A	1/2" NPT	MINH-7MR-**	MINH-7FR-**
				M20 x 1.5	MINH-7MR-**-M20	N/A

** Length in meters. 0.3m leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

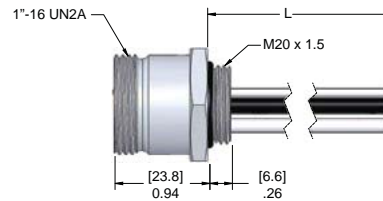
*** Black and White wires are 14 AWG.

For 1/2" receptacles with lengths of 15" or longer O-ring and lock nut are included.

1/2"-14 NPT Threads



M20 Threads



Specifications:

- Shell: Clear Anodized Aluminum
- Insulator: 105°C, Oil Resistant Yellow PVC
- Wire: 14 AWG: UL Style 1015, 600V
18 AWG: UL Style 1007, 300V
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Temperature: -40°C to 105°C (-40°F to +221°F)



MIN Power Series Accessories

MIN Power Series Receptacle Jam & Lock Nuts



NPT Threads | Metric Threads

Jam Nuts					
Style	Part #	Thread	A	Thickness	Material
	2M16M	M16 x 1.5	19 mm	2.8 mm	Brass Nickel Plate
	2M20M	M20 x 1.5	24 mm	3.0 mm	Brass Nickel Plate
Lock Nut					
	212M	1/2" NPT	28.5 mm	3.3 mm	Steel Zinc Plate

D
MIN Power Receptacles



MIN Power Series Accessories

MIN Series Power Size I Lock & Lockout



MIN Size I Lock & Lockout | Plug to Receptacle

D

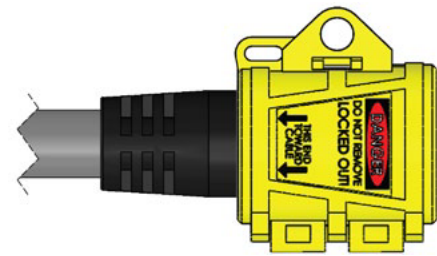
MIN Power Receptacles

MIN Size I Lockout	Part Number	Connection	Material
	MIN-LOCKOUT	7/8" MIN Size I Plug	Polyamide
MIN Size I Lock	Part Number	Connection	Material
	MIN-LOCK	7/8" MIN Size I Plug to Receptacle	Polyamide

MIN-LOCK is designed to secure the connection between a straight MIN Size I plug and a mating receptacle. To open lock, insert small flat blade screwdriver into the slot below the padlock hole.



MINH Size I Plug to Receptacle Only



MIN Size I Plug Lockout



1 3/8" MIN Power Series Cordsets

PMIN Series Cordset Part Number Matrix



Not all options available with all cordsets, please consult factory.

PMIN - - - -

Cable Type

Blank = PVC
W = TPE
WB = TPE / Braided Shield

Number of Conductors

3
4
45

Wire AWG

0 = 10 AWG
2 = 12 AWG
4 = 14 AWG

Connector Configuration

MP = Male Plug
FP = Female Plug
MFP = Male / Female Extension
MFRP = Male Straight / Female Right Angle
MRFP = Male Right Angle / Female Straight

Cable Style

Blank = PVC
C011 = TC-ER, FT4

R/A or Straight

Blank = Straight *
R = Right Angle **

* Unless the Connector Configuration is MFRP or MRFP
** If single ended cable, right angle connector to flying leads
If double ended cable, right angle on both connector

Length in Meter

1M
2M
4M
5M
6M
10M
15M

Other lengths are available by request.

D

PMIN Cordsets



1 3/8" MIN Power Series Cordsets

3 Conductor MIN Power Series Cordsets, 10, 12 & 14AWG



Straight Male Cordsets | 600 Volt | IP67 Rating



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Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	PMIN-30MP-**	Gray PVC STOOW 3 X 10 AWG 600V, 30A -40°C to +105°C 16.6mm OD	Industry Standard PVC	North American 1. Green/Yellow 2. Black 3. White	 1.375"-16UN2
	PMIN-34MP-**	Gray PVC STOOW 3 X 14 AWG 600V, 18A -40°C to +105°C 13.6mm OD			
	PMINW-30MP-**-C011	Black TPE TC-ER 3 X 10AWG 600V, 30A -40°C to +90°C 11.9mm OD	TC-ER, FT4 Weld Slag Resistant TPE	North American 1. Green/Yellow 2. Black 3. White	 1.375"-16UN2
	PMINW-32MP-**-C011	Black TPE TC-ER 3 X 12AWG 600V, 25A -40°C to +90°C 10.2mm OD			
	PMINW-34MP-**-C011	Black TPE TC-ER 3 X 14AWG 600V, 18A -40°C to +90°C 8.89mm OD			

** Lengths in meters. Standard cable lengths are 1, 2, 5, 10 & 15 meters. Consult the factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling add -SS suffix. (e.g. PMIN-30MP-1M becomes PMIN-30MP-1M-SS)



1 3/8" MIN Power Series Cordsets

3 Conductor MIN Power Series Cordsets, 10, 12 & 14AWG



Straight Female Cordsets | 600 Volt | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	PMIN-30FP-**	Gray PVC STOOW 3 X 10 AWG 600V, 30A -40°C to +105°C 16.6mm OD	Industry Standard PVC	North American 1. Green/Yellow 2. Black 3. White	
	PMIN-34FP-**	Gray PVC STOOW 3 X 14 AWG 600V, 18A -40°C to +105°C 13.6mm OD			
	PMINW-30FP-**-C011	Black TPE TC-ER 3 X 10AWG 600V, 30A -40°C to +90°C 11.9mm OD	TC-ER, FT4 Weld Slag Resistant TPE	North American 1. Green/Yellow 2. Black 3. White	
	PMINW-32FP-**-C011	Black TPE TC-ER 3 X 12AWG 600V, 25A -40°C to +90°C 10.2mm OD			
	PMINW-34FP-**-C011	Black TPE TC-ER 3 X 14AWG 600V, 18A -40°C to +90°C 8.89mm OD			

D
PMIN Cordsets

** Lengths in meters. Standard cable lengths are 1, 2, 5, 10 & 15 meters. Consult the factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling add -SS suffix. (e.g. PMIN-30FP-1M becomes PMIN-30FP-1M-SS)



1 3/8" MIN Power Series Cordsets

4 & 5 Conductor MIN Power Series Cordsets, 10, 12 & 14AWG



Straight Male Cordsets | 600 Volt | IP67 Rating



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Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	PMIN-40MP-**	Gray PVC STOOW 4 X 10 AWG 600V, 25A -40°C to +105°C 18mm OD	Industry Standard PVC	North American 1. Black 2. Green/Yellow 3. Red 4. White	 1.375"-16UN2
	PMIN-44MP-**	Gray PVC STOOW 4 X 14 AWG 600V, 15A -40°C to +105°C 14.7mm OD			
	PMINW-40MP-**-C011	Black TPE TC-ER 4 X 10 AWG 600V, 25A -40°C to +90°C 13.2 mm OD	TC-ER, FT4 Weld Slag Resistant TPE	North American 1. Black 2. Green/Yellow 3. Red 4. White	 1.375"-16UN2
	PMINW-42MP-**-C011	Black TPE TC-ER 4 X 12 AWG 600V, 20A -40°C to +90°C 10.9mm OD			
	PMINW-44MP-**-C011	Black TPE TC-ER 4 X 14 AWG 600V, 15A -40°C to +90°C 9.7mm OD			
	PMINWB-450MP-**-C011	Black TPE TC-ER With Braided Shield 4 X 10 AWG 1 x 14 AWG (Drain) 600V, 25A -40°C to +90°C 13.1 mm OD	TC-ER, FT4 Weld Slag Resistant TPE Braided Shield	North American 1. Black 2. Green/Yellow 3. Red 4. White 5. Drain	 1.375"-16UN2

** Lengths in meters. Standard cable lengths are 1, 2, 5, 10 & 15 meters. Consult the factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling add -SS suffix. (e.g. PMIN-40MP-1M becomes PMIN-40MP-1M-SS)



1 3/8" MIN Power Series Cordsets

4 & 5 Conductor MIN Power Series Cordsets, 10, 12 & 14AWG



Straight Female Cordsets | 600 Volt | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	PMIN-40FP-**	Gray PVC STOOW 4 X 10 AWG 600V, 25A -40°C to +105°C 18mm OD	Industry Standard PVC	North American 1. Black 2. Green/Yellow 3. Red 4. White	 1.375"-16UN2
	PMIN-44FP-**	Gray PVC STOOW 4 X 14 AWG 600V, 15A -40°C to +105°C 14.7mm OD			
	PMINW-40FP-**-C011	Black TPE TC-ER 4 X 10 AWG 600V, 25A -40°C to +90°C 13.2 mm OD	TC-ER, FT4 Weld Slag Resistant TPE	North American 1. Black 2. Green/Yellow 3. Red 4. White	 1.375"-16UN2
	PMINW-42FP-**-C011	Black TPE TC-ER 4 X 12 AWG 600V, 20A -40°C to +90°C 10.9mm OD			
	PMINW-44FP-**-C011	Black TPE TC-ER 4 X 14 AWG 600V, 15A -40°C to +90°C 9.7mm OD			
	PMINWB-450FP-**-C011	Black TPE TC-ER With Braided Shield 4 X 10 AWG 1 x 14 AWG (Drain) 600V, 25A -40°C to +90°C 13.1 mm OD	TC-ER, FT4 Weld Slag Resistant TPE Braided Shield	North American 1. Black 2. Green/Yellow 3. Red 4. White 5. Drain	 1.375"-16UN2

D
PMIN Cordsets

** Lengths in meters. Standard cable lengths are 1, 2, 5, 10 & 15 meters. Consult the factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling add -SS suffix. (e.g. PMIN-40FP-1M becomes PMIN-40FP-1M-SS)



1 3/8" MIN Power Series Cordsets

3 Conductor MIN Power Series Cordsets, 10, 12 & 14AWG



Right Angle Male Cordsets | 600 Volt | IP67 Rating



D

PMIN Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	PMIN-30MP-**-R	Gray PVC STOOW 3 X 10 AWG 600V, 30A -40°C to +105°C 16.6mm OD	Industry Standard PVC	North American 1. Green/Yellow 2. Black 3. White	 1.375"-16UN2
	PMIN-34MP-**-R	Gray PVC STOOW 3 X 14 AWG 600V, 18A -40°C to +105°C 13.6mm OD			
	PMINW-30MP-**-R-C011	Black TPE TC-ER 3 X 10AWG 600V, 30A -40°C to +90°C 11.9mm OD	TC-ER, FT4 Weld Slag Resistant TPE	North American 1. Green/Yellow 2. Black 3. White	 1.375"-16UN2
	PMINW-32MP-**-R-C011	Black TPE TC-ER 3 X 12AWG 600V, 25A -40°C to +90°C 10.2mm OD			
	PMINW-34MP-**-R-C011	Black TPE TC-ER 3 X 14AWG 600V, 18A -40°C to +90°C 8.89mm OD			

** Lengths in meters. Standard cable lengths are 1, 2, 5, 10 & 15 meters. Consult the factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling add -SS suffix. (e.g. PMIN-30MP-1M-R becomes PMIN-30MP-1M-R-SS)



1 3/8" MIN Power Series Cordsets

3 Conductor MIN Power Series Cordsets, 10, 12 & 14AWG



Right Angle Female Cordsets | 600 Volt | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	PMIN-30FP-**-R	Gray PVC STOOW 3 X 10 AWG 600V, 30A -40°C to +105°C 16.6mm OD	Industry Standard PVC	North American 1. Green/Yellow 2. Black 3. White	 1.375"-16UN2
	PMIN-34FP-**-R	Gray PVC STOOW 3 X 14 AWG 600V, 18A -40°C to +105°C 13.6mm OD			
	PMINW-30FP-**-R-C011	Black TPE TC-ER 3 X 10AWG 600V, 30A -40°C to +90°C 11.9mm OD	TC-ER, FT4 Weld Slag Resistant TPE	North American 1. Green/Yellow 2. Black 3. White	 1.375"-16UN2
	PMINW-32FP-**-R-C011	Black TPE TC-ER 3 X 12AWG 600V, 25A -40°C to +90°C 10.2mm OD			
	PMINW-34FP-**-R-C011	Black TPE TC-ER 3 X 14AWG 600V, 18A -40°C to +90°C 8.89mm OD			

D
PMIN Cordsets

** Lengths in meters. Standard cable lengths are 1, 2, 5, 10 & 15 meters. Consult the factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling add -SS suffix. (e.g. PMIN-30FP-1M-R becomes PMIN-30FP-1M-R-SS)



1 3/8" MIN Power Series Cordsets

4 & 5 Conductor MIN Power Series Cordsets, 10, 12 & 14AWG



Right Angle Male Cordsets | 600 Volt | IP67 Rating



D

PMIN Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	PMIN-40MP-**-R	Gray PVC STOOW 4 X 10 AWG 600V, 25A -40°C to +105°C 18mm OD	Industry Standard PVC	North American 1. Black 2. Green/Yellow 3. Red 4. White	 1.375"-16UN2
	PMIN-44MP-**-R	Gray PVC STOOW 4 X 14 AWG 600V, 15A -40°C to +105°C 14.7mm OD			
	PMINW-40MP-**-R-C011	Black TPE TC-ER 4 X 10 AWG 600V, 25A -40°C to +90°C 13.2 mm OD	TC-ER, FT4 Weld Slag Resistant TPE	North American 1. Black 2. Green/Yellow 3. Red 4. White	 1.375"-16UN2
	PMINW-42MP-**-R-C011	Black TPE TC-ER 4 X 12 AWG 600V, 20A -40°C to +90°C 10.9mm OD			
	PMINW-44MP-**-R-C011	Black TPE TC-ER 4 X 14 AWG 600V, 15A -40°C to +90°C 9.7mm OD			
	PMINWB-450MP-**-R-C011	Black TPE TC-ER With Braided Shield 4 X 10 AWG 1 x 14 AWG (Drain) 600V, 25A -40°C to +90°C 13.1 mm OD	TC-ER, FT4 Weld Slag Resistant TPE Braided Shield	North American 1. Black 2. Green/Yellow 3. Red 4. White 5. Drain	 1.375"-16UN2

** Lengths in meters. Standard cable lengths are 1, 2, 5, 10 & 15 meters. Consult the factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling add -SS suffix. (e.g. PMIN-40MP-1M-R becomes PMIN-40MP-1M-R-SS)



1 3/8" MIN Power Series Cordsets

4 & 5 Conductor MIN Power Series Cordsets, 10, 12 & 14AWG



Right Angle Female Cordsets | 600 Volt | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	PMIN-40FP-**-R	Gray PVC STOOW 4 X 10 AWG 600V, 25A -40°C to +105°C 18mm OD	Industry Standard PVC	North American 1. Black 2. Green/Yellow 3. Red 4. White	 1.375"-16UN2
	PMIN-44FP-**-R	Gray PVC STOOW 4 X 14 AWG 600V, 15A -40°C to +105°C 14.7mm OD			
	PMINW-40FP-**-R-C011	Black TPE TC-ER 4 X 10 AWG 600V, 25A -40°C to +90°C 13.2 mm OD	TC-ER, FT4 Weld Slag Resistant TPE	North American 1. Black 2. Green/Yellow 3. Red 4. White	 1.375"-16UN2
	PMINW-42FP-**-R-C011	Black TPE TC-ER 4 X 12 AWG 600V, 20A -40°C to +90°C 10.9mm OD			
	PMINW-44FP-**-R-C011	Black TPE TC-ER 4 X 14 AWG 600V, 15A -40°C to +90°C 9.7mm OD			
	PMINWB-450FP-**-R-C011	Black TPE TC-ER With Braided Shield 4 X 10 AWG 1 x 14 AWG (Drain) 600V, 25A -40°C to +90°C 13.1 mm OD	TC-ER, FT4 Weld Slag Resistant TPE Braided Shield	North American 1. Black 2. Green/Yellow 3. Red 4. White 5. Drain	 1.375"-16UN2

D
PMIN Cordsets

** Lengths in meters. Standard cable lengths are 1, 2, 5, 10 & 15 meters. Consult the factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling add -SS suffix. (e.g. PMIN-40FP-1M-R becomes PMIN-40FP-1M-R-SS)



1 3/8" MIN Power Series Cordsets

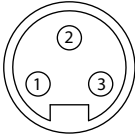
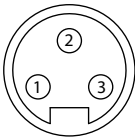
3 Conductor MIN Power Series Cordsets, 10, 12 & 14AWG



Double Ended Cordsets | 600 Volt | IP67 Rating



D
PMIN Cordsets

Male Faceview	Cables	Straight Male to Straight Female	Right Angle Male to Right Angle Female	Right Angle Male to Straight Female	Straight Male to Right Angle Female
 1.375"-16UN2	Gray PVC ST00W 3 X 10 AWG 600V, 30A -40°C to +105°C 16.6mm OD	PMIN-30MFP-**	PMIN-30MFP-**-R	PMIN-30MRFP-**	PMIN-30MFRP-**
	Gray PVC ST00W 3 X 14 AWG 600V, 18A -40°C to +105°C 13.6mm OD	PMIN-34MFP-**	PMIN-34MFP-**-R	PMIN-34MRFP-**	PMIN-34MFRP-**
 1.375"-16UN2	Black TPE TC-ER 3 X 10AWG 600V, 30A -40°C to +90°C 11.9mm OD	PMINW-30MFP-**-C011	PMINW-30MFP-**-R-C011	PMINW-30MRFP-**-C011	PMINW-30MFRP-**-C011
	Black TPE TC-ER 3 X 12AWG 600V, 25A -40°C to +90°C 10.2mm OD	PMINW-32MFP-**-C011	PMINW-32MFP-**-R-C011	PMINW-32MRFP-**-C011	PMINW-32MFRP-**-C011
	Black TPE TC-ER 3 X 14AWG 600V, 18A -40°C to +90°C 8.89mm OD	PMINW-34MFP-**-C011	PMINW-34MFP-**-R-C011	PMINW-34MRFP-**-C011	PMINW-34MFRP-**-C011

** Lengths in meters. Standard cable lengths are 1, 2, 5, 10 & 15 meters. Consult the factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling add -SS suffix. (e.g. PMIN-30MFP-1M becomes PMIN-30MFP-1M-SS)

Straight

Right Angle



Male Plug

Female Plug

Male Plug

Female Plug



1 3/8" MIN Power Series Cordsets

4 & 5 Conductor MIN Power Series Cordsets, 10, 12 & 14AWG



Double Ended Cordsets | 600 Volt | IP67 Rating



Male Faceview	Cables	Straight Male to Straight Female	Right Angle Male to Right Angle Female	Right Angle Male to Straight Female	Straight Male to Right Angle Female
<p>1.375"-16UN2</p>	Gray PVC STOOW 4 X 10 AWG 600V, 25A -40°C to +105°C 18mm OD	PMIN-40MFP-**	PMIN-40MFP-**-R	PMIN-40MRFP-**	PMIN-40MFRP-**
	Gray PVC STOOW 4 X 14 AWG 600V, 15A -40°C to +105°C 14.7mm OD	PMIN-44MFP-**	PMIN-44MFP-**-R	PMIN-44MRFP-**	PMIN-44MFRP-**
<p>1.375"-16UN2</p>	Black TPE TC-ER 4 X 10 AWG 600V, 25A -40°C to +90°C 13.2 mm OD	PMINW-40MFP-**-C011	PMINW-40MFP-**-R-C011	PMINW-40MRFP-**-C011	PMINW-40MFRP-**-C011
	Black TPE TC-ER 4 X 12 AWG 600V, 20A -40°C to +90°C 10.9mm OD	PMINW-42MFP-**-C011	PMINW-42MFP-**-R-C011	PMINW-42MRFP-**-C011	PMINW-42MFRP-**-C011
	Black TPE TC-ER 4 X 14 AWG 600V, 15A -40°C to +90°C 9.7mm OD	PMINW-44MFP-**-C011	PMINW-44MFP-**-R-C011	PMINW-44MRFP-**-C011	PMINW-44MFRP-**-C011
<p>1.375"-16UN2</p>	Black TPE TC-ER With Braided Shield 4 X 10 AWG 1 x 14 AWG (Drain) 600V, 25A -40°C to +90°C 13.1 mm OD	PMINWB-450MFP-**-C011	PMINWB-450MFP-**-R-C011	PMINWB-450MRFP-**-C011	PMINWB-450MFRP-**-C011

D
PMIN Cordsets

** Lengths in meters. Standard cable lengths are 1, 2, 5, 10 & 15 meters. Consult the factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling add -SS suffix. (e.g. PMIN-40MFP-1M becomes PMIN-40MFP-1M-SS)

Straight

Right Angle



Male Plug

Female Plug

Male Plug

Female Plug



1 3/8" MIN Power Series "T" Connectors

3 & 4 Conductor PMIN Series "T" Connector



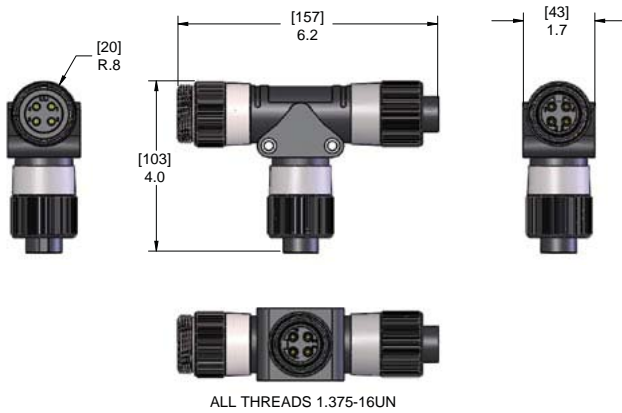
"T" Connectors | Male to Two Female | 600 Volt | IP67 Rating



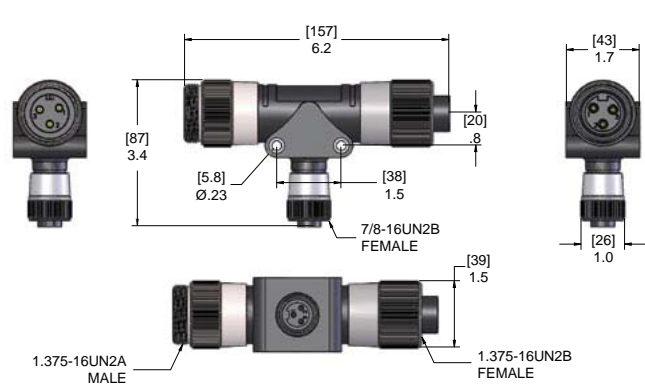
D PMIN Cordsets

# of Poles	Male Faceview	Female Drop Thread Size	Part Number	Wiring	Female Faceview
3	 1.375"-16UN2	1.375"-16UN	PMIN-30MFF-T	1 to 1 to 1 2 to 2 to 2 3 to 3 to 3	 1.375"-16UN2
		7/8"-16UN	PMINH-30MFF-T		
4	 1.375"-16UN2	1.375"-16UN	PMIN-40MFF-T	1 to 1 to 1 2 to 2 to 2 3 to 3 to 3 4 to 4 to 4	 1.375"-16UN2
		7/8"-16UN	PMINH-40MFF-T		

Standard coupling nut is nickel plated brass, for stainless steel coupling add -SS suffix. (e.g. PMIN-3MFF-T becomes PMIN-3MFF-T-SS)



PMIN T Connectors



PMINH T Connectors

Specifications:

- Body : Oil Resistant Black PVC
- Contacts : Copper Alloy with Gold Plating
- Coupling Nut : Nickel Plated Brass
- Temperature : -40 °C to +105 °C



1 3/8" MIN Power Series Adapter Plugs

3 & 4 Conductor PMIN (1.375"-16UN) to MINH (7/8"-16UN) Adapter Plugs



Adapter Plugs | PMIN (1 3/8") to MINH (7/8") | 600 Volt | IP67 Rating



Housing Style	Part Number	Rating	Male Faceview	Connection Diagram	Female Faceview
	PMINH-3MFP-AD1	600V 18A	 1.375"-16UN2		 7/8"-16UN2
	PMINH-4MFP-AD1	600V 15A	 1.375"-16UN2		 7/8"-16UN2

D
PMIN Cordsets

Specifications:

- Body: Oil Resistant Yellow PVC
- Contacts: Copper Alloy with Gold Plating
- Coupling Nuts: Nickel Plated Brass
- Inserts: Oil Resistant PVC
- O-Ring: NBR



1 3/8" MIN Power Series Accessories

PMIN Series Accessories



Closure Cap & Plug | IP67 Rating

D
PMIN Cordsets

Metal Closure Cap				
Closure Style	Part Number	Material	Threads	Mounting Hole Size
	PMIN-CAP-LY	Nickel Plated Brass	Female	0.19"
	PMIN-CAP-CBLY	Nickel Plated Brass	Female	1.3"
	PMIN-CAP-NC	Nickel Plated Brass	Female	N/A
Metal Closure Plug				
	PMIN-PLUG-LY	Nickel Plated Brass	Male	0.19"
	PMIN-PLUG-CBLY	Nickel Plated Brass	Male	1.3"
	PMIN-PLUG-NC	Nickel Plated Brass	Male	N/A

NBR tether and stainless steel lanyard are available for all PMIN-CAP-LLY and PMIN-PLUG-LLY. Please consult the factory for part number and availability.



1 3/8" MIN Power Series Receptacles

PMIN Series Receptacle Part Number Matrix



Not all options available with all receptacles, please consult factory.

PMIN - - -

Number of Conductors

3
4

Wire AWG

0 = 10 AWG
2 = 12 AWG
4 = 14 AWG

Connector Configuration

MR = Male Receptacle
FR = Female Receptacle

Mounting Style

Blank = Front Mount 1/2"-14 NPT
34 = Front Mount 3/4"-14 NPT

Length in Meter

D

PMIN Receptacles



1 3/8" MIN Power Series Receptacles

PMIN Series Receptacle Index



Front Mount | 1/2"-14NPT | 3/4"-14NPT

D
PMIN Receptacles

Front Mount, Male, 1/2"-14NPT	Front Mount, Female, 1/2"-14NPT
<p style="text-align: right;">Page D-31</p>	<p style="text-align: right;">Page D-31</p>
Front Mount, Male, 3/4"-14NPT	Front Mount, Female, 3/4"-14NPT
<p style="text-align: right;">Page D-32</p>	<p style="text-align: right;">Page D-32</p>



1 3/8" MIN Power Series Receptacles

3, 4 & 5 Conductor PMIN Receptacles, 10, 12 & 14AWG



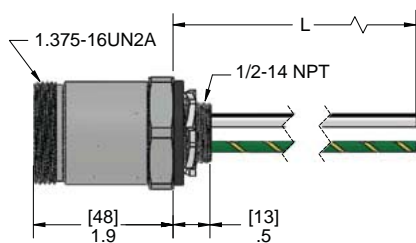
Front Mount Receptacles | 1/2"-14 NPT Threads | IP67 Rating



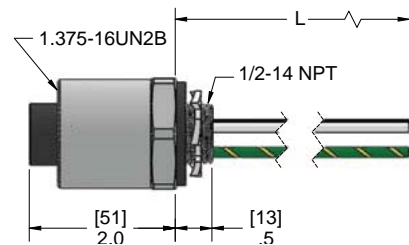
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
3	 1.375"-16UN2	North American 1. Black 2. Green/Yellow 3. White	600V 30A	10 AWG	PMIN-30MR-**	PMIN-30FR-**
			600V 25A	12 AWG	PMIN-32MR-**	PMIN-32FR-**
			600V 18A	14 AWG	PMIN-34MR-**	PMIN-34FR-**
4	 1.375"-16UN2	North American 1. Black 2. Green/Yellow 3. Red 4. White	600V 25A	10 AWG	PMIN-40MR-**	PMIN-40FR-**
			600V 20A	12 AWG	PMIN-42MR-**	PMIN-42FR-**
			600V 15A	14 AWG	PMIN-44MR-**	PMIN-44FR-**
5	 1.375"-16UN2	North American 1. Black 2. Green/Yellow 3. Red 4. White 5. Gray	600V 25A	10 AWG	PMIN-450MR-**	PMIN-450FR-**

D
PMIN Receptacles

** Lengths in meters. 0.3m leads are standard. Longer lead lengths are available, please consult the factory for part numbers.



Male Receptacles



Female Receptacles

Specifications:

Shell: Nickel Plated Brass
 Insulator: 105°C, Oil Resistant Black PVC
 Wire: 10 AWG: UL Style 1015, 600V
 12 AWG: UL Style 1015, 600V
 14 AWG: UL Style 1015, 600V

Contacts: Copper Alloy with Gold Plating
 Gasket: TPE
 Lock Nut: Zinc Plated Steel
 Temperature: -40°C to 105°C (-40°F to +221°F)



1 3/8" MIN Power Series Receptacles

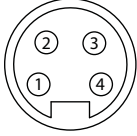
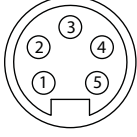
3, 4 & 5 Conductor PMIN Receptacles, 10, 12 & 14AWG



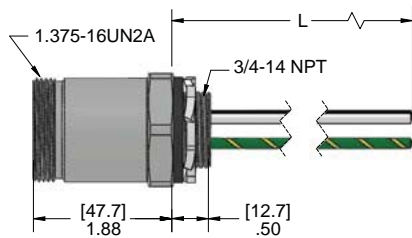
Front Mount Receptacles | 3/4"-14 NPT Threads | IP67 Rating



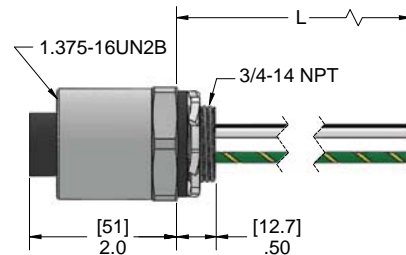
D
PMIN Receptacles

# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
3	 1.375"-16UN2	North American 1. Black 2. Green/Yellow 3. White	600V 30A	10 AWG	PMIN-30MR-**-34	PMIN-30FR-**-34
			600V 25A	12 AWG	PMIN-32MR-**-34	PMIN-32FR-**-34
			600V 18A	14 AWG	PMIN-34MR-**-34	PMIN-34FR-**-34
4	 1.375"-16UN2	North American 1. Black 2. Green/Yellow 3. Red 4. White	600V 25A	10 AWG	PMIN-40MR-**-34	PMIN-40FR-**-34
			600V 20A	12 AWG	PMIN-42MR-**-34	PMIN-42FR-**-34
			600V 15A	14 AWG	PMIN-44MR-**-34	PMIN-44FR-**-34
5	 1.375"-16UN2	North American 1. Black 2. Green/Yellow 3. Red 4. White 5. Gray	600V 25A	10 AWG	PMIN-450MR-**-34	PMIN-450FR-**-34

** Lengths in meters. 0.3m leads are standard. Longer lead lengths are available, please consult the factory for part numbers.



Male Receptacles



Female Receptacles

Specifications:

Shell: Nickel Plated Brass
 Insulator: 105°C, Oil Resistant Black PVC
 Wire: 10 AWG: UL Style 1015, 600V
 12 AWG: UL Style 1015, 600V
 14 AWG: UL Style 1015, 600V

Contacts: Copper Alloy with Gold Plating
 Gasket: TPE
 Lock Nut: Zinc Plated Steel
 Temperature: -40°C to 105°C (-40°F to +221°F)



Lock Nuts	Part #	Thread	A	Thickness	Material
	212M	1/2" NPT	28.5 mm	3.3 mm	Zinc Plated Steel
	234M	3/4" NPT	32.5 mm	3.9 mm	Zinc Plated Steel

PMIN Lock	Part Number	Connection	Material
	PMIN-LOCK	1 3/8" PMIN Plug to Plug Plug to Receptacle	Polyamide

PMIN-LOCK is designed to secure the connection between two straight PMIN plugs or between a straight PMIN plug and a mating receptacle. To open lock, insert small flat blade screwdriver into slot below padlock hole.



PMIN Plug to Plug



PMIN Plug to Receptacle



Notes:

D

PMIN Receptacles



M16, M23 & M27 Series

MCL Series (M16), MCV & MCVH (M23), MCX Series (M27)

Over-Molded Cables | Receptacles | Field Wireables | Accessories

UL File #:
E149111



Cables

Mencom offers over-molded cables and field wireable connectors. Many are available in straight and right angle configurations. The cables are available in many off the shelf lengths and the jacket material is typically PVC, PUR or TPE. For custom applications please consult the factory.



Receptacles

Nothing says "convenience" more than a completed, pre-wired, ready to use, multi-pin receptacle. Many of our receptacles are available fully potted with an industry leading array of mounting options. These include 1/2" NPT, M20, M25, Panel Mount, and Back Mount to name a few. Standard lead lengths are 0.3m, 0.5m 1m, 2m and 3m, but we can easily customize to your required length and/or color code. Solder cup and crimp terminations are also available.

E

M16, M23 & M27 Series



M16, M23 & M27 Series

MCL Series (M16), MCV & MCVH (M23), MCX Series (M27)



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	MCX (M27)	E-25

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E

M16, M23 & M27 Series

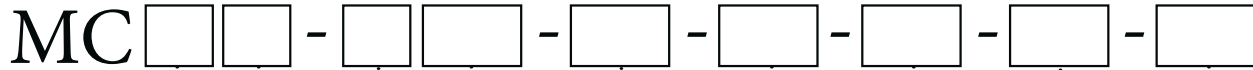


M16, M23, M27 Series Cordsets

M16, M23, M27 Series Cordset Part Number Matrix



Not all options available with all cordsets, please consult factory.



Connector Type

- L = M16
- V = M23 Control
- VH = M23 Power
- X = M27

Cable Type

- Blank = PVC
- P = PUR
- W = TPE
- WF = TPE High-Flex

Number of Conductors

- 6
- 7
- 8
- 12
- 14
- 16
- 17
- 19
- 26
- 28

Connector Configuration

- MP = Male Plug
- FP = Female Plug
- MPM = Male Plug with Male Threads
- MFP = Male / Female Extension
- MMFP = Male with Male Threrads / Female Extension
- MFRP = Male Straight / Female Right Angle
- MRFP = Male Right Angle / Female Straight
- MPX = Male Plug - All 18 awg
- FPX = Female Plug - All 18 awg
- MPMX = Male Plug with Male Threads - All 18 awg
- MFPX = Male / Female Extension - All 18 awg
- MMFPX = Male with Male Threrads / Female Extension - All 18 awg
- MFRPX = Male Straight / Female Right Angle - All 18 awg
- MRFPX = Male Right Angle / Female Straight - All 18 awg

Coupling Nut

- Blank = Nickel plated brass
- SS = Stainless Steel

Other Variables

- C010 = ITC-ER/PLTC-ER
- N01 = Numbered Cable

Termination Type

- Blank = Pre-Wired
- FW-SC = Field Wireable Solder Cup
- FW-CC = Field Wireable Crimp

R/A or Straight

- Blank = Straight *
- R = Right Angle **

* Unless the Connector Configuration is MFRP or MRFP
 ** If single ended cable, right angle connector to flying leads
 If double ended cable, right angle on both connectors

Length in Meters

- 1M
- 2M
- 4M
- 5M
- 6M
- 10M
- 15M

Other lengths are available by request.



MCV (M23) Series Cordsets

12 Conductor M23 Series Cordsets, 18/22AWG



Straight Male Cordsets | 300 Volt, 6 amps | 300 Volt, 6 & 2 amps | IP67 Rating



E
M23 Series

18 AWG					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MCVW-12MPX-**-N01	Black TPE AWM 12 X 18 AWG 300V, 6A -40°C to +105°C 9.9mm OD	Weld Slag Resistant TPE	Black Numbered Wires #1-11 Green/Yellow #12	<p>M23 x 1</p>
18 & 22 AWG					
	MCVP-12MP-**-	Black PUR AWM With Foil Shield 3 X 18 AWG 300V, 6A 9 X 22 AWG 300V, 2A -40°C to +80°C 8.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield	1. Brown*** 2. Brown/White 3. Blue*** 4. White 5. Green 6. Yellow 7. Gray 8. Pink 9. Red 10. Black 11. Violet 12. Green/Yellow***	<p>M23 x 1</p>
	MCVW-12MP-**-	Black TPE AWM With Foil Shield 3 X 18 AWG 300V, 6A 9 X 22 AWG 300V, 2A -40°C to +80°C 8.1mm OD	Weld Slag Resistant TPE Foil Shield		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

*** Brown, Blue and Green/Yellow are 18AWG

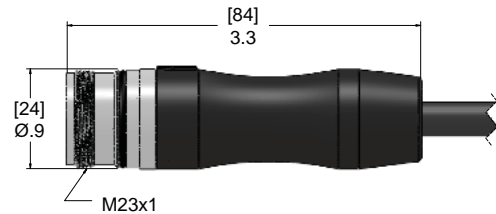
Standard coupling nut is nickel plated brass. Stainless steel coupling nut is available only for female threads.

For stainless steel coupling nut add a "SS" suffix. (e.g. MCVP-12MP-1M becomes MCV-12MP-1M-SS)

Fixed Male Thread Option

For male threaded coupling replace "MP/MPX" with "MPM/MPMX".

(e.g. MCVP-12MP-1M becomes MCVP-12MPM-1M)





MCV (M23) Series Cordsets

12 Conductor M23 Series Cordsets, 18/22AWG



Straight Female Cordsets | 300 Volt, 6 amps | 300 Volt, 6 & 2 amps | IP67 Rating



18 AWG					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MCVW-12FPX-**-N01	Black TPE AWM 12 X 18 AWG 300V, 6A -40°C to +105°C 9.9mm OD	Weld Slag Resistant TPE	Black Numbered Wires #1-11 Green/Yellow #12	 M23 x 1
18 & 22 AWG					
	MCVP-12FP-**-	Black PUR AWM With Foil Shield 3 X 18 AWG 300V, 6A 9 X 22 AWG 300V, 2A -40°C to +80°C 8.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield	1. Brown*** 2. Brown/White 3. Blue*** 4. White 5. Green 6. Yellow 7. Gray 8. Pink 9. Red 10. Black 11. Violet 12. Green/Yellow***	 M23 x 1
	MCVW-12FP-**-	Black TPE AWM With Foil Shield 3 X 18 AWG 300V, 6A 9 X 22 AWG 300V, 2A -40°C to +80°C 8.1mm OD	Weld Slag Resistant TPE Foil Shield		

E
M23 Series

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

*** Brown, Blue and Green/Yellow are 18AWG

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MCVP-12FP-1M becomes MCV-12FP-1M-SS)



MCV (M23) Series Cordsets

16 & 17 Conductor M23 Series Cordsets, 18AWG



Straight Male Cordsets | 150 Volt, 5 amps | IP67 Rating



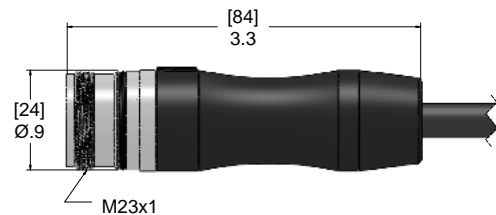
E
M23 Series

16 Pole																					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview																
	MCV-16MPX-**-N01	Black PVC AWM 16 X 18 AWG 150V, 5A -40°C to +90°C 13.6mm OD	PVC ITC-ER/PLTC-ER	Black Numbered Wires #1-15 Green/Yellow #16	<p>M23 x 1</p>																
	MCV-16MPX-**-C010	Black PVC AWM 16 X 18 AWG 150V, 5A -40°C to +90°C 12.1mm OD	PVC ITC-ER/PLTC-ER	<table border="0"> <tr><td>1. White</td><td>9. Black</td></tr> <tr><td>2. Brown</td><td>10. Violet</td></tr> <tr><td>3. Green</td><td>11. Gray/Pink</td></tr> <tr><td>4. Yellow</td><td>12. Red/Blue</td></tr> <tr><td>5. Gray</td><td>13. White/Green</td></tr> <tr><td>6. Pink</td><td>14. Brown/Green</td></tr> <tr><td>7. Blue</td><td>15. White/Yellow</td></tr> <tr><td>8. Red</td><td>16. Yellow/Brown</td></tr> </table>		1. White	9. Black	2. Brown	10. Violet	3. Green	11. Gray/Pink	4. Yellow	12. Red/Blue	5. Gray	13. White/Green	6. Pink	14. Brown/Green	7. Blue	15. White/Yellow	8. Red	16. Yellow/Brown
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5. Gray	13. White/Green																				
6. Pink	14. Brown/Green																				
7. Blue	15. White/Yellow																				
8. Red	16. Yellow/Brown																				
17 Pole																					
	MCV-17MPX-**-N01	Black PVC AWM 17 X 18 AWG 150V, 5A -40°C to +90°C 13.6mm OD	PVC ITC-ER/PLTC-ER	Black Numbered Wires #1-16 Green/Yellow #17	<p>M23 x 1</p>																
	MCV-17MPX-**-C010	Black PVC AWM 17 X 18 AWG 150V, 5A -40°C to +90°C 12.1mm OD	PVC ITC-ER/PLTC-ER	<table border="0"> <tr><td>1. White</td><td>10. Violet</td></tr> <tr><td>2. Brown</td><td>11. Gray/Pink</td></tr> <tr><td>3. Green</td><td>12. Red/Blue</td></tr> <tr><td>4. Yellow</td><td>13. White/Green</td></tr> <tr><td>5. Gray</td><td>14. Brown/Green</td></tr> <tr><td>6. Pink</td><td>15. White/Yellow</td></tr> <tr><td>7. Blue</td><td>16. Yellow/Brown</td></tr> <tr><td>8. Red</td><td>17. White/Gray</td></tr> <tr><td>9. Black</td><td></td></tr> </table>		1. White	10. Violet	2. Brown	11. Gray/Pink	3. Green	12. Red/Blue	4. Yellow	13. White/Green	5. Gray	14. Brown/Green	6. Pink	15. White/Yellow	7. Blue	16. Yellow/Brown	8. Red	17. White/Gray
1. White	10. Violet																				
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8. Red	17. White/Gray																				
9. Black																					

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.
 Standard coupling nut is nickel plated brass. Stainless steel coupling nut is available only for female threads.
 For stainless steel coupling nut add a “SS” suffix. (e.g. MCV-16MPX-1M-N01 becomes MCV-16MPX-1M-N01-SS)

Fixed Male Thread Option

For male threaded coupling replace “MPX” with “MPMX”.
 (e.g. MCV-16MPX-1M-N01 becomes MCV-16MPMX-1M-N01)





MCV (M23) Series Cordsets

16 & 17 Conductor M23 Series Cordsets, 18AWG



Straight Female Cordsets | 150 Volt, 5 amps | IP67 Rating



16 Pole					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MCV-16FPX-**-N01	Black PVC AWM 16 X 18 AWG 150V, 5A -40°C to +90°C 13.6mm OD	PVC ITC-ER/PLTC-ER	Black Numbered Wires #1-15 Green/Yellow #16	<p>M23 x 1</p>
	MCV-16FPX-**-C010	Black PVC AWM 16 X 18 AWG 150V, 5A -40°C to +90°C 12.1mm OD	PVC ITC-ER/PLTC-ER	1. White 9. Black 2. Brown 10. Violet 3. Green 11. Gray/Pink 4. Yellow 12. Red/Blue 5. Gray 13. White/Green 6. Pink 14. Brown/Green 7. Blue 15. White/Yellow 8. Red 16. Yellow/Brown	
17 Pole					
	MCV-17FPX-**-N01	Black PVC AWM 17 X 18 AWG 150V, 5A -40°C to +90°C 13.6mm OD	PVC ITC-ER/PLTC-ER	Black Numbered Wires #1-16 Green/Yellow #17	<p>M23 x 1</p>
	MCV-17FPX-**-C010	Black PVC AWM 17 X 18 AWG 150V, 5A -40°C to +90°C 12.1mm OD	PVC ITC-ER/PLTC-ER	1. White 10. Violet 2. Brown 11. Gray/Pink 3. Green 12. Red/Blue 4. Yellow 13. White/Green 5. Gray 14. Brown/Green 6. Pink 15. White/Yellow 7. Blue 16. Yellow/Brown 8. Red 17. White/Gray 9. Black	

E
M23 Series

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MCV-16FPX-1M-N01 becomes MCV-16FPX-1M-N01-SS)



MCV (M23) Series Cordsets

19 Conductor M23 Series Cordsets, 18/22AWG



Straight Male Cordsets | 150 Volt, 5 amps | 150 Volt, 10 & 1 amps | IP67 Rating



E
M23 Series

18 AWG					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MCV-19MPX-**-C010	Black PVC AWM 19 X 18 AWG 150V, 5A -40°C to +90°C 13.6mm OD	PVC ITC-ER/PLTC-ER	1. Violet 2. Red 3. Gray 4. Red/Blue 5. Green 6. Blue 7. Gray/Pink 8. White/Green 9. White/Yellow 10. White/Gray 11. Black 12. Green/Yellow 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Brown	 M23 x 1
18/22 AWG					
	MCVP-19MP-**	Black PUR AWM With Foil Shield 3 X 18 AWG 150V, 10A 16 X 22 AWG 150V, 1A -40°C to +80°C 9.9mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield	1. Violet 2. Red 3. Gray 4. Red/Blue 5. Green 6. Blue*** 7. Gray/Pink 8. White/Green 9. White/Yellow 10. White/Gray 11. Black 12. Green/Yellow*** 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Brown***	 M23 x 1
	MCVWF-19MP-**	Black TPE AWM 3 X 18 AWG 150V, 10A 16 X 22 AWG 150V, 1A -40°C to +80°C 9.4mm OD	Continuous-Flex (10 MM Cycle) Weld Slag Resistant TPE		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

*** Brown, Blue and Green/Yellow are 18AWG

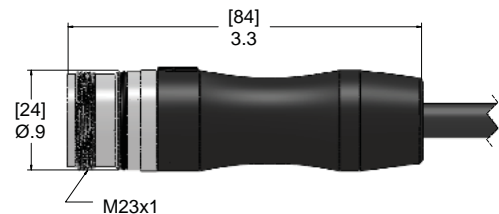
Standard coupling nut is nickel plated brass. Stainless steel coupling nut is available only for female threads.

For stainless steel coupling nut add a “-SS” suffix. (e.g. MCVP-19MP-1M becomes MCVP-19MP-1M-SS)

Fixed Male Thread Option

For male threaded coupling replace “MP/MPX” with “MPM/MPMX”.

(e.g. MCVP-19MP-1M becomes MCVP-19MPM-1M)





MCV (M23) Series Cordsets

19 Conductor M23 Series Cordsets, 18AWG



Straight Female Cordsets | 150 Volt, 5 amps | 150 Volt, 10 & 1 amps | IP67 Rating



18 AWG					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MCV-19FPX-**-C010	Black PVC AWM 19 X 18 AWG 150V, 5A -40°C to +90°C 13.6mm OD	PVC ITC-ER/PLTC-ER	1. Violet 2. Red 3. Gray 4. Red/Blue 5. Green 6. Blue 7. Gray/Pink 8. White/Green 9. White/Yellow 10. White/Gray 11. Black 12. Green/Yellow 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Brown	 M23 x 1
18/22 AWG					
	MCVP-19FP-**	Black PUR AWM With Foil Shield 3 X 18 AWG 150V, 10A 16 X 22 AWG 150V, 1A -40°C to +80°C 9.9mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield	1. Violet 2. Red 3. Gray 4. Red/Blue 5. Green 6. Blue*** 7. Gray/Pink 8. White/Green 9. White/Yellow 10. White/Gray 11. Black 12. Green/Yellow*** 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Brown***	 M23 x 1
	MCVWF-19FP-**	Black TPE AWM 3 X 18 AWG 150V, 10A 16 X 22 AWG 150V, 1A -40°C to +80°C 9.4mm OD	Continuous-Flex (10 MM Cycle) Weld Slag Resistant TPE		

E
M23 Series

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

*** Brown, Blue and Green/Yellow are 18AWG

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MCVP-19FP-1M becomes MCVP-19FP-1M-SS)



MCV (M23) Series Cordsets

12 Conductor M23 Series Cordsets, 18/22AWG



Right Angle Male Cordsets | 300 Volt, 6 amps | 300 Volt, 6 & 2 amps | IP67 Rating



E
M23 Series

18 AWG					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MCVW-12MPX-**-R-N01	Black TPE AWM 12 X 18 AWG 300V, 6A -40°C to +105°C 9.9mm OD	Weld Slag Resistant TPE	Black Numbered Wires #1-11 Green/Yellow #12	 M23 x 1
18/22 AWG					
	MCVP-12MP-**-R	Black PUR AWM With Foil Shield 3 X 18 AWG 300V, 6A 9 X 22 AWG 300V, 2A -40°C to +80°C 8.1mm OD	Female Connector Oil and Cutting Fluid Resistant Cut Resistant PUR	1. Brown*** 2. Brown/White 3. Blue*** 4. White 5. Green 6. Yellow 7. Gray 8. Pink 9. Red 10. Black 11. Violet 12. Green/Yellow***	 M23 x 1
	MCVW-12MP-**-R	Black TPE AWM With Foil Shield 3 X 18 AWG 300V, 6A 9 X 22 AWG 300V, 2A -40°C to +80°C 8.1mm OD	Weld Slag Resistant TPE Foil Shield		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

*** Brown, Blue and Green/Yellow are 18AWG

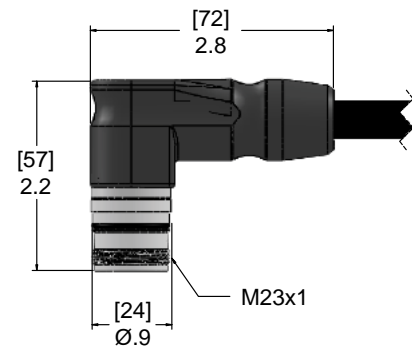
Standard coupling nut is nickel plated brass. Stainless steel coupling nut is available only for female threads.

For stainless steel coupling nut add a "-SS" suffix. (e.g. MCVP-12MP-1M-R becomes MCVP-12MP-1M-R-SS)

Fixed Male Thread Option

For male threaded coupling replace "MP/MPX" with "MPM/MPMX".

(e.g. MCVP-12MP-1M becomes MCVP-12MPM-1M)





MCV (M23) Series Cordsets

12 Conductor M23 Series Cordsets, 18/22AWG



Right Angle Female Cordsets | 300 Volt, 6 amps | 300 Volt, 6 & 2 amps | IP67 Rating



18 AWG					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MCVW-12FPX-**-R-N01	Black TPE AWM 12 X 18 AWG 300V, 6A -40°C to +105°C 9.9mm OD	Weld Slag Resistant TPE	Black Numbered Wires #1-11 Green/Yellow #12	 M23 x 1
18/22 AWG					
	MCVP-12FP-**-R	Black PUR AWM With Foil Shield 3 X 18 AWG 300V, 6A 9 X 22 AWG 300V, 2A -40°C to +80°C 8.1mm OD	Male Connector Oil and Cutting Fluid Resistant Cut Resistant PUR	1. Brown*** 2. Brown/White 3. Blue*** 4. White 5. Green 6. Yellow 7. Gray 8. Pink 9. Red 10. Black 11. Violet 12. Green/Yellow***	 M23 x 1
	MCVW-12FP-**-R	Black TPE AWM With Foil Shield 3 X 18 AWG 300V, 6A 9 X 22 AWG 300V, 2A -40°C to +80°C 8.1mm OD	Weld Slag Resistant TPE Foil Shield		

E
M23 Series

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

*** Brown, Blue and Green/Yellow are 18AWG

Standard coupling nut is nickel plated brass.

For stainless steel coupling nut add a "-SS" suffix. (e.g. MCVP-12FP-1M-R becomes MCVP-12FP-1M-R-SS)



MCV (M23) Series Cordsets

16 & 17 Conductor M23 Series Cordsets, 18AWG



Right Angle Male Cordsets | 150 Volt, 5 amps | IP67 Rating



E
M23 Series

16 Pole																					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview																
	MCV-16MPX-**-R-N01	Black PVC AWM 16 X 18 AWG 150V, 5A -40°C to +90°C 13.6mm OD	PVC ITC-ER/PLTC-ER	Black Numbered Wires #1-15 Green/Yellow #16	<p>M23 x 1</p>																
	MCV-16MPX-**-R-C010	Black PVC AWM 16 X 18 AWG 150V, 5A -40°C to +90°C 13.6mm OD	PVC ITC-ER/PLTC-ER	<table border="0"> <tr> <td>1. White</td> <td>9. Black</td> </tr> <tr> <td>2. Brown</td> <td>10. Violet</td> </tr> <tr> <td>3. Green</td> <td>11. Gray/Pink</td> </tr> <tr> <td>4. Yellow</td> <td>12. Red/Blue</td> </tr> <tr> <td>5. Gray</td> <td>13. White/Green</td> </tr> <tr> <td>6. Pink</td> <td>14. Brown/Green</td> </tr> <tr> <td>7. Blue</td> <td>15. White/Yellow</td> </tr> <tr> <td>8. Red</td> <td>16. Yellow/Brown</td> </tr> </table>		1. White	9. Black	2. Brown	10. Violet	3. Green	11. Gray/Pink	4. Yellow	12. Red/Blue	5. Gray	13. White/Green	6. Pink	14. Brown/Green	7. Blue	15. White/Yellow	8. Red	16. Yellow/Brown
1. White	9. Black																				
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5. Gray	13. White/Green																				
6. Pink	14. Brown/Green																				
7. Blue	15. White/Yellow																				
8. Red	16. Yellow/Brown																				
17 Pole																					
	MCV-17MPX-**-R-N01	Black PVC AWM 17 X 18 AWG 150V, 5A -40°C to +90°C 13.6mm OD	PVC ITC-ER/PLTC-ER	Black Numbered Wires #1-16 Green/Yellow #17	<p>M23 x 1</p>																
	MCV-17MPX-**-R-C010	Black PVC AWM 17 X 18 AWG 150V, 5A -40°C to +90°C 13.6mm OD	PVC ITC-ER/PLTC-ER	<table border="0"> <tr> <td>1. White</td> <td>10. Violet</td> </tr> <tr> <td>2. Brown</td> <td>11. Gray/Pink</td> </tr> <tr> <td>3. Green</td> <td>12. Red/Blue</td> </tr> <tr> <td>4. Yellow</td> <td>13. White/Green</td> </tr> <tr> <td>5. Gray</td> <td>14. Brown/Green</td> </tr> <tr> <td>6. Pink</td> <td>15. White/Yellow</td> </tr> <tr> <td>7. Blue</td> <td>16. Yellow/Brown</td> </tr> <tr> <td>8. Red</td> <td>17. White/Gray</td> </tr> <tr> <td>9. Black</td> <td></td> </tr> </table>		1. White	10. Violet	2. Brown	11. Gray/Pink	3. Green	12. Red/Blue	4. Yellow	13. White/Green	5. Gray	14. Brown/Green	6. Pink	15. White/Yellow	7. Blue	16. Yellow/Brown	8. Red	17. White/Gray
1. White	10. Violet																				
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7. Blue	16. Yellow/Brown																				
8. Red	17. White/Gray																				
9. Black																					

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

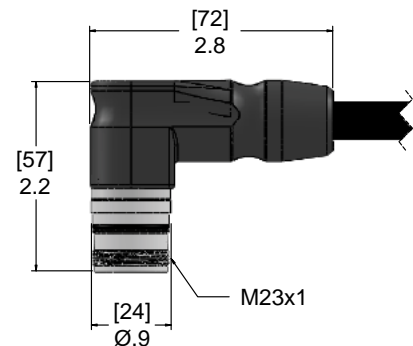
Standard coupling nut is nickel plated brass. Stainless steel coupling nut is available only for female threads.

For stainless steel coupling nut add a "SS" suffix. (e.g. MCV-17MPX-1M-R-N01 becomes MCV-17MPX-1M-R-N01-SS)

Fixed Male Thread Option

For male threaded coupling replace "MPX" with "MPMX".

(e.g. MCV-16MPX-1M-R-N01 becomes MCV-16MPMX-1M-R-N01)





MCV (M23) Series Cordsets

16 & 17 Conductor M23 Series Cordsets, 18AWG



Right Angle Female Cordsets | 150 Volt, 5 amps | IP67 Rating



16 Pole					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MCV-16FPX-**-R-N01	Black PVC AWM 16 X 18 AWG 150V, 5A -40°C to +90°C 13.6mm OD	PVC ITC-ER/PLTC-ER	Black Numbered Wires #1~15 Green/Yellow #16	<p>M23 x 1</p>
	MCV-16FPX-**-R-C010	Black PVC AWM 16 X 18 AWG 150V, 5A -40°C to +90°C 13.6mm OD	PVC ITC-ER/PLTC-ER	1. White 9. Black 2. Brown 10. Violet 3. Green 11. Gray/Pink 4. Yellow 12. Red/Blue 5. Gray 13. White/Green 6. Pink 14. Brown/Green 7. Blue 15. White/Yellow 8. Red 16. Yellow/Brown	
17 Pole					
	MCV-17FPX-**-R-N01	Black PVC AWM 17 X 18 AWG 150V, 5A -40°C to +90°C 13.6mm OD	PVC ITC-ER/PLTC-ER	Black Numbered Wires #1~16 Green/Yellow #17	<p>M23 x 1</p>
	MCV-17FPX-**-R-C010	Black PVC AWM 17 X 18 AWG 150V, 5A -40°C to +90°C 13.6mm OD	PVC ITC-ER/PLTC-ER	1. White 10. Violet 2. Brown 11. Gray/Pink 3. Green 12. Red/Blue 4. Yellow 13. White/Green 5. Gray 14. Brown/Green 6. Pink 15. White/Yellow 7. Blue 16. Yellow/Brown 8. Red 17. White/Gray 9. Black	

E
M23 Series

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass.

For stainless steel coupling nut add a "-SS" suffix. (e.g. MCV-17FPX-1M-R-N01 becomes MCV-17FPX-1M-R-N01-SS)



MCV (M23) Series Cordsets

19 Conductor M23 Series Cordsets, 18/22AWG



Right Angle Male Cordsets | 150 Volt, 5 amps | 150 Volt, 10 & 1 amps | IP67 Rating



E
M23 Series

18 AWG					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MCV-19MPX-**-R-C010	Black PVC AWM 19 X 18 AWG 150V, 5A -40°C to +90°C 13.6mm OD	PVC ITC-ER/PLTC-ER	1. Violet 2. Red 3. Gray 4. Red/Blue 5. Green 6. Blue 7. Gray/Pink 8. White/Green 9. White/Yellow 10. White/Gray 11. Black 12. Green/Yellow 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Brown	<p>M23 x 1</p>
18/22 AWG					
	MCVP-19MP-**-R	Black PUR AWM With Foil Shield 3 X 18 AWG 150V, 10A 16 X 22 AWG 150V, 1A -40°C to +80°C 9.9mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield	1. Violet 2. Red 3. Gray 4. Red/Blue 5. Green 6. Blue*** 7. Gray/Pink 8. White/Green 9. White/Yellow 10. White/Gray 11. Black 12. Green/Yellow*** 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Brown***	<p>M23 x 1</p>
	MCVWF-19MP-**-R	Black TPE AWM 3 X 18 AWG 150V, 10A 16 X 22 AWG 150V, 1A -40°C to +80°C 9.4mm OD	Continuous-Flex (10 MM Cycle) Weld Slag Resistant TPE		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

*** Brown, Blue and Green/Yellow are 18AWG

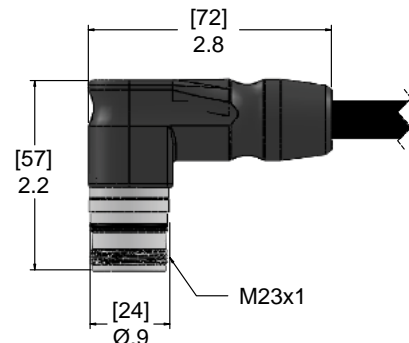
Standard coupling nut is nickel plated brass. Stainless steel coupling nut is available only for female threads.

For stainless steel coupling nut add a "SS" suffix. (e.g. MCVP-19MP-1M-R becomes MCVP-19MP-1M-R-SS)

Fixed Male Thread Option

For male threaded coupling replace "MP/MPX" with "MPM/MPMX".

(e.g. MCVP-19MP-1M-R becomes MCVP-19MPM-1M-R)





MCV (M23) Series Cordsets

17 & 19 Conductor M23 Series Cordsets, 18AWG



Right Angle Female Cordsets | 150 Volt, 5 amps | 150 Volt, 10 & 1 amps | IP67 Rating



18 AWG					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MCV-19FPX**-R-C010	Black PVC AWM 19 X 18 AWG 150V, 5A -40°C to +90°C 13.6mm OD	PVC ITC-ER/PLTC-ER	1. Violet 2. Red 3. Gray 4. Red/Blue 5. Green 6. Blue 7. Gray/Pink 8. White/Green 9. White/Yellow 10. White/Gray 11. Black 12. Green/Yellow 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Brown	<p>M23 x 1</p>
	18/22 AWG				
	MCVP-19FP**-R	Black PUR AWM With Foil Shield 3 X 18 AWG 150V, 10A 16 X 22 AWG 150V, 1A -40°C to +80°C 9.9mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield	1. Violet 2. Red 3. Gray 4. Red/Blue 5. Green 6. Blue*** 7. Gray/Pink 8. White/Green 9. White/Yellow 10. White/Gray 11. Black 12. Green/Yellow*** 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Brown***	<p>M23 x 1</p>
	MCVWF-19FP**-R	Black TPE AWM 3 X 18 AWG 150V, 10A 16 X 22 AWG 150V, 1A -40°C to +80°C 9.4mm OD	Continuous-Flex (10 MM Cycle) Weld Slag Resistant TPE	1. Violet 2. Red 3. Gray 4. Red/Blue 5. Green 6. Blue*** 7. Gray/Pink 8. White/Green 9. White/Yellow 10. White/Gray 11. Black 12. Green/Yellow*** 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Brown***	<p>M23 x 1</p>

E
M23 Series

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

*** Brown, Blue and Green/Yellow are 18AWG

Standard coupling nut is nickel plated brass.

For stainless steel coupling nut add a "-SS" suffix. (e.g. MCVP-19FP-1M-R becomes MCVP-19FP-1M-R-SS)



MCV (M23) Series Cordsets

12 Conductor M23 Series Cordsets 18/22AWG



Double Ended Cordsets | 300 Volt, 6 amps, 2 & 6 amps | IP67 Rating



E
M23 Series

Male Faceview	Part Number	Figure	Cables	Features	Color Code	Female Faceview
<p>M23 x 1</p>	MCVP-12MFP-**	A to D	Black PUR AWM 3 X 18 AWG 300V, 6A 9 X 22 AWG 300V, 2A -40°C to +80°C 8.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR	1. Brown*** 2. Brown/White 3. Blue*** 4. White 5. Green 6. Yellow 7. Gray 8. Pink 9. Red 10. Black 11. Violet 12. Green/Yellow***	<p>M23 x 1</p>
	MCVP-12MMFP-**	C to D				
	MCVP-12MFRP-**	A to E				
	MCVP-12MRFP-**	B to D				
	MCVP-12MFP-**-R	B to E				
<p>M23 x 1</p>	MCVW-12MFPX-**	A to D	Black TPE AWM With Foil Shield 12 X 18 AWG 300V, 6A -40°C to +90°C 8.1mm OD	Weld Slag Resistant TPE Foil Shield	Black Numbered Wires #1-11 Green/Yellow #12	<p>M23 x 1</p>
	MCVW-12MMFPX-**	C to D				

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 . Consult factory for other lengths.

*** Brown, Blue and Green/Yellow are 18AWG

Standard coupling nut is nickel plated brass. Stainless steel coupling nut is available only for female threads.

For stainless steel coupling nut add a “-SS” suffix. (e.g. MCVP-12MFP-1M becomes MCVP-12MFP-1M-SS)

Figure A



Male (Female Threads) Plug

Figure B



Male (Female Threads) Plug

Figure C



Male (Male Threads) Plug

Figure D



Female (Female Threads) Plug

Figure E



Female (Female Threads) Plug



MCV (M23) Series Cordsets

16 Conductor M23 Series Cordsets, 18AWG



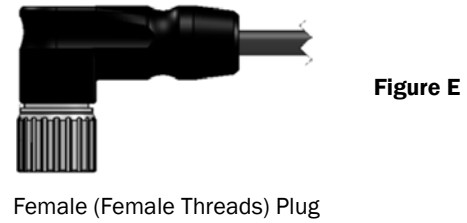
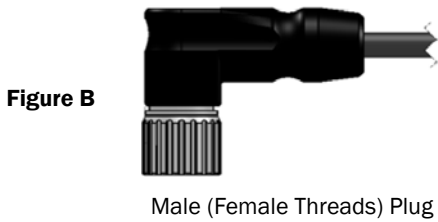
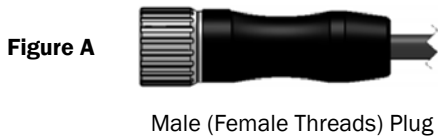
Double Ended Cordsets | 150 Volt, 5 amps | IP67 Rating



Male Faceview	Part Number	Figure	Cables	Features	Color Code	Female Faceview
<p>M23 x 1</p>	MCV-16MFPX-**-C010	A to D	Black PVC AWM 16 X 18 AWG 150V, 5A -40°C to +90°C 12.1mm OD	PVC ITC-ER/PLTC-ER	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Black 10. Violet 11. Gray/Pink 12. Red/Blue 13. White/Green 14. Brown/Green 15. White/Yellow 16. Yellow/Brown	<p>M23 x 1</p>
	MCV-16MMFPX-**-C010	C to D				
	MCV-16MFRPX-**-C010	A to E				
	MCV-16MRFPX-**-C010	B to D				
	MCV-16MFPX-**-R-C010	B to E				

E
M23 Series

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.
 Standard coupling nut is nickel plated brass.. Stainless steel coupling nut is available only for female threads.
 For stainless steel coupling nut add a "-SS" suffix. (e.g. MCV-16MFPX-1M-C010 becomes MCV-16MFPX-1M-C010)





MCV (M23) Series Cordsets

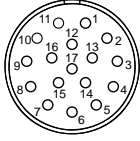
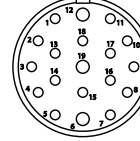
17 Conductor M23 Series Cordsets, 18AWG



Double Ended Cordsets | 150 Volt, 5 amps | IP67 Rating



E
M23 Series

Male Faceview	Part Number	Figure	Cables	Features	Color Code	Female Faceview
 M23 x 1	MCV-17MFPX-**-C010	A to D	Black PVC AWM 17 X 18 AWG 150V, 5A -40°C to +90°C 12.1mm OD	PVC ITC-ER/PLTC-ER	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Black 10. Violet 11. Gray/Pink 12. Red/Blue 13. White/Green 14. Brown/Green 15. White/Yellow 16. Yellow/Brown 17. White/Gray	 M23 x 1
	MCV-17MMFPX-**-C010	C to D				
	MCV-17MFRPX-**-C010	A to E				
	MCV-17MRFPX-**-C010	B to D				
	MCV-17MFPX-**-R-C010	B to E				

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.
 Standard coupling nut is nickel plated brass. Stainless steel coupling nut is available only for female threads.
 For stainless steel coupling nut add a "SS" suffix. (e.g. MCV-17MFPX-1M-C010 becomes MCV-17MFPX-1M-C010SS)

Figure A



Male (Female Threads) Plug



Figure D

Female (Female Threads) Plug

Figure B



Male (Female Threads) Plug



Figure E

Female (Female Threads) Plug

Figure C



Male (Male Threads) Plug



MCV (M23) Series Cordsets

19 Conductor M23 Series Cordsets, 18/22AWG



Double Ended Cordsets | 150 Volt, 5 amps, 1 & 10 amps | IP67 Rating



Male Faceview	Part Number	Figure	Cables	Features	Color Code	Female Faceview
 M23 x 1	MCV-19MFPX-**-C010	A to D	Black PVC AWM 19 X 18 AWG 150V, 5A -40°C to +90°C 13.6mm OD	PVC ITC-ER/PLTC-ER	1. Violet 2. Red 3. Gray 4. Red/Blue 5. Green 6. Blue 7. Gray/Pink 8. White/Green 9. White/Yellow 10. White/Gray 11. Black 12. Green/Yellow 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Brown	 M23 x 1
	MCV-19MMFPX-**-C010	C to D				
 M23 x 1	MCVP-19MFP-**-	A to D	Black PUR AWM With Foil Shield 3 X 18 AWG 150V, 10A 16 X 22 AWG 150V, 1A -40°C to +80°C 9.9mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield	1. Violet 2. Red 3. Gray 4. Red/Blue 5. Green 6. Blue*** 7. Gray/Pink 8. White/Green 9. White/Yellow 10. White/Gray 11. Black 12. Green/Yellow*** 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Brown***	 M23 x 1
	MCVP-19MMFP-**-	C to D				
	MCVP-19MFRP-**-	A to E				
	MCVP-19MRFP-**-	B to D				
	MCVP-19MFP-**-R	B to E				
 M23 x 1	MCVWF-19MFP-**-	A to D	Black TPE AWM 3 X 18 AWG 150V, 10A 16 X 22 AWG 150V, 1A -40°C to +80°C 9.4mm OD	Continuous-Flex (10 MM Cycle) Weld Slag Resistant TPE	1. Violet 2. Red 3. Gray 4. Red/Blue 5. Green 6. Blue*** 7. Gray/Pink 8. White/Green 9. White/Yellow 10. White/Gray 11. Black 12. Green/Yellow*** 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Brown***	 M23 x 1
	MCVWF-19MMFP-**-	C to D				
	MCVWF-19MFRP-**-	A to E				
	MCVWF-19MRFP-**-	B to D				
	MCVWF-19MFP-**-R	B to E				

E
M23 Series

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

*** Brown, Blue and Green/Yellow are 18AWG

Standard coupling nut is nickel plated brass,. Stainless steel coupling nut is available only for female threads.

For stainless steel coupling nut add a "SS" suffix. (e.g. MCVP-19MFP-1M becomes MCVP-19MFP-1M-SS)



Male (Female Threads) Plug



Figure D



Male (Female Threads) Plug



Figure E



Male (Male Threads) Plug

Female (Female Threads) Plug



MCV (M23) Series Field Wireable Plugs

12 & 19 Conductor M23 Series Field Wireable Plugs, 18-24AWG



Male Field Wireable Plugs | Solder Cups/Crimp Pins | 300/150V, 8A Max | IP67 Rating



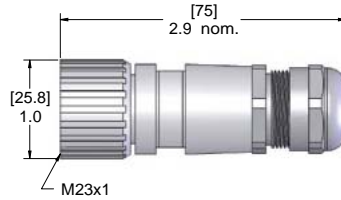
E
M23 Series

# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Contact Type	Part Number	
						Female Threads	Male Threads
12		300V 8A MAX	18-24 AWG	5-13 mm	Solder Cup	MCV-12MP-FW-SC	MCV-12MPM-FW-SC
					Crimp Pin	MCV-12MP-FW-CC	MCV-12MPM-FW-CC
19		150V 8A MAX	18-24 AWG	5-13 mm	Solder Cup	MCV-19MP-FW-SC	MCV-19MPM-FW-SC
					Crimp Pin	MCV-19MP-FW-CC	MCV-19MPM-FW-CC

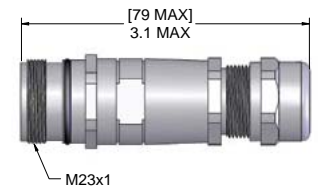
Connection via solder cup terminal or crimp pin. Voltage and amperage ratings are cable dependent and are based on 600V 18 AWG cable. Cables with lower voltage ratings and smaller conductors will lower these ratings.

Specifications:

Body: Nickel Plated Brass
 Contacts: Copper Alloy with Gold Plating
 O-Ring: NBR
 Insert: PBT
 Connections: Crimp/Solder
 Temperature: -40°C to +105°C (-40°F to +221°F)



Male Plug with Female Threads



Male Plug with Male Threads

# of Poles	Crimp Pin	Wire AWG	Male Contacts		
			Stamped Reel	Stamped	Machined
12		18-20 AWG	DBMCP-CF-18	DBMCP-18	MCV-PIN-C-18
		22-24 AWG	DBMCP-CF	DBMCP	MCV-PIN-C
19		18 AWG	N/A	N/A	MCV-19MR-PIN
		20-24 AWG	N/A	N/A	MCV-19MR-PIN-20
		18 AWG Male Ground Pin	N/A	N/A	MCV-19MR-PIN-G

# of Poles	Removal Tool	Crimp Tools for Machined Pins		Assembly Tool for Female Threaded Connectors
		Locator Tool	Crimp Tool	
12	MCV12ES	MCTP-V12	CCPZ-MIL	MCV-001
19	MCV19ES	MCTP-V19		

Crimp Tool and Crimp Tool Locator are ordered separately. Locators fit into crimp tool and are necessary for proper crimping.



MCV (M23) Series Field Wireable Plugs

12 & 19 Conductor M23 Series Field Wireable Plugs, 18-24AWG



Female Field Wireable Plugs | Solder Cups/Crimp Pins | Tools | 300/150V, 8A Max | IP67 Rating



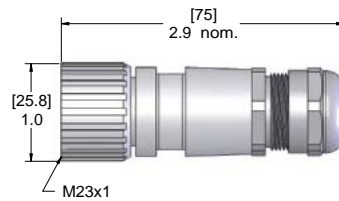
# of Poles	Female Faceview	Rating	Wire AWG	Cable O.D. Range	Contact Type	Part Number	
						Straight Plug	Right Angle Plug
12	 M23 x 1	300V 8A MAX	18-24 AWG	5-13 mm	Solder Cup	MCV-12FP-FW-SC	MCV-12FP-FW-R-SC
					Crimp Pin	MCV-12FP-FW-CC	MCV-12FP-FW-R-CC
19	 M23 x 1	150V 8A MAX	18-24 AWG	5-13 mm	Solder Cup	MCV-19FP-FW-SC	MCV-19FP-FW-R-SC
					Crimp Pin	MCV-19FP-FW-CC	MCV-19FP-FW-R-CC

E
M23 Series

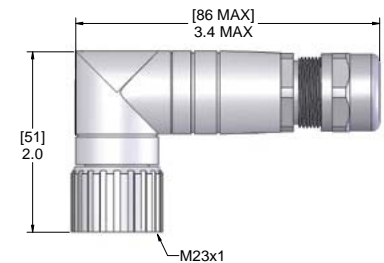
Connection via solder cup terminal or crimp pin. Voltage and amperage ratings are cable dependent and are based on 600V 18 AWG cable. Cables with lower voltage ratings and smaller conductors will lower these ratings.

Specifications:

- Body: Nickel Plated Brass
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Insert: PBT
- Connections: Crimp/Solder
- Temperature: -40°C to +105°C (-40°F to +221°F)



Straight Female Plug



Right Angle Female Plug

# of Poles	Crimp Pin	Wire AWG	Female Contacts		
			Stamped Reel	Stamped	Machined
12		18-20 AWG	DBFCP-CF-18	DBFCP-18	MCV-FM-C-18
		22-24 AWG	DBFCP-CF	DBFCP	MCV-FM-C
19		18 AWG	N/A	N/A	MCV-19FR-PIN
		20-24 AWG	N/A	N/A	MCV-19FR-PIN-20

# of Poles	Removal Tool	Crimp Tools for Machined Pins		Assembly Tool for Female Threaded Connectors
		Locator Tool	Crimp Tool	
12	MCV12ES	MCTP-V12	CCPZ-MIL	MCV-001
19	MCV19ES	MCTP-V19		

Crimp Tool and Crimp Tool Locator are ordered separately. Locators fit into crimp tool and are necessary for proper crimping.



MCV (M23) Series Field Wireable Plugs

6 & 7 Conductor M23 Series Field Wireable Plugs, 14-20AWG



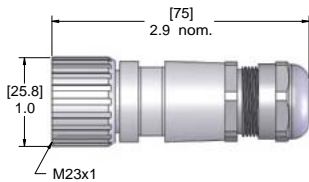
Field Wireable Plugs | Crimp Pins | Tools | 250 Volt, 20 amps | IP67 Rating



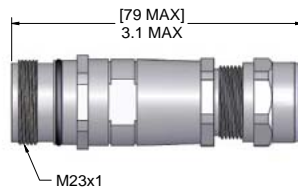
E
M23 Series

# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Male Plugs		Female Plugs
					Female Threads	Male Threads	
6	 M23 x 1	250V 20A Max	14-20 AWG	6-12 mm	MCV-6MP-FW-CC	MCV-6MPM-FW-CC	MCV-6FP-FW-CC
7	 M23 x 1	250V 20A Max	14-20 AWG	6-12 mm	MCV-7MP-FW-CC	MCV-7MPM-FW-CC	MCV-7FP-FW-CC

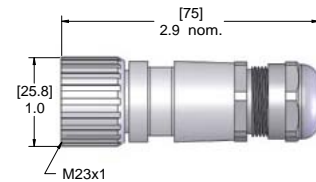
Connection via crimp pin. Voltage and amperage ratings are based on 300V 14 AWG wire and cable.
Cables with lower voltage ratings and smaller conductors will lower these ratings.



Male Plug with Female Threads



Male Plug with Male Threads



Female Plug with Female Threads

Specifications:

Body:	Nickel Plated Brass	Insert:	PBT
Contacts:	Copper Alloy with Gold Plating	Connections:	Crimp
O-Ring:	NBR	Temperature:	-40°C to +105°C (-40°F to +221°F)

# of Poles	Crimp Pin	Wire AWG	Male Contacts	Female Contacts
6&7	Female Contact	14-16 AWG	MCV-6MR-PIN-14	MCV-6FR-PIN-14
	Male Contact	18-20 AWG	MCV-6MR-PIN-18	MCV-6FR-PIN-18
	Male Contact	14-16 AWG Male Ground Pin	MCV-6MR-PIN-14-G	N/A

# of Poles	Removal Tool	Crimp Tool	Crimp Tool Locator	Assembly Tool for Female Threaded Connectors
6&7	MCV6ES	CCPZ-MIL	MCTP-V6	MCV-001

Crimp Tool and Crimp Tool Locator are ordered separately. Locators fit into crimp tool and are necessary for proper crimping.



MCVH (M23) Series Field Wireable Plugs

6 & 8 Conductor M23 Series Field Wireable Plugs, 12-26AWG



Field Wireable Plugs | Crimp Pins | Tools | 630 Volt, 30 amps | IP67 Rating



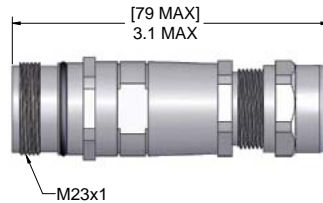
# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Male Plugs	Female Plugs
6	M23 x 1	630V 30A Max	12-26 AWG	7.5-18 mm	MCVH-6MPPM-FW-CC	MCVH-6FP-FW-CC
8	M23 x 1	630V 30A Max	12-26 AWG	7.5-18 mm	MCVH-8MPPM-FW-CC	MCVH-8FP-FW-CC

E
M23 Series

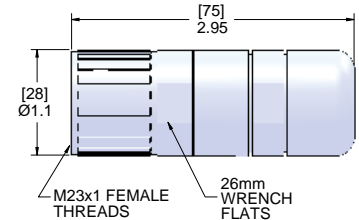
Connection is via crimp pins. Voltage and amperage ratings are cable dependent and are based on 600V 12 AWG cable. Cables with lower voltage ratings and smaller conductors will lower these ratings.

Specifications:

- Body: Nickel Plated Brass
- Contacts: Copper Alloy with Gold Plating
- O-Ring: FPM
- Coupling Nut: Nickel Plated Brass
- Insert: Polyamide
- Connections: Crimp
- Temperature: -40°C to +125°C (-40°F to +257°F)



Male Plug with Male Threads



Female Plug with Female Threads

# of Poles	Crimp Pin	Wire AWG	Male Contacts	Female Contacts
6&8* *Pins 1-4 for the 8 Pole		12 AWG	MCVH-MR-PIN-12	MCVH-FR-PIN-12
		14-16 AWG	MCVH-MR-PIN-16	MCVH-FR-PIN-16
		20-24 AWG	MCVH-MR-PIN-20	MCVH-FR-PIN-20
8 Pins A-D		18-22 AWG	MCVH-8MR-PIN-18	MCVH-8FR-PIN-18
		24-26 AWG	MCVH-8MR-PIN-24	MCVH-8FR-PIN-24

# of Poles	Crimp Tool	Crimp Tool Locator	Assembly Tool for Female Threaded Connectors
6&7	CCPZ-MIL	MCTP-VH6-8	MCV-001

Crimp Tool and Crimp Tool Locator are ordered separately. Locators fit into crimp tool and are necessary for proper crimping.



MCL (M16) Series Field Wireable Plugs

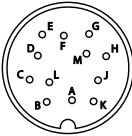
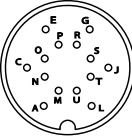
12 & 14 Conductor MCL Series Field Wireable Plugs, 24-28AWG

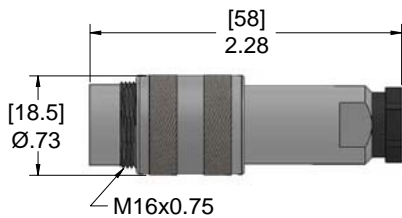


Field Wireable Plugs | Solder Cups | 60 Volt, 3 amps | IP67 Rating

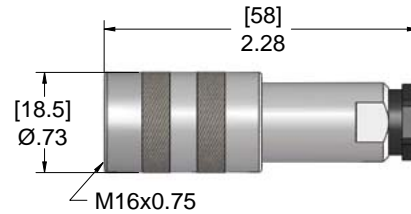


E
M16 Series

# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Part Number	
					Male Plug (Male Threads)	Female Plug (Female Threads)
12	 M16 x 0.75	60V 3A	24-28 AWG	4-6 mm	MCL-12MP-FW07	MCL-12FP-FW07
				6-8 mm	MCL-12MP-FW09	MCL-12FP-FW09
14	 M16 x 0.75	60V 3A	24-28 AWG	4-6 mm	MCL-14MP-FW07	MCL-14FP-FW07
				6-8 mm	MCL-14MP-FW09	MCL-14FP-FW09



Male Plug with Male Threads



Female Plug with Female Threads

Specifications:

- Body: Nickel Plated Brass
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Insert: PBT
- Termination: Solder Cup 24-28 AWG
- Temperature: -30°C to +95°C (-22°F to +203°F)



MCX (M27) Series Field Wireable Plugs

26 & 28 Conductor M27 Series Field Wireable Plugs, 18-26AWG



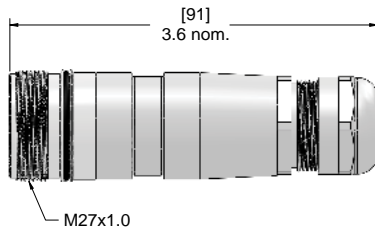
Field Wireable Plugs | Solder Cups | 150 Volt, 1.5 amps Max | IP67 Rating



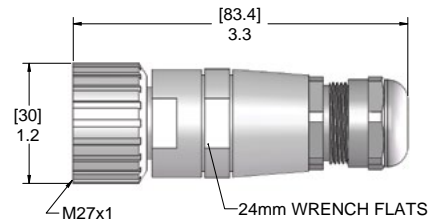
# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Part Number	
					Male Plugs (Male Threads)	Female Plug (Female Threads)
26	<p>M27 x 1</p>	150V 1.5A	18-26 AWG	10-14 mm	MCX-26MPM-FW-SC	MCX-26FP-FW-SC
28	<p>M27 x 1</p>	150V 1.5A	18-26 AWG	10-14 mm	MCX-28MPM-FW-SC	MCX-28FP-FW-SC

E
M27 Series

Connection is via solder cup terminal. Voltage and amperage ratings are cable dependent and are based on 150V 18 AWG wire. Wires with lower voltage ratings and smaller conductors will lower these ratings.



Male Plug with Male Threads



Female Plug with Female Threads

Specifications:

- Body: Nickel Plated Brass
- Contacts: Copper Alloy with Gold Plating
- O-Ring: FPM
- Coupling Nut: Nickel Plated Brass
- Insert: Polyamide
- Termination: Solder Cup 18-26 AWG
- Temperature: -40°C to +105°C (-40°F to +221°F)



MCV Series Accessories

MCV Series Accessories



Closure Caps | IP67 Rating

E
M23 Series

Metal Closure Caps				
Closure Style	Part Number	Material	Threads	Mounting Hole Size
	MCV-CAP-LY	Nickel Plated Brass	Female	0.19" (For Use on Cables)
	MCV-CAP-CBLY	Nickel Plated Brass	Female	1.3"
	MCV-CAP-NC	Nickel Plated Brass	Female	N/A






MCV, MCVH, MCX & MCL Series Accessories


MCV, MCVH, MCX & MCL Series Tools



Crimping Tool | Gage | Locators | Assembly Tool

Crimping Tool		
Body Style	Part Number	Description
	CCPZ-MIL	<p>The CCPZ-MIL crimping tool conforms to the international standard MIL-C-22520/1. The crimping is performed with 8 pressure points. The tool is equipped with a ratcheting mechanism to insure a complete crimping cycle is performed every time. This tool must be equipped with one of the interchangeable locators according to the series of contacts that are to be crimped. The selector dial on the side of the tool to adjust the crimp depth according to the contact and wire size being crimped.</p>
Go - No Go Gauge		
	CCPNP	<p>The indenting "teeth" on the crimp tool are subject to wear, so it is important to check the calibration of the tool at regular intervals. The CCPNP gauge is a Go - No Go Gauge that is used to make sure the tool is crimping properly.</p> <ol style="list-style-type: none"> To use the CCPNP, put the CCPZ-MIL selector dial to position 4. Put the crimping tool in a completely closed position. "GO" -- Insert the "GO" (green) end of the CCPNP into the crimp area. The gauge must pass freely between the indenter "teeth". "NO-GO" -- Insert the "NO-GO" (red) end of the CCPNP into the crimp area. The gauge must not pass between the indenter "teeth". If the NO-GO end of the gauge passes through the indenter "teeth", the indenters are worn and need to be replaced. <p>Please consult the factory to get the tool repaired.</p>
Assembly Tool		
	MCV-001	<p>MCV-001 is an assembly tool to aid in the assembly of the MCV field wireable connectors that have female couplings. The MCV-001 will hold the connector and prevent it from rotating while the connector backshell is threaded onto the back of the connector.</p>

E
M16, M23 & M27 Series

Locators				
Body Style	# of Poles	Part Number	Description	
	MCV	6 & 7	MCTP-V6	<p>The locator is designed to be used with several different contacts within a contact series. The label on the side of the locator will indicate the proper setting for the locator and the crimp tool relative to the contact being crimped.</p>
		12	MCTP-V12	
		19	MCTP-V19	
	MCVH	6 & 8	MCTP-VH6-8	

Mencom understand that many customers have a one-time requirement of the MC Series of product and prefer not to purchase tooling to perform the crimping. To help these customers, Mencom has a month to month tool lease program. Please consul the factory for information about this program.



MCV Series Accessories

12, 16, 17 & 19 Conductor MCV Series Accessory Cables



100' Cables | Raw Cable Spools

E

M16, M23 & M27 Series

# of Conductors	Color Code	Wire AWG	Voltage Rating	Features	Part Number	
					100' Cable	Spool
12	Black Numbered Wires #1~11 Green/Yellow #12	18 AWG	300V	Black TPE AWM 9.9mm OD (0.39" OD)	MCV-12CBLX-C	10KWXB2-*
	Brown*** Gray Brown/White Pink Blue*** Red White Black Green Violet Yellow Green/Yellow***	18 & 22 AWG	300V	Black PUR AWM with Foil Shield 8.1mm OD (0.31" OD)	MCVP-12CBL-C	54KMP01-*
				Black TPE AWM with Foil Shield 8.1mm OD (0.31" OD)	MCVW-12CBL-C	54KMW01-*
16	Black Numbered Wires #1~15 Green/Yellow #16	18 AWG	150V	Black PVC AWM 13.6mm OD (0.53" OD)	MCV-16CBLX-C	54PXB1-*
	White Black Brown Violet Green Gray/Pink Yellow Red/Blue Gray White/Green Pink Brown/Green Blue White/Yellow Red Yellow/Brown	18 AWG	150V	Black PVC AWM 12.1mm OD (0.48" OD)	MCV-16CBLX-C-C010	54PXB02-*
17	Black Numbered Wires #1~16 Green/Yellow #17	18 AWG	150V	Black PVC AWM 13.6mm OD (0.53" OD)	MCV-17CBLX-C	54PXB1-*
	White Violet Brown Gray/Pink Green Red/Blue Yellow White/Green Gray Brown/Green Pink White/Yellow Blue Yellow/Brown Red White/Gray Black	18 AWG	150V	Black PVC AWM 12.1mm OD (0.48" OD)	MCV-17CBLX-C-C010	54PXB02-*
19	Violet Black Red Green/Yellow Gray Yellow/Brown Red/Blue Brown/Green Green White Blue Yellow Gray/Pink Pink White/Green Gray/Brown White/Yellow Brown White/Gray	18 AWG	150V	Black PVC AWM 13.6mm OD (0.53" OD)	MCV-19CBLX-C	10RXB02-*
	Violet Black Red Green/Yellow*** Gray Yellow/Brown Red/Blue Brown/Green Green White Blue*** Yellow Gray/Pink Pink White/Green Gray/Brown White/Yellow Brown*** White/Gray	18 & 22 AWG	150V	Black PUR AWM 9.9mm OD (0.43" OD)	MCVP-19CBL-C	54RMP01-*
				Black TPE AWM 9.4mm OD (0.38" OD)	MCVWF-19CBL-C	54REB01-*

* Standard raw spool lengths are 0250, 0500, 0750 & 1000 feet. Consult factory for other lengths.

*** Blue, Brown and Green/Yellow wires are 18AWG.

Cable Construction subject to change without notice.

Lengths in feet. Standard cable length is 100 feet. Consult factory for other lengths.



MCV, MCVH, MCX & MCL Series Receptacles

M16, M23 & M27 Series Receptacle Part Number Matrix



Not all options available with all receptacles, please consult factory.



Connector Type

- L = M16 Series
- V = M23 Series
- VH = M23 Power Series
- X = M27 Series

Number of Conductors

- 6
- 7
- 8
- 12
- 14
- 16
- 17
- 19
- 26
- 28

Connector Configuration

- MR = Male Receptacle
- FR = Female Receptacle
- FRF = Female Receptacle with Female Thread

Length in Meters

- Blank = No Wire

Coupling Nut

- Blank = Nickel plated brass
- SS = Stainless Steel

Termination Type

- Blank = Pre-Wired
- SC = Solder Cup
- CC = Crimp Pin
- PCB = PCB Mount

Mounting Style

- Blank = Front Mount 1/2"-14 NPT
- PG13.5 = Front Mount PG13.5 Threads
- PG21 = Front Mount PG21 Threads
- M18 = Front Mount M18 Threads
- M20 = Front Mount M20 Threads
- M20L = Front Mount M20 Long Threads
- M25 = Front Mount M25 Threads
- M25L = Front Mount M25 Long Threads
- BM = Back Mount
- PM27 = Panel Mount with M2.7 Thru Holes (x4)
- PM32 = Panel Mount with M3.2 Thru Holes (x4)
- PM-RT-CC = Panel Mount Right Angle Crimp Pins
- RM25 = Rear Mount with M2.5 Tapped Holes (x4)
- RM30 = Rear Mount with M3.0 Tapped Holes (x4)

E

M16, M23 & M27 Series



MCV, MCVH, MCX & MCL Series Receptacles

MCL, MCV, MCVH & MCX Series Receptacle Index



MCV Front Mount

E

M16, M23 & M27 Series

MCV, Front Mount, Male, 1/2"-14NPT	Page E-34 ~ E-35	MCV, Front Mount, Female, 1/2"-14NPT	Page E-34 ~ E-35
MCV, Front Mount, Male, M20 Threads	Page E-34 ~ E-35	MCV, Front Mount, Female, M20 Threads	Page E-34 ~ E-35
MCV, Front Mount, Male, M20 Long Threads	Page E-34 ~ E-35	MCV, Front Mount, Female, M20 Long Threads	Page E-34 ~ E-35
MCV, Front Mount, Male, Solder Cups	Page E-42	MCV, Front Mount, Female, Solder Cups	Page E-42
<p>M20 threads shown - 1/2"-14 NPT threads also available.</p>		<p>M20 threads shown - 1/2"-14 NPT threads also available.</p>	



MCV, Front Mount, Male, Crimp Pins	MCV, Front Mount, Female, Crimp Pins
<p>Page E-42</p>	<p>Page E-42</p>
MCV, Back Mount, Male	MCV, Back Mount, Female
<p>Page E-36 ~ E-37</p>	<p>Page E-36 ~ E-37</p>
MCV, Panel Mount, Male	MCV, Panel Mount, Female
<p>Page E-38 ~ E-39</p> <p>M2.7 Thru Holes shown - M3.2 Thru Holes also available.</p>	<p>Page E-38 ~ E-39</p> <p>M2.7 Thru Holes shown - M3.2 Thru Holes also available. Male thread shown - Female thread also available for 6, 7, 12 pole.</p>
MCV, Rear Mount, Male	MCV, Rear Mount, Female
<p>Page E-40 ~ E-41</p> <p>M3.0 Tapped Holes shown - M2.5 Tapped Holes also available.</p>	<p>Page E-40 ~ E-41</p> <p>M3.0 Tapped Holes shown - M2.5 Tapped Holes also available.</p>

E
M16, M23 & M27 Series



MCV, MCVH, MCX & MCL Series Receptacles

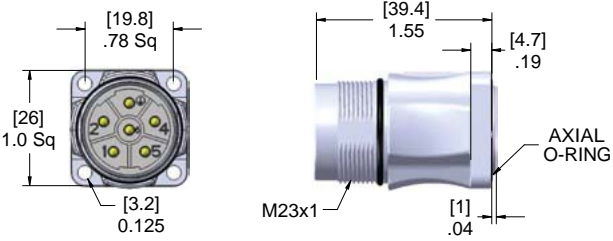
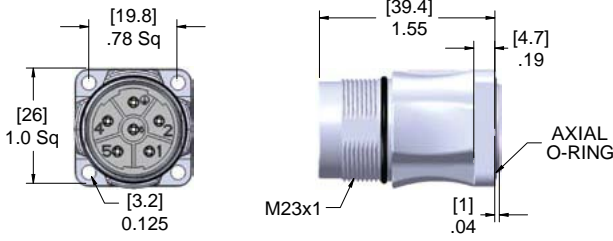
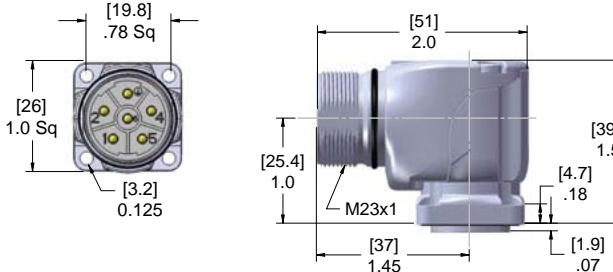
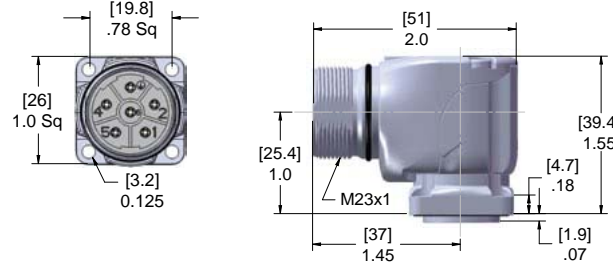
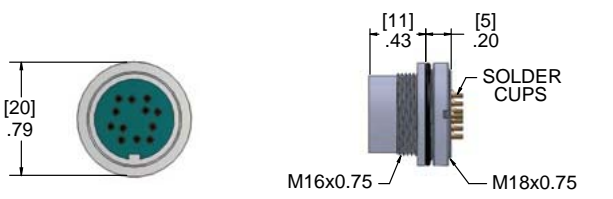
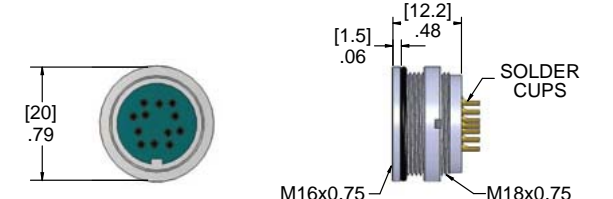
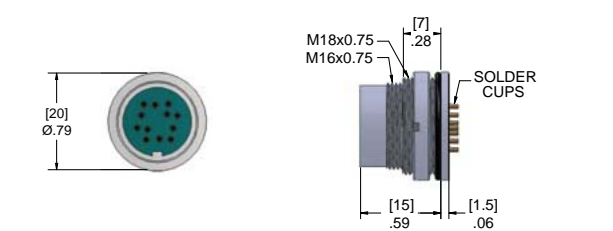
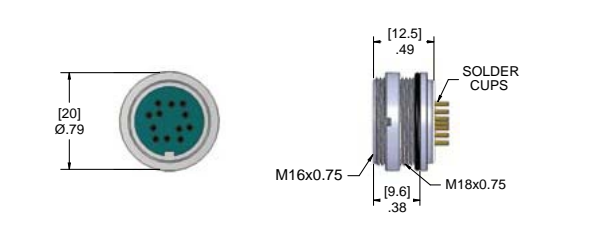


Receptacle Drawings

MCVH Panel Mount | MCL Front Mount | MCL Back Mount

E

M16, M23 & M27 Series

MCVH, Panel Mount, Male, Crimp Pins Page E-43	MCVH, Panel Mount, Female, Crimp Pins Page E-43
 <p>Front view: [19.8] .78 Sq, [26] 1.0 Sq, [3.2] 0.125</p> <p>Side view: [39.4] 1.55, [4.7] .19, AXIAL O-RING, M23x1, [1] .04</p>	 <p>Front view: [19.8] .78 Sq, [26] 1.0 Sq, [3.2] 0.125</p> <p>Side view: [39.4] 1.55, [4.7] .19, AXIAL O-RING, M23x1, [1] .04</p>
MCVH, Panel Mount, Male, Crimp Pins, Right Angle Page E-43	MCVH, Panel Mount, Female, Crimp Pins, Right Angle Page E-43
 <p>Front view: [19.8] .78 Sq, [26] 1.0 Sq, [3.2] 0.125</p> <p>Side view: [51] 2.0, [25.4] 1.0, M23x1, [39.4] 1.55, [4.7] .18, [37] 1.45, [1.9] .07</p>	 <p>Front view: [19.8] .78 Sq, [26] 1.0 Sq, [3.2] 0.125</p> <p>Side view: [51] 2.0, [25.4] 1.0, M23x1, [39.4] 1.55, [4.7] .18, [37] 1.45, [1.9] .07</p>
MCL, Front Mount, Male, M18 Threads, Solder Cups Page E-44	MCL, Front Mount, Female, M18 Threads, Solder Cups Page E-44
 <p>Front view: [20] .79</p> <p>Side view: [11] .43, [5] .20, SOLDER CUPS, M16x0.75, M18x0.75</p>	 <p>Front view: [20] .79</p> <p>Side view: [12.2] .48, [1.5] .06, SOLDER CUPS, M16x0.75, M18x0.75</p>
MCL, Back Mount, Male, Solder Cups Page E-44	MCL, Back Mount, Female, Solder Cups Page E-44
 <p>Front view: [20] Ø.79</p> <p>Side view: [7] .28, M18x0.75, M16x0.75, SOLDER CUPS, [15] .59, [1.5] .06</p>	 <p>Front view: [20] Ø.79</p> <p>Side view: [12.5] .49, M16x0.75, M18x0.75, SOLDER CUPS, [9.6] .38</p>



<p>MCX, Front Mount, Male, M20 Threads Page E-45</p>	<p>MCX, Front Mount, Male, M25 Threads Page E-45</p>
<p>MCX, Front Mount, Male, M25 Long Threads Page E-45</p>	<p>MCX, Front Mount, Male, PG21 Threads Page E-45</p>
<p>MCX, Back Mount, Male Page E-46</p>	<p>MCX, PCB Back Mount, Male Page E-46</p>

E
M16, M23 & M27 Series



MCV (M23) Series Receptacles

6, 7 & 12 Conductor M23 Series Receptacles, 16/18AWG



Front Mount Receptacles | 1/2"-14 NPT | Metric Threads | IP67 Rating



6 & 7 pole are not UL listed.

E
M23 Series

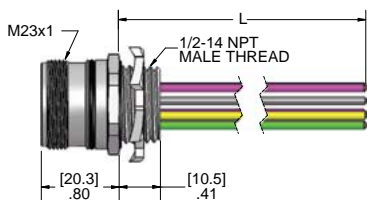
# of Poles	Male Faceview	Color Code	Wire AWG Rating	Mounting Threads	Male Receptacles	Female Receptacles
6	 M23 x 1	1. White 4. Orange 2. Red 5. Black 3. Green/Yellow 6. Blue	16 AWG 600V 8A	1/2-14 NPT	MCV-6MR-**-**	MCV-6FR-**-**
				M20	MCV-6MR-**-M20	MCV-6FR-**-M20
				M20L	MCV-6MR-**-M20L	MCV-6FR-**-M20L
7	 M23 x 1	1. White/Black 5. Orange 2. Black 6. Blue 3. White 7. Green/Yellow 4. Red	16 AWG 600V 8A	1/2-14 NPT	MCV-7MR-**-**	MCV-7FR-**-**
				M20	MCV-7MR-**-M20	MCV-7FR-**-M20
				M20L	MCV-7MR-**-M20L	MCV-7FR-**-M20L
12	 M23 x 1	1. Brown 7. Gray 2. Brown/White 8. Pink 3. Blue 9. Red 4. White 10. Black 5. Green 11. Violet 6. Yellow 12. Green/Yellow	18 AWG 300V 4A	1/2-14 NPT	MCV-12MR-**-**	MCV-12FR-**-**
				M20	MCV-12MR-**-M20	MCV-12FR-**-M20
				M20L	MCV-12MR-**-M20L	MCV-12FR-**-M20L

** Length in meters. 0.3m leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

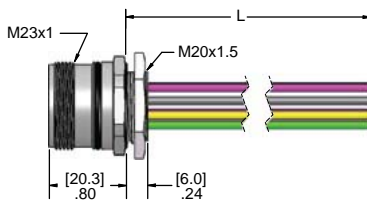
Standard shell is nickel plated brass. Stainless steel shell is available in M20 thread only.

For stainless steel coupling nut add a "-SS" suffix. (e.g. MCV-12FR-1M-M20 becomes MCV-12FR-1M-M20-SS)

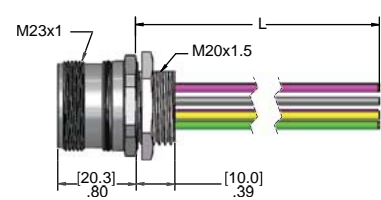
For 1/2" receptacles with lengths of 15" or longer O-ring and lock nut are included.



1/2"-14 NPT Thread



M20 Thread



M20 Long Thread

Specifications:

- Shell: Nickel Plated Brass
- Insulator: PBT
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Lock Nut: Nickel Plated Brass
- Jam Nut: Zinc Plated Steel
- Temperature: -40°C to 105°C (-40°F to +221°F)



MCV (M23) Series Receptacles

16, 17 & 19 Conductor M23 Series Receptacles, 18/22AWG



Front Mount Receptacles | 1/2"-14 NPT Threads | Metric Threads | IP67 Rating

16 & 17 pole are not UL listed.



# of Poles	Male Faceview	Color Code	Wire AWG Rating	Mounting Threads	Male Receptacles	Female Receptacles
16	<p>M23 x 1</p>	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Black 10. Violet 11. Gray/Pink 12. Red/Blue 13. White/Green 14. Brown/Green 15. White/Yellow 16. Yellow/Brown	18 AWG 150V 5A	1/2-14 NPT	MCV-16MR-**	MCV-16FR-**
				M20	MCV-16MR-**-M20	MCV-16FR-**-M20
				M20L	MCV-16MR-**-M20L	MCV-16FR-**-M20L
17	<p>M23 x 1</p>	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Black 10. Violet 11. Gray/Pink 12. Red/Blue 13. White/Green 14. Brown/Green 15. White/Yellow 16. Yellow/Brown 17. White/Gray	18 AWG 150V 5A	1/2-14 NPT	MCV-17MR-**	MCV-17FR-**
				M20	MCV-17MR-**-M20	MCV-17FR-**-M20
				M20L	MCV-17MR-**-M20L	MCV-17FR-**-M20L
19	<p>M23 x 1</p>	1. Violet 2. Red 3. Gray 4. Red/Blue 5. Green 6. Blue*** 7. Gray/Pink 8. White/Green 9. White/Yellow 10. White/Gray 11. Black 12. Green/Yellow*** 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Brown***	18 AWG 150V 5A	1/2-14 NPT	MCV-19MRX-**	MCV-19FRX-**
				M20	MCV-19MRX-**-M20	MCV-19FRX-**-M20
				M20L	MCV-19MRX-**-M20L	MCV-19FRX-**-M20L
			3 x 18 AWG 300V 10A	1/2-14 NPT	MCV-19MR-**	MCV-19FR-**
				M20	MCV-19MR-**-M20	MCV-19FR-**-M20
				M20L	MCV-19MR-**-M20L	MCV-19FR-**-M20L
16 x 22 AWG 300V 1A	1/2-14 NPT	MCV-19MR-**	MCV-19FR-**			
	M20	MCV-19MR-**-M20	MCV-19FR-**-M20			
	M20L	MCV-19MR-**-M20L	MCV-19FR-**-M20L			

E
M23 Series

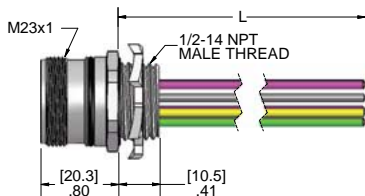
** Length in meters. 0.3m leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

*** Brown, Blue, and Green/Yellow are 18 AWG wires.

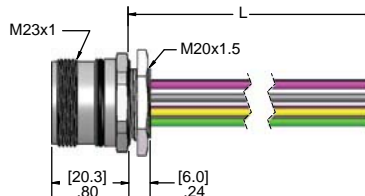
Standard shell is nickel plated brass. Stainless steel shell is available in M20 thread only

For stainless steel coupling nut add a "-SS" suffix. (e.g. MCV-19FR-1M-M20 becomes MCV-19FR-1M-M20-SS)

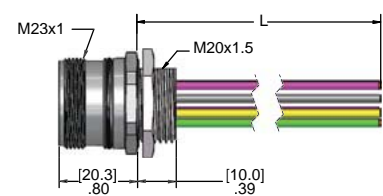
For 1/2" receptacles with lengths of 15" or longer O-ring and lock nut are included.



1/2"-14 NPT Thread



M20 Thread



M20 Long Thread

Specifications:

Shell: Nickel Plated Brass

Insulator: PBT

Contacts: Copper Alloy with Gold Plating

O-Ring: NBR

Lock Nut: Nickel Plated Brass

Jam Nut: Zinc Plated Steel

Temperature: -40°C to 105°C (-40°F to +221°F)



MCV (M23) Series Receptacles

6, 7 & 12 Conductor M23 Series Receptacles, 16/18AWG



Back Mount Receptacles | IP67 Rating



6 & 7 pole are not UL listed.

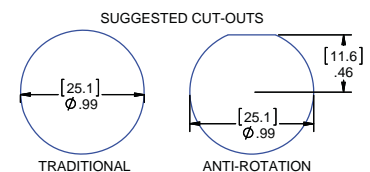
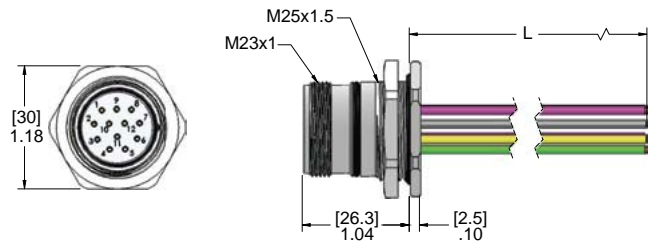
E
M23 Series

# of Poles	Male Faceview	Color Code	Wire AWG Rating	Male Receptacles	Female Receptacles
6	<p>M23 x 1</p>	1. White 4. Orange 2. Red 5. Black 3. Green/Yellow 6. Blue	16 AWG 600V 8A	MCV-6MR-**-BM	MCV-6FR-**-BM
7	<p>M23 x 1</p>	1. White/Black 5. Orange 2. Black 6. Blue 3. White 7. Green/Yellow 4. Red	16 AWG 600V 8A	MCV-7MR-**-BM	MCV-7FR-**-BM
12	<p>M23 x 1</p>	1. Brown 7. Gray 2. Brown/White 8. Pink 3. Blue 9. Red 4. White 10. Black 5. Green 11. Violet 6. Yellow 12. Green/Yellow	18 AWG 300V 4A	MCV-12MR-**-BM	MCV-12FR-**-BM

** Length in meters. 0.3m leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Specifications:

Shell: Nickel Plated Brass
 Insulator: PBT
 Contacts: Copper Alloy with Gold Plating
 O-Ring: NBR
 Jam Nut: Nickel Plated Brass
 Temperature: -40°C to 105°C (-40°F to +221°F)





MCV (M23) Series Receptacles

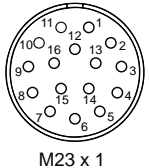
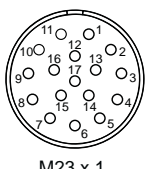
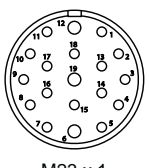
16, 17 & 19 Conductor M23 Series Receptacles, 18/22AWG



Back Mount Receptacles | IP67 Rating

16 & 17 pole are not UL listed.



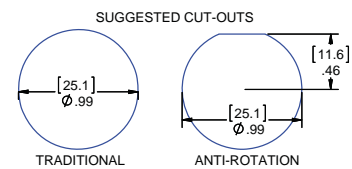
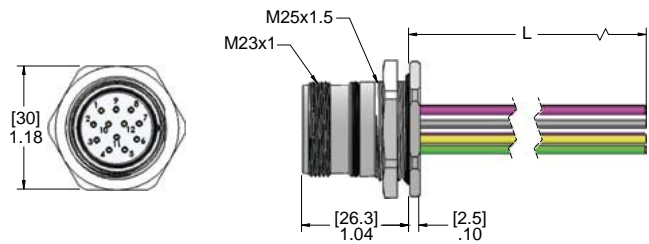
Male Faceview	# of Poles	Color Code		Wire AWG Rating	Male Receptacles	Female Receptacles
 M23 x 1	16	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red	9. Black 10. Violet 11. Gray/Pink 12. Red/Blue 13. White/Green 14. Brown/Green 15. White/Yellow 16. Yellow/Brown	18 AWG 150V 5A	MCV-16MR-**-BM	MCV-16FR-**-BM
 M23 x 1	17	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Black	10. Violet 11. Gray/Pink 12. Red/Blue 13. White/Green 14. Brown/Green 15. White/Yellow 16. Yellow/Brown 17. White/Gray	18 AWG 150V 5A	MCV-17MR-**-BM	MCV-17FR-**-BM
 M23 x 1	19	1. Violet 2. Red 3. Gray 4. Red/Blue 5. Green 6. Blue*** 7. Gray/Pink 8. White/Green 9. White/Yellow 10. White/Gray	11. Black 12. Green/Yellow*** 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Brown***	18 AWG 150V 5A	MCV-19MRX-**-BM	MCV-19FRX-**-BM
				3 x 18 AWG 300V 5A 16 x 22 AWG 300V 1A	MCV-19MR-**-BM	MCV-19FR-**-BM

E
M23 Series

** Length in meters. 0.3m leads are standard. Longer lead lengths are available, please consult the factory for part numbers.
*** Brown, Blue, and Green/Yellow are 18 AWG wires.

Specifications:

- Shell: Nickel Plated Brass
- Insulator: PBT
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Jam Nut: Nickel Plated Brass
- Temperature: -40°C to 105°C (-40°F to +221°F)





MCV (M23) Series Receptacles

6, 7 & 12 Conductor M23 Series Receptacles, 16/18AWG



Panel Mount Receptacles | M2.7 & M3.2 Thru Hole | IP67 Rating

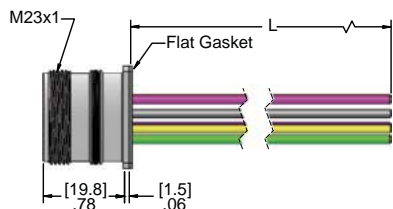
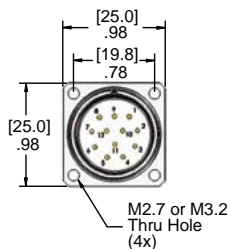


6 & 7 pole are not UL listed.

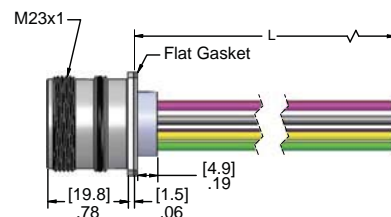
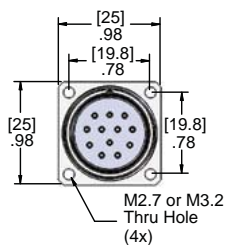
E
M23 Series

# of Poles	Male Faceview	Color Code	Wire AWG Rating	Thru Hole Size	Male Receptacles	Female Receptacles	
						Male Threads	Female Threads
6	<p>M23 x 1</p>	1. White 2. Red 3. Green/Yellow 4. Orange 5. Black 6. Blue	16 AWG 600V 8A	M2.7	MCV-6MR**-PM27	MCV-6FR**-PM27	MCV-6FRF**-PM27
				M3.2	MCV-6MR**-PM32	MCV-6FR**-PM32	MCV-6FRF**-PM32
7	<p>M23 x 1</p>	1. White/Black 2. Black 3. White 4. Red 5. Orange 6. Blue 7. Green/Yellow	16 AWG 600V 8A	M2.7	MCV-7MR**-PM27	MCV-7FR**-PM27	MCV-7FRF**-PM27
				M3.2	MCV-7MR**-PM32	MCV-7FR**-PM32	MCV-7FRF**-PM32
12	<p>M23 x 1</p>	1. Brown 2. Brown/White 3. Blue 4. White 5. Green 6. Yellow 7. Gray 8. Pink 9. Red 10. Black 11. Violet 12. Green/Yellow	18 AWG 300V 4A	M2.7	MCV-12MR**-PM27	MCV-12FR**-PM27	MCV-12FRF**-PM27
				M3.2	MCV-12MR**-PM32	MCV-12FR**-PM32	MCV-12FRF**-PM32

** Length in meters. 0.3m leads are standard. Longer lead lengths are available, please consult the factory for part numbers.



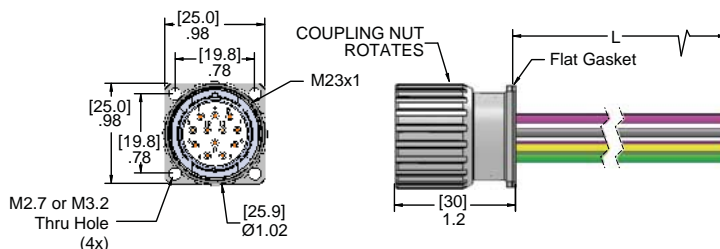
Male Receptacle



Female Receptacle with Male Thread

Specifications:

- Shell: Nickel Plated Brass
- Insulator: PBT
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Temperature: -40°C to 105°C (-40°F to +221°F)



Female Receptacle with Female Thread



MCV (M23) Series Receptacles

16, 17 & 19 Conductor M23 Series Receptacles, 18/22AWG



Panel Mount Receptacles | M2.7 & M3.2 Thru Hole | IP67 Rating

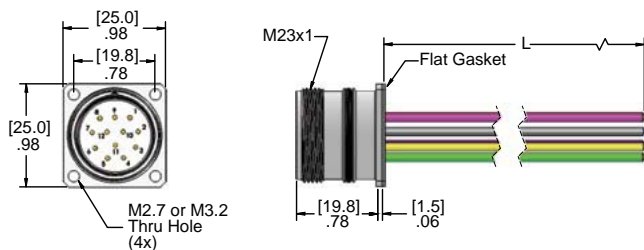
16 & 17 pole are not UL listed.



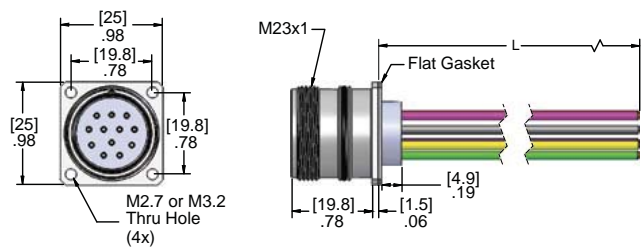
# of Poles	Male Faceview	Color Code	Wire AWG Rating	Thru Hole Size	Male Receptacles	Female Receptacles
16	<p>M23 x 1</p>	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Black 10. Violet 11. Gray/Pink 12. Red/Blue 13. White/Green 14. Brown/Green 15. White/Yellow 16. Yellow/Brown	18 AWG 150V 10A	M2.7	MCV-16MR-**-PM27	MCV-16FR-**-PM27
				M3.2	MCV-16MR-**-PM32	MCV-16FR-**-PM32
17	<p>M23 x 1</p>	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Black 10. Violet 11. Gray/Pink 12. Red/Blue 13. White/Green 14. Brown/Green 15. White/Yellow 16. Yellow/Brown 17. White/Gray	18 AWG 150V 10A	M2.7	MCV-17MR-**-PM27	MCV-17FR-**-PM27
				M3.2	MCV-17MR-**-PM32	MCV-17FR-**-PM32
19	<p>M23 x 1</p>	1. Violet 2. Red 3. Gray 4. Red/Blue 5. Green 6. Blue*** 7. Gray/Pink 8. White/Green 9. White/Yellow 10. White/Gray 11. Black 12. Green/Yellow*** 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Brown***	18 AWG 150V 10A	M2.7	MCV-19MRX-**-PM27	MCV-19FRX-**-PM27
				M3.2	MCV-19MRX-**-PM32	MCV-19FRX-**-PM32
			3 x 18 AWG 300V 10A	M2.7	MCV-19MR-**-PM27	MCV-19FR-**-PM27
				M3.2	MCV-19MR-**-PM32	MCV-19FR-**-PM32
16 x 22 AWG 300V 1A	M2.7	MCV-19MR-**-PM27	MCV-19FR-**-PM27			
	M3.2	MCV-19MR-**-PM32	MCV-19FR-**-PM32			

E
M23 Series

** Length in meters. 0.3m leads are standard. Longer lead lengths are available, please consult the factory for part numbers.
*** Brown, Blue, and Green/Yellow are 18 AWG wires.



Male Receptacle



Female Receptacle with Male Thread

Specifications:

Shell: Nickel Plated Brass
 Insulator: PBT
 Contacts: Copper Alloy with Gold Plating

O-Ring: NBR
 Temperature: -40°C to 105°C (-40°F to +221°F)



MCV (M23) Series Receptacles

6, 7 & 12 Conductor M23 Series Receptacles, 16/18AWG



Rear Mount Receptacles | M2.5 & M3.0 Tapped Hole | IP67 Rating

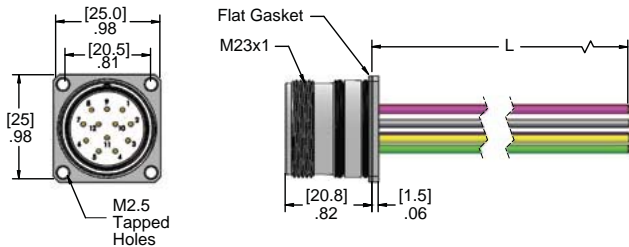


6 & 7 pole are not UL listed.

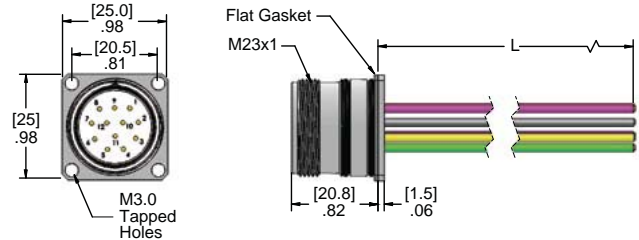
E
M23 Series

# of Poles	Male Faceview	Color Code	Wire AWG Rating	Tapped Hole Size	Male Receptacles	Female Receptacles
6	<p>M23 x 1</p>	1. White 4. Orange 2. Red 5. Black 3. Green/Yellow 6. Blue	16 AWG 600V 8A	M2.5	MCV-6MR-**-RM25	MCV-6FR-**-RM25
				M3.0	MCV-6MR-**-RM30	MCV-6FR-**-RM30
7	<p>M23 x 1</p>	1. White/Black 5. Orange 2. Black 6. Blue 3. White 7. Green/Yellow 4. Red	16 AWG 600V 8A	M2.5	MCV-7MR-**-RM25	MCV-7FR-**-RM25
				M3.0	MCV-7MR-**-RM30	MCV-7FR-**-RM30
12	<p>M23 x 1</p>	1. Brown 7. Gray 2. Brown/White 8. Pink 3. Blue 9. Red 4. White 10. Black 5. Green 11. Violet 6. Yellow 12. Green/Yellow	18 AWG 300V 4A	M2.5	MCV-12MR-**-RM25	MCV-12FR-**-RM25
				M3.0	MCV-12MR-**-RM30	MCV-12FR-**-RM30

** Length in meters. 0.3m leads are standard. Longer lead lengths are available, please consult the factory for part numbers.



Male Receptacle



Female Receptacle

Specifications:

- Shell: Nickel Plated Brass
- Insulator: PBT
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Temperature: -40°C to 105°C (-40°F to +221°F)



MCV (M23) Series Receptacles

16, 17 & 19 Conductor M23 Series Receptacles, 18/22AWG



Rear Mount Receptacles | M2.5 & M3.0 Tapped Hole | IP67 Rating

16 & 17 pole are not UL listed.

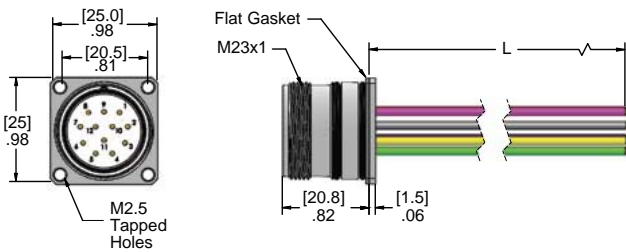


# of Poles	Male Faceview	Color Code		Wire AWG Rating	Tapped Hole Size	Male Receptacles	Female Receptacles
16	<p>M23 x 1</p>	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Black 10. Violet 11. Gray/Pink 12. Red/Blue 13. White/Green 14. Brown/Green 15. White/Yellow 16. Yellow/Brown		18 AWG 150V 5A	M2.5	MCV-16MR**-RM25	MCV-16FR**-RM25
					M3.0	MCV-16MR**-RM30	MCV-16FR**-RM30
17	<p>M23 x 1</p>	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Black 10. Violet 11. Gray/Pink 12. Red/Blue 13. White/Green 14. Brown/Green 15. White/Yellow 16. Yellow/Brown 17. White/Gray		18 AWG 150V 5A	M2.5	MCV-17MR**-RM25	MCV-17FR**-RM25
					M3.0	MCV-17MR**-RM30	MCV-17FR**-RM30
19	<p>M23 x 1</p>	1. Violet 2. Red 3. Gray 4. Red/Blue 5. Green 6. Blue*** 7. Gray/Pink 8. White/Green 9. White/Yellow 10. White/Gray 11. Black 12. Green/Yellow*** 13. Yellow/Brown 14. Brown/Green 15. White 16. Yellow 17. Pink 18. Gray/Brown 19. Brown***		18 AWG 150V 5A	M2.5	MCV-19MRX**-RM25	MCV-19FRX**-RM25
					M3.0	MCV-19MRX**-RM30	MCV-19FRX**-RM30
				3 x 18 AWG 300V 5A	M2.5	MCV-19MR**-RM25	MCV-19FR**-RM25
					M3.0	MCV-19MR**-RM30	MCV-19FR**-RM30
16 x 22 AWG 300V 1A	M2.5	MCV-19MR**-RM25	MCV-19FR**-RM25				
	M3.0	MCV-19MR**-RM30	MCV-19FR**-RM30				

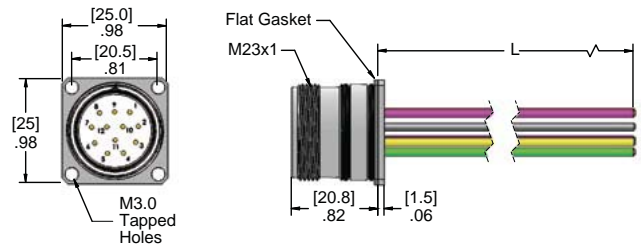
E
M23 Series

** Length in meters. 0.3m leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

*** Brown, Blue, and Green/Yellow are 18 AWG wires.



Male Receptacle



Female Receptacle

Specifications:

Shell: Nickel Plated Brass

Insulator: PBT

Contacts: Copper Alloy with Gold Plating

O-Ring: NBR

Temperature: -40°C to 105°C (-40°F to +221°F)



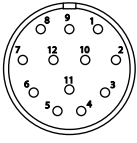
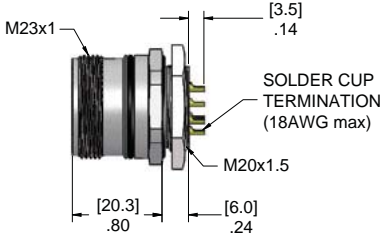
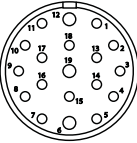
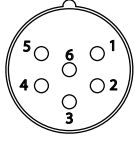
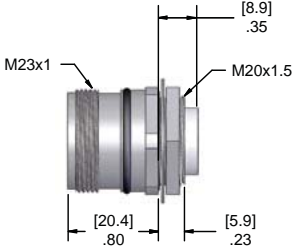
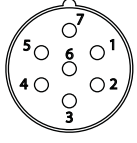
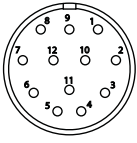
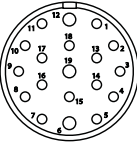
MCV (M23) Series Receptacles

6, 7, 12 & 19 Conductor M23 Series Receptacles



Front Mount Receptacles | Solder Cups | Crimp Pins | IP67 Rating

E
M23 Series

Solder Cups					
# of Poles	Male Faceview	Mounting Threads	Male Receptacles	Female Receptacles	Housing Style
12	 M23 x 1	1/2"-14 NPT	MCV-12MR-SC	MCV-12FR-SC	 M23x1 [3.5] .14 SOLDER CUP TERMINATION (18AWG max) M20x1.5 [20.3] .80 [6.0] .24
		M20	MCV-12MR-M20-SC	MCV-12FR-M20-SC	
19	 M23 x 1	1/2"-14 NPT	MCV-19MR-SC	MCV-19FR-SC	
		M20	MCV-19MR-M20-SC	MCV-19FR-M20-SC	
Crimp Pins					
6	 M23 x 1	M20	MCV-6MR-M20-CC	MCV-6FR-M20-CC	 M23x1 [8.9] .35 M20x1.5 [20.4] .80 [5.9] .23
7	 M23 x 1	M20	MCV-7MR-M20-CC	MCV-7FR-M20-CC	
12	 M23 x 1	M20	MCV-12MR-M20-CC	MCV-12FR-M20-CC	
19	 M23 x 1	M20	MCV-19MR-M20-CC	MCV-19FR-M20-CC	

Crimp pins sold separately. See page E-18 ~ E-20 for part numbers.

Specifications:

- Shell: Nickel Plated Brass
- Insulator: 105°C, Oil Resistant Yellow PVC
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Jam Nut: Nickel Plated Brass
- Temperature: -40°C to 105°C (-40°F to +221°F)

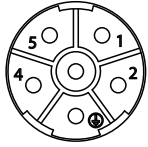
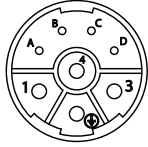


MCVH (M23) Series Receptacles

6 & 8 Conductor M23 Series Receptacles



Panel Mount Receptacles | Crimp Pins | IP67 Rating

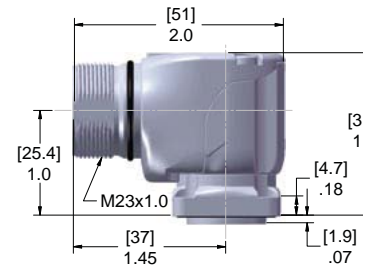
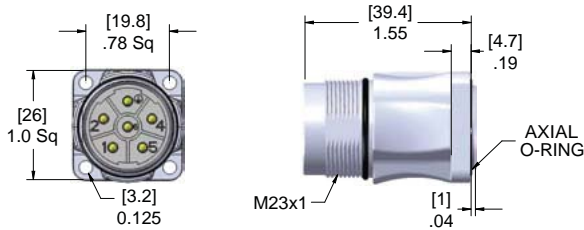
# of Poles	Male Faceview	Male Receptacles		Female Receptacles	
		Straight	Right Angle	Straight	Right Angle
6	 M23 x 1	MCVH-6MR-PM-CC	MCVH-6MR-PM-RT-CC	MCVH-6FR-PM-CC	MCVH-6FR-PM-RT-CC
8	 M23 x 1	MCVH-8MR-PM-CC	MCVH-8MR-PM-RT-CC	MCVH-8FR-PM-CC	MCVH-8FR-PM-RT-CC

E

M23 Series





Straight

Rotatable Right Angle



Specifications:

Body: PM-CC: Nickel Plated Brass
 RT-CC: Nickel Plated Zinc
 Insulator: Polyamide
 Contacts: Copper Alloy with Gold Plating
 O-Ring: FPM
 Temperature: -40°C to +105°C (-40°F to +221°F)

# of Poles	Crimp Pin	Wire AWG	Male Contacts	Female Contacts	
6&8* *Pins 1-4 for the 8 Pole	 Female Contact	 Male Contact	12 AWG	MCVH-MR-PIN-12	MCVH-FR-PIN-12
			14-16 AWG	MCVH-MR-PIN-16	MCVH-FR-PIN-16
			20-24 AWG	MCVH-MR-PIN-20	MCVH-FR-PIN-20
8 Pins A-D	 Female Contact	 Male Contact	18-22 AWG	MCVH-8MR-PIN-18	MCVH-8FR-PIN-18
			24-26 AWG	MCVH-8MR-PIN-24	MCVH-8FR-PIN-24

# of Poles	Crimp Tool	Crimp Tool Locator
6&7	CCPZ-MIL	MCTP-VH6-8

Crimp Tool and Crimp Tool Locator are ordered separately. Locators fit into crimp tool and are necessary for proper crimping.



MCL (M16) Series Receptacles

12 & 14 Conductor MCL Series Receptacles, 24-28AWG



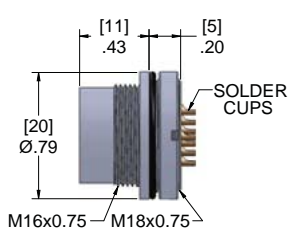
Front & Back Mount | Solder Cup | 60 Volt, 3 amps | IP67 Rating

E
M16 Series

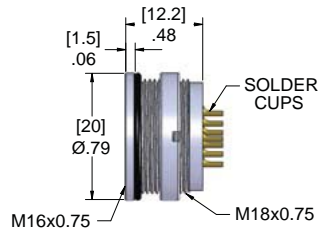
Solder Cup : Front Mount Version					
# of Poles	Male Faceview	Rating	Wire AWG	Male Receptacles	Female Receptacles
12	 M16 x 1	60V 3A	24-28 AWG	MCL-12MR-M18-SC	MCL-12FR-M18-SC
14	 M16 x 1	60V 3A	24-28 AWG	MCL-14MR-M18-SC	MCL-14FR-M18-SC
Solder Cup : Back Mount Version					
12	 M16 x 1	60V 3A	24-28 AWG	MCL-12MR-M18-BM-SC	MCL-12FR-M18-BM-SC
14	 M16 x 1	60V 3A	24-28 AWG	MCL-14MR-M18-BM-SC	MCL-14FR-M18-BM-SC

Front Mount

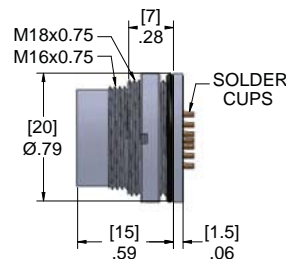
Back Mount



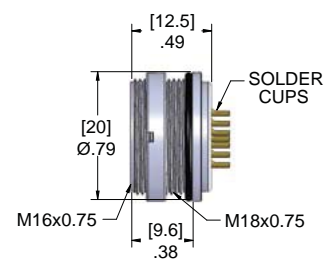
Male Receptacle



Female Receptacle



Male Receptacle



Female Receptacle

Specifications:

- Shell: Nickel Plated Zinc Diecast
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Jam Nut: Nickel Plated Brass
- Insert: PBT
- Temperature: -30°C to +85°C (-22°F to +185°F)



MCX (M27) Series Receptacles

26 & 28 Conductor M27 Series Receptacles

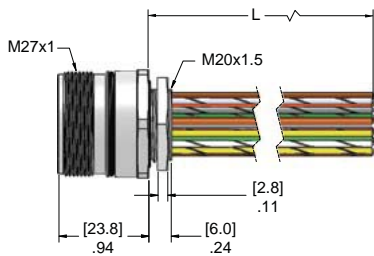


Front Mount | Metric & PG Threads | IP67 Rating

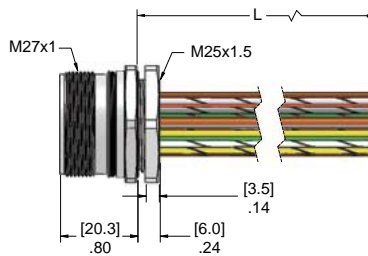
# of Poles	Male Faceview	Color Code	Wire AWG	Mounting Threads	Male Receptacles
26	<p>M27 x 1</p>	1. White 10. Violet 19. White/Pink 2. Brown 11. Gray/Pink 20. Pink/Brown 3. Green 12. Red/Blue 21. White/Blue 4. Yellow 13. White/Green 22. Brown/Blue 5. Gray 14. Brown/Green 23. White/Red 6. Pink 15. White/Yellow 24. Brown/Red 7. Blue 16. Yellow/Brown 25. White/Black 8. Red 17. White/Gray 26. Green Yellow 9. Black 18. Gray/Brown	22 AWG	M20	MCX-26MR-**-M20
				M25	MCX-26MR-**-M25
				M25L	MCX-26MR-**-M25L
				PG21	MCX-26MR-**-PG21
28	<p>M27 x 1</p>	1. White 11. Gray/Pink 11. Gray/Pink 2. Brown 12. Red/Blue 12. Red/Blue 3. Green 13. White/Green 13. White/Green 4. Yellow 14. Brown/Green 14. Brown/Green 5. Gray 15. White/Yellow 15. White/Yellow 6. Pink 16. Yellow/Brown 16. Yellow/Brown 7. Blue 17. White/Gray 17. White/Gray 8. Red 18. Gray/Brown 18. Gray/Brown 9. Black 19. White/Pink 19. White/Pink 10. Violet 20. Pink/Brown 20. Pink/Brown	22 AWG	M20	MCX-28MR-**-M20
				M25	MCX-28MR-**-M25
				M25L	MCX-28MR-**-M25L
				PG21	MCX-28MR-**-PG21

E
M27 Series

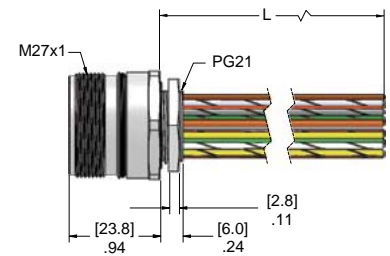
** Length in meters. 0.3m leads are standard. Longer lead lengths are available, please consult the factory for part numbers.



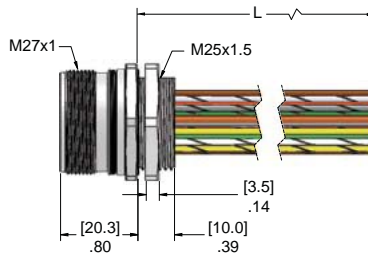
M20 Threads



M25 Threads



PG21 Threads



M25L Threads

Specifications:

Body: Nickel Plated Brass
 Contacts: Copper Alloy with Gold Plating
 Coupling Nut: Nickel Plated Brass
 Insulator: Polyamide

O-Ring: FPM
 Jam Nut: Nickel Plated Brass
 Temperature: -40°C to +105°C (-40°F to +221°F)



MCX (M27) Series Receptacles

26 & 28 Conductor M27 Series Receptacles



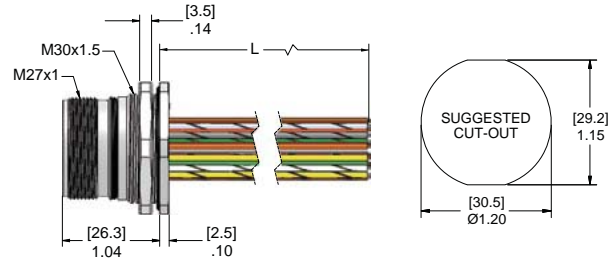
Back Mount | PCB Back Mount | IP67 Rating

E
M27 Series

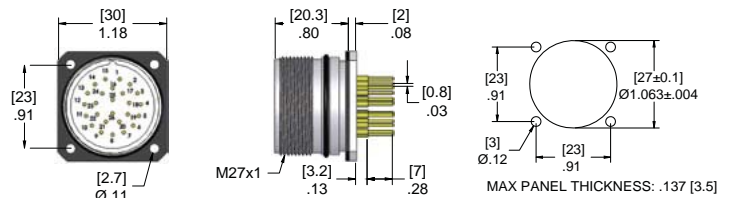
# of Poles	Male Faceview	Color Code	Wire AWG	Termination Type	Male Receptacles
26	<p>M27 x 1</p>	1. White 10. Violet 19. White/Pink 2. Brown 11. Gray/Pink 20. Pink/Brown 3. Green 12. Red/Blue 21. White/Blue 4. Yellow 13. White/Green 22. Brown/Blue 5. Gray 14. Brown/Green 23. White/Red 6. Pink 15. White/Yellow 24. Brown/Red 7. Blue 16. Yellow/Brown 25. White/Black 8. Red 17. White/Gray 26. Green Yellow 9. Black 18. Gray/Brown	22 AWG	Pre-Wired	MCX-26MR-**-BM
				PCB	MCX-26MR-BM-PCB
28	<p>M27 x 1</p>	1. White 11. Gray/Pink 21. White/Blue 2. Brown 12. Red/Blue 22. Brown/Blue 3. Green 13. White/Green 23. White/Red 4. Yellow 14. Brown/Green 24. Brown/Red 5. Gray 15. White/Yellow 25. White/Black 6. Pink 16. Yellow/Brown 26. Green Yellow 7. Blue 17. White/Gray 27. Brown/Black 8. Red 18. Gray/Brown 28. Gray/Green 9. Black 19. White/Pink 10. Violet 20. Pink/Brown	22 AWG	Pre-Wired	MCX-28MR-**-BM
				PCB	MCX-28MR-BM-PCB

** Length in meters. 0.3m leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

PCB Layout					
Pin #	X	Y	Pin #	X	Y
1	1.95	7.47	15	-1.95	7.47
2	4.8	6.06	16	0	5.03
3	6.82	3.65	17	02.82	3.6
4	7.7	0.6	18	4.55	0.97
5	7.28	-2.53	19	4.2	-2.13
6	5.67	-5.2	20	1.83	-4.17
7	3.08	-7.08	21	-1.83	-4.17
8	0	-7.73	22	-4.2	-2.13
9	-3.08	-7.08	23	-4.55	0.97
10	-5.67	-5.2	24	-2.82	3.6
11	-7.28	-2.53	25	0	1.88
12	-7.7	0.6	26	0	-1.6
13	-6.82	3.65	27	2.02	0.14
14	-4.8	6.05	28	-2.02	0.14



Back Mount



PCB Back Mount

Specifications:

Body: Nickel Plated Brass
 Contacts: Copper Alloy with Gold Plating
 Coupling Nut: Nickel Plated Brass
 Insulator: Polyamide

O-Ring: FPM
 Jam Nut: Nickel Plated Brass
 Temperature: -40°C to +105°C (-40°F to +221°F)



MCV, MCVH, MCX & MCL Series Accessories

MCV, MCVH, MCX & MCL Series Jam & Lock Nuts



NPT, PG & Metric Threads

Jam Nuts					
Style	Part #	Thread	A	Thickness	Material
	213M	PG 13.5	21 mm	3.0 mm	Nickel Plated Brass
	221M	PG 21	31.9 mm	3.5 mm	Nickel Plated Brass
	2M20M	M20 x 1.5	24 mm	3.0 mm	Nickel Plated Brass
	2M25M	M25 x 1.5	30 mm	3.5 mm	Nickel Plated Brass
	2M30M	M30 x 1.5	35 mm	3.5 mm	Nickel Plated Brass
Lock Nut					
	212M	1/2" NPT	28.5 mm	3.3 mm	Zinc Plated Steel

E

M16, M23 & M27 Series



Notes:

E

M16, M23 & M27 Series



MIL-SPEC Series

For Harsh Environments, Commercial and Industrial

Over-Molded Cables | Receptacles | Field Wireables | Accessories

The original U.S. Department of Defense circular connectors were developed in the 1930s for severe aeronautical and tactical service applications. These early connectors were referred to as "Type AN" (Army-Navy). This series set the standard for modern military circular connectors. Today, these connectors are often called Military Standard, "MIL-STD", "MIL-SPEC", "MIL-EQUAL" or "MIL-EQUIV" connectors. They are commonly used in aerospace, industrial, marine, commercial, and automotive applications.

As a result of their acknowledged ruggedness and durability, they have become widely accepted in industrial applications. Mencom has designed, and now offers an Industrial Equivalent, to the MIL-Spec 5015 connector series, in order to meet the strong demand from various industries.

Applications

- Communications systems
- Motorized Conveyors
- Factory automation
- Motion control
- Industrial machinery
- Industrial Instrumentation
- Medical instrumentation
- Mining equipment
- Mobile equipment
- Earth-moving equipment
- Motors
- Robotics
- Sensors
- Ships
- Transportation

5015 Industrial MIL-SPEC Equivalent

Mencom MIL-Spec circular connectors include completely over-molded cord sets and pre-wired & epoxied panel mount receptacles. This plug and play design simplifies the installation for the user and eliminates the risk of incorrectly wiring the connector. The same size connector may offer a choice of contact sizes and arrangements that allow for power, signal, or combinations of both to perfectly fit your application.

The end-user no longer has to assemble the connectors or mess around with soldering, unless they prefer our field installable version. The standard connectors are provided with the familiar North American Color Codes recognized in the industrial market, but customer specific cables and color codes are possible upon request.



F

MIL-SPEC

MIL-SPEC Series

5015 Industrial Equivalent, Available in Size 10SL, 14S, 16S and 18



Contents

Cordsets	Part Number Matrix	F-3
	Insert Arrangement	F-4 ~ F-5
	10SL	F-6 ~ F-7
	14S	F-8 ~ F-11
	16S	F-12 ~ F-15
	18	F-16 ~ F-21

Field Wireable Plugs	10SL	F-22
	14S	F-23 ~ F-24
	16S	F-25
	18	F-26 ~ F-27

Receptacles	Part Number Matrix	F-29	
	Index	F-30 ~ F-31	
	Panel Mount	10SL	F-32
		14S	F-33 ~ F-34
		16S	F-35
		18	F-36 ~ F-37
	Panel Mount Solder Cup	10SL	F-38
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		16S	F-41
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MIL-SPEC Series Cordsets

5015 Industrial Equiv. Cordsets Part Number Matrix



Not all options available with all cables - Please consult factory



Shell Size

- 10SL
- 14S
- 16S
- 18

Cable Type

- Blank = PVC
- M = Foil Shield
- B = Braided Shield
- P = PUR
- W = TPE

Number of Conductors

- 2
- 3
- 4
- 5
- 6
- 7
- 10

Insert Clocking Position

- A
- B
- C
- D

Coupling Nut

- Blank = Nickel Plated Aluminum
- BA = Black Anodized Aluminum

Cable Color

- Blank = Yellow
- B = Black

Length in Meters

- 1M
- 2M
- 4M
- 5M
- 6M
- 10M
- 15M

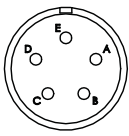
Other lengths are available by request.

Connector Configuration

- MP = Male Plug - 16 awg
- FP = Female Plug - 16 awg
- MFP = Male / Female Extension - 16 awg
- MPX = Male Plug - 18 awg
- FPX = Female Plug - 18 awg
- MFPX = Male / Female Extension - 18 awg

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MIL-SPEC Series Insert Arrangement

MIL-SPEC 5015 Industrial Equiv. Cross Reference



2, 3, 4 & 5 Pole | Contact Size 16

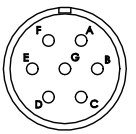
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Size 10SL: 0.6250"-24NEF						
	2 Pole	3 Pole		4 Pole	5 Pole (5, 5A, 5B)	
Male Faceview				N/A	N/A	
Insert Arrangement	10SL-2	10SL-3				
5015 Cross Reference	10SL-4	10SL-3				
Size 14S: 0.8750"-20UNEF						
Male Faceview						
Insert Arrangement	14S-2	14S-3A	14S-3B	14S-3C	14S-4	14S-5
5015 Cross Reference	14S-9	14S-1	14S-7	14S-12	14S-2	14S-5
Size 16S: 1.000"-20UNEF						
Male Faceview				N/A		
Insert Arrangement	16S-2	16S-3A	16S-3B		16S-5	
5015 Cross Reference	16S-4	16S-5	16S-6		16S-B	
Size 18: 1.1250"-18UNEF						
Male Faceview	N/A					
Insert Arrangement		18-3	18-4	18-5A	18-5B	
5015 Cross Reference		18-22	18-4	18-20	18-29	



MIL-SPEC Series Insert Arrangement

MIL-SPEC 5015 Industrial Equiv. Cross Reference



5, 6, 7 & 10 Pole | Contact Size 16

Size 10SL: 0.6250"-24NEF						
	5 Pole (5C, 5D)	6 Pole	7 Pole	10 Pole		
Male Faceview	N/A	N/A	N/A	N/A		
Insert Arrangement						
5015 Cross Reference						
Size 14S: 0.8750"-20UNEF						
Male Faceview				N/A		
Insert Arrangement		14S-6	14S-7			
5015 Cross Reference		14S-6	14S-A7			
Size 16S: 1.000"-20UNEF						
Male Faceview		N/A		N/A		
Insert Arrangement			16S-7			
5015 Cross Reference			16S-1			
Size 18: 1.1250-18UNEF						
Male Faceview				N/A		
Insert Arrangement	18-5C	18-5D	18-6	18-10A	18-10B	
5015 Cross Reference	18-30	18-31	18-12	18-11	18-19	

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MIL-SPEC Series Cordsets

2 & 3 Conductor 5015 Industrial Equiv. Cordsets, 16AWG



Straight Male Cordsets | Size 10SL | 600 Volt, 13 amps | IP67 Rating



F

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Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MS10SL-2MP-**	Yellow PVC STOOW 2 X 16 AWG 600V, 13A -40°C to +150°C 9.5mm OD	Industry Standard PVC	North American A. White B. Black	 10SL-2 0.6250"-24NEF
	MS10SL-3MP-** (Yellow) MS10SL-3MP-**-B (Black)	PVC STOOW 3 X 16 AWG 600V, 13A -40°C to 105°C 10mm OD	Industry Standard PVC	North American A. Green/Yellow B. Black C. White	 10SL-3 0.6250"-24NEF
	MS10SLP-3MP-**	Yellow PUR AWM 3 X 16 AWG 600V, 13A -40°C to 80°C 10mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MS10SLW-3MP-** (YELLOW) MS10SLW-3MP-**-B (BLACK)	TPE SEOOW 3 X 16 AWG 600V, 13A -40°C to 80°C 10mm OD	Weld Slag Resistant TPE		

** Lengths in meters. Standard Cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated aluminum, for black anodized aluminum coupling nut add a "-BA" suffix. (e.g. MS10SL-3MP-1M becomes MS10SL-3MP-1M-BA)



MIL-SPEC Series Cordsets

2 & 3 Conductor 5015 Industrial Equiv. Cordsets, 16AWG



Straight Female Cordsets | Size 10SL | 600 Volt, 13 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MS10SL-2FP-**	Yellow PVC ST00W 2 X 16 AWG 600V, 13A -40°C to +150°C 9.5mm OD	Industry Standard PVC	North American A. White B. Black	 10SL-2 0.6250"-24NEF
	MS10SL-3FP-** (Yellow) MS10SL-3FP-**-B (Black)	PVC ST00W 3 X 16 AWG 600V, 13A -40°C to 105°C 10mm OD	Industry Standard PVC		
	MS10SLP-3FP-**	Yellow PUR AWM 3 X 16 AWG 600V, 13A -40°C to 80°C 10mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR	North American A. Green/Yellow B. Black C. White	 10SL-3 0.6250"-24NEF
	MS10SLW-3FP-** (YELLOW) MS10SLW-3FP-**-B (BLACK)	TPE SE00W 3 X 16 AWG 600V, 13A -40°C to 80°C 10mm OD	Weld Slag Resistant TPE		

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** Lengths in meters. Standard Cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated aluminum, for black anodized aluminum coupling nut add a "-BA" suffix. (e.g. MS10SL-3FP-1M becomes MS10SL-3FP-1M-BA)



MIL-SPEC Series Cordsets


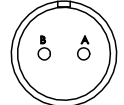

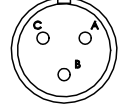
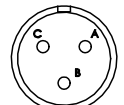
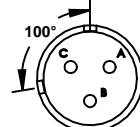

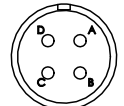
2, 3 & 4 Conductor 5015 Industrial Equiv. Cordsets, 16AWG



Straight Male Cordsets | Size 14S | 600 Volt, 13/10 amps | IP67 Rating



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MIL-SPEC

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MS14S-2MP-**	Yellow PVC STOOW 2 X 16 AWG 600V, 13A -40°C to +150°C 9.5mm OD	Industry Standard PVC	North American A. White B. Black	 14S-2 0.8750"-20UNEF
	MS14S-3AMP-** MS14S-3BMP-** MS14S-3CMP-** (Yellow)	PVC STOOW 3 X 16 AWG 600V, 13A -40°C to 105°C 10mm OD	Industry Standard PVC	North American A. Green/Yellow B. Black C. White	 14S-3A 0.8750"-20UNEF
	MS14S-3AMP-**-B MS14S-3BMP-**-B MS14S-3CMP-**-B (Black)				
	MS14SP-3AMP-** MS14SP-3BMP-** MS14SP-3CMP-**	Yellow PUR AWM 3 X 16 AWG 600V, 13A -40°C to 80°C 10mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		 14S-3B 0.8750"-20UNEF
	MS14SW-3AMP-** MS14SW-3BMP-** MS14SW-3CMP-** (YELLOW)	TPE SEOOW 3 X 16 AWG 600V, 13A -40°C to 80°C 10mm OD	Weld Slag Resistant TPE	North American A. Green/Yellow B. Black C. White	 14S-3C 0.8750"-20UNEF
	MS14S-4MP-** (YELLOW)	PVC STOOW 4 X 16 AWG 600V, 10A -40°C to 105°C 10.8mm OD	Industry Standard PVC	North American A. Black B. White C. Red D. Green/Yellow	 14S-4 0.8750"-20UNEF
	MS14S-4MP-**-B (BLACK)				
	MS14SM-4MP-**	Yellow PVC STOOW With Foil Shield 4 X 16 AWG 600V, 10A -40°C to 80°C 10.8mm OD	Industry Standard PVC Foil Shield		
	MS14SW-4MP-**	Yellow TPE SEOOW 4 X 16 AWG 600V, 10A -40°C to 80°C 10.8mm OD	Weld Slag Resistant TPE		

** Lengths in meters. Standard Cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated aluminum, for black anodized aluminum coupling nut add a "-BA" suffix. (e.g. MS14S-3MP-1M becomes MS14S-3MP-1M-BA)
Insert clocking, where available, is indicated by placing 'A, B or C' after the pin count in the part number. (e.g. MS14S-3MP-** becomes MS14S-3AMP-**)



MIL-SPEC Series Cordsets

2, 3 & 4 Conductor 5015 Industrial Equiv. Cordsets, 16AWG



Straight Female Cordsets | Size 14S | 600 Volt, 13/10 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview	
	MS14S-2FP-**	Yellow PVC STOOW 2 X 16 AWG 600V, 13A -40°C to +150°C 9.5mm OD	Industry Standard PVC	North American A. White B. Black	 14S-2 0.8750"-20UNEF	
	MS14S-3AFP-** MS14S-3BFP-** MS14S-3CFP-** (Yellow) MS14S-3AFP-**-B MS14S-3BFP-**-B MS14S-3CFP-**-B (Black)	PVC STOOW 3 X 16 AWG 600V, 13A -40°C to 105°C 10mm OD	Industry Standard PVC	Oil and Cutting Fluid Resistant Cut Resistant PUR	North American A. Green/Yellow B. Black C. White	 14S-3A 0.8750"-20UNEF
	MS14SP-3AFP-** MS14SP-3BFP-** MS14SP-3CFP-**	Yellow PUR AWM 3 X 16 AWG 600V, 13A -40°C to 80°C 10mm OD	 14S-3B 0.8750"-20UNEF			
	MS14SW-3AFP-** MS14SW-3BFP-** MS14SW-3CFP-** (YELLOW) MS14SW-3AFP-**-B MS14SW-3BFP-**-B MS14SW-3CFP-**-B (BLACK)	TPE SEOOW 3 X 16 AWG 600V, 13A -40°C to 80°C 10mm OD	Weld Slag Resistant TPE	North American A. Green/Yellow B. Black C. White	 14S-3C 0.8750"-20UNEF	
	MS14S-4FP-** (YELLOW) MS14S-4FP-**-B (BLACK)	PVC STOOW 4 X 16 AWG 600V, 10A -40°C to 105°C 10.8mm OD	Industry Standard PVC	Weld Slag Resistant TPE	North American A. Black B. White C. Red D. Green/Yellow	 14S-4 0.8750"-20UNEF
	MS14SM-4FP-**	Yellow PVC STOOW With Foil Shield 4 X 16 AWG 600V, 10A -40°C to 80°C 10.8mm OD	Industry Standard PVC Foil Shield			
MS14SW-4FP-**	Yellow TPE SEOOW 4 X 16 AWG 600V, 10A -40°C to 80°C 10.8mm OD					

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** Lengths in meters. Standard Cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.
 Standard coupling nut is nickel plated aluminum, for black anodized aluminum coupling nut add a "BA" suffix. (e.g. MS14S-3FP-1M becomes MS14S-3FP-1M-BA)
 Insert locking, where available, is indicated by placing 'A, B or C' after the pin count in the part number. (e.g. MS14S-3FP-** becomes MS14S-3AFP-**)



MIL-SPEC Series Cordsets

5, 6 & 7 Conductor 5015 Industrial Equiv. Cordsets, 16/18AWG



Straight Male Cordsets | Size 14S | 600V, 8A | 300V, 8A | IP67 Rating



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Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MS14S-5MP-** (Yellow)	PVC STOOW 5 X 16 AWG 600V, 8A -40°C to 105°C 13.1mm OD	Industry Standard PVC	North American A. White B. Red C. Green/Yellow D. Orange E. Black	 14S-5 0.8750"-20UNEF
	MS14S-5MP-**-B (Black)				
	MS14SM-5MP-**	Yellow PVC STOOW With Foil Shield 5 X 16 AWG 600V, 8A -40°C to 80°C 13.1mm OD	Industry Standard PVC Foil Shield		
	MS14SW-5MP-**	Yellow TPE SEOOW 5 X 16 AWG 600V, 8A -40°C to 80°C 13.1mm OD	Weld Slag Resistant TPE		
	MS14SP-5MPX-**	Yellow PUR AWM 5 X 18 AWG 300V, 8A -40°C to 80°C 13.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MS14S-6MP-**	Yellow PVC STOOW 6 X 16 AWG 600V, 8A -40°C to 105°C 13.3mm OD	Industry Standard PVC	North American A. White B. Red C. Green/Yellow D. Orange E. Black F. Blue	 14S-6 0.8750"-20UNEF
	MS14S-6MPX-**	Yellow PVC SJTOOW 6 X 18 AWG 300V, 8A -40°C to 105°C 10.1mm OD	Industry Standard PVC		
	MS14SP-6MPX-**	Yellow PUR AWM 6 X 18 AWG 300V, 8A -40°C to 105°C 10.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MS14S-7MPX-**	Yellow PVC SJTOOW 7 X 18 AWG 300V, 8A -40°C to 105°C 10.1mm OD	Industry Standard PVC	North American A. White/Black B. Black C. White D. Red E. Orange F. Blue G. Green/Yellow	 14S-7 0.8750"-20UNEF
	MS14SP-7MPX-**	Yellow PUR AWM 7 X 18 AWG 300V, 8A -40°C to 105°C 10.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

** Lengths in meters. Standard Cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated aluminum, for black anodized aluminum coupling nut add a "-BA" suffix. (e.g. MS14S-5MP-1M becomes MS14S-5MP-1M-BA)

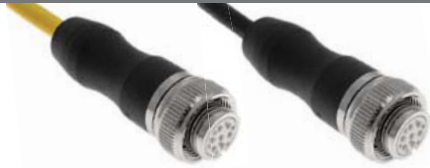



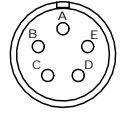

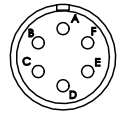
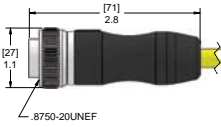
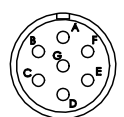
MIL-SPEC Series Cordsets

5, 6 & 7 Conductor 5015 Industrial Equiv. Cordsets, 16/18AWG



Straight Female Cordsets | Size 14S | 600V, 8A | 300V, 8A | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MS14S-5FP-** (Yellow)	PVC STOOW 5 X 16 AWG 600V, 8A -40°C to 105°C 13.1mm OD	Industry Standard PVC	North American A. White B. Red C. Green/Yellow D. Orange E. Black	 14S-5 0.8750"-20UNEF
	MS14S-5FP-**-B (Black)				
	MS14SM-5FP-**	Yellow PVC STOOW With Foil Shield 5 X 16 AWG 600V, 8A -40°C to 80°C 13.1mm OD	Industry Standard PVC Foil Shield		
	MS14SW-5FP-**	Yellow TPE SEOWW 5 X 16 AWG 600V, 8A -40°C to 80°C 13.1mm OD	Weld Slag Resistant TPE		
	MS14SP-5FPX-**	Yellow PUR AWM 5 X 18 AWG 300V, 8A -40°C to 80°C 13.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MS14S-6FP-**	Yellow PVC STOOW 6 X 16 AWG 600V, 8A -40°C to 105°C 13.3mm OD	Industry Standard PVC	North American A. White B. Red C. Green/Yellow D. Orange E. Black F. Blue	 14S-6 0.8750"-20UNEF
	MS14S-6FPX-**	Yellow PVC SJTOOW 6 X 18 AWG 300V, 8A -40°C to 105°C 10.1mm OD	Industry Standard PVC		
	MS14SP-6FPX-**	Yellow PUR AWM 6 X 18 AWG 300V, 8A -40°C to 105°C 10.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MS14S-7FPX-**	Yellow PVC SJTOOW 7 X 18 AWG 300V, 8A -40°C to 105°C 10.1mm OD	Industry Standard PVC	North American A. White/Black B. Black C. White D. Red E. Orange F. Blue G. Green/Yellow	 14S-7 0.8750"-20UNEF
	MS14SP-7FPX-**	Yellow PUR AWM 7 X 18 AWG 300V, 8A -40°C to 105°C 10.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

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** Lengths in meters. Standard Cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated aluminum, for black anodized aluminum coupling nut add a "-BA" suffix. (e.g. MS14S-5FP-1M becomes MS14S-5FP-1M-BA)



MIL-SPEC Series Cordsets

2 & 3 Conductor 5015 Industrial Equiv. Cordsets, 16AWG



Straight Male Cordsets | Size 16S | 600 Volt, 13 amps | IP67 Rating



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MIL-SPEC

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MS16S-2MP-**	Yellow PVC STOOW 2 X 16 AWG 600V, 13A -40°C to 105°C 9.5mm OD	Industry Standard PVC	North American A. White B. Black	 16S-2 1.000"-20UNEF
	MS16S-3AMP-** MS16S-3BMP-** (YELLOW)	PVC STOOW 3 X 16 AWG 600V, 13A -40°C to 105°C 10mm OD	Industry Standard PVC	North American A. Green/Yellow B. Black C. White	 16S-3A 1.000"-20UNEF
	MS16S-3AMP-**-B MS16S-3BMP-**-B (BLACK)				 16S-3A 1.000"-20UNEF
	MS16SP-3AMP-** MS16SP-3BMP-**	Yellow PUR AWM 3 X 16 AWG 600V, 13A -40°C to 80°C 10mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		 16S-3B 1.000"-20UNEF
	MS16SW-3AMP-** MS16SW-3BMP-** (YELLOW)	TPE SEOOW 3 X 16 AWG 600V, 13A -40°C to 80°C 10mm OD	Weld Slag Resistant TPE		 16S-3B 1.000"-20UNEF
	MS16SW-3AMP-**-B MS16SW-3BMP-**-B (BLACK)				 16S-3B 1.000"-20UNEF

** Lengths in meters. Standard Cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated aluminum, for black anodized aluminum coupling nut add a "BA" suffix. (e.g. MS16S-3MP-1M becomes MS16S-3MP-1M-BA)

Insert clocking, where available, is indicated by placing 'A or B' after the pin count in the part number. (e.g. MS16S-3MP-** becomes MS16S-3AMP-**)



MIL-SPEC Series Cordsets

2 & 3 Conductor 5015 Industrial Equiv. Cordsets, 16AWG



Straight Female Cordsets | Size 16S | 600 Volt, 13 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MS16S-2FP-**	Yellow PVC STOOW 2 X 16 AWG 600V, 13A -40°C to 105°C 9.5mm OD	Industry Standard PVC	North American A. White B. Black	 16S-2 1.000"-20UNEF
	MS16S-3AFP-** MS16S-3BFP-** (YELLOW)	PVC STOOW 3 X 16 AWG 600V, 13A -40°C to 105°C 10mm OD	Industry Standard PVC	North American A. Green/Yellow B. Black C. White	 16S-3A 1.000"-20UNEF
	MS16S-3AFP-**-B MS16S-3BFP-**-B (BLACK)				
	MS16SP-3AFP-** MS16SP-3BFP-**	Yellow PUR AWM 3 X 16 AWG 600V, 13A -40°C to 80°C 10mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MS16SW-3AFP-** MS16SW-3BFP-** (YELLOW)	TPE SEOOW 3 X 16 AWG 600V, 13A -40°C to 80°C 10mm OD	Weld Slag Resistant TPE		 16S-3B 1.000"-20UNEF
	MS16SW-3AFP-**-B MS16SW-3BFP-**-B (BLACK)				

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MIL-SPEC

** Lengths in meters. Standard Cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated aluminum, for black anodized aluminum coupling nut add a "-BA" suffix. (e.g. MS16S-3FP-1M becomes MS16S-3FP-1M-BA)

Insert clocking, where available, is indicated by placing 'A or B' after the pin count in the part number. (e.g. MS16S-3FP-** becomes MS16S-3AFP-**)



MIL-SPEC Series Cordsets

5 & 7 Conductor 5015 Industrial Equiv. Cordsets, 16/18AWG



Straight Male Cordsets | Size 16S | 600V, 8A | 300V, 8A | IP67 Rating



F
MIL-SPEC

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MS16S-5MP-** (YELLOW)	PVC STOOW 5 X 16 AWG 600V, 8A -40°C to 105°C 13.1mm OD	Industry Standard PVC	North American A. White B. Red C. Green/Yellow D. Orange E. Black	<p>16S-5 1.000"-20UNEF</p>
	MS16S-5MP-**-B (BLACK)				
	MS16SM-5MP-**	Yellow PVC STOOW With Foil Shield 5 X 16 AWG 600V, 8A -40°C to 80°C 13.1mm OD	Industry Standard PVC Foil Shield		
	MS16SW-5MP-**	Yellow TPE SEOOW 5 X 16 AWG 600V, 8A -40°C to 80°C 13.1mm OD	Weld Slag Resistant TPE		
	MS16SP-5MPX-**	Yellow PUR AWM 5 X 18 AWG 300V, 8A -40°C to 80°C 13.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MS16S-7MPX-**	Yellow PVC SJTOOW 7 X 18 AWG 300V, 8A -40°C to 105°C 10.1mm OD	Industry Standard PVC	North American A. White/Black B. Black C. White D. Red E. Orange F. Blue G. Green/Yellow	<p>16S-7 1.000"-20UNEF</p>
	MS16SP-7MPX-**	Yellow PUR AWM 7 X 18 AWG 300V, 8A -40°C to 105°C 10.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

** Lengths in meters. Standard Cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated aluminum, for black anodized aluminum coupling nut add a "-BA" suffix. (e.g. MS16S-5MP-1M becomes MS16S-5MP-1M-BA)



MIL-SPEC Series Cordsets

5 & 7 Conductor 5015 Industrial Equiv. Cordsets, 16/18AWG



Straight Female Cordsets | Size 16S | 600V, 8A | 300V, 8A | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MS16S-5FP-** (YELLOW) MS16S-5FP-**-B (BLACK)	PVC ST00W 5 X 16 AWG 600V, 8A -40°C to 105°C 13.1mm OD	Industry Standard PVC	North American A. White B. Red C. Green/Yellow D. Orange E. Black	 16S-5 1.000"-20UNEF
	MS16SM-5FP-**	Yellow PVC ST00W With Foil Shield 5 X 16 AWG 600V, 8A -40°C to 80°C 13.1mm OD	Industry Standard PVC Foil Shield		
	MS16SW-5FP-**	Yellow TPE SE00W 5 X 16 AWG 600V, 8A -40°C to 80°C 13.1mm OD	Weld Slag Resistant TPE		
	MS16SP-5FPX-**	Yellow PUR AWM 5 X 18 AWG 300V, 8A -40°C to 80°C 13.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MS16S-7FPX-**	Yellow PVC SJT00W 7 X 18 AWG 300V, 8A -40°C to 105°C 10.1mm OD	Industry Standard PVC	North American A. White/Black B. Black C. White D. Red E. Orange F. Blue G. Green/Yellow	 16S-7 1.000"-20UNEF
	MS16SP-7FPX-**	Yellow PUR AWM 7 X 18 AWG 300V, 8A -40°C to 105°C 10.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

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MIL-SPEC

** Lengths in meters. Standard Cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.
 Standard coupling nut is nickel plated aluminum, for black anodized aluminum coupling nut add a "-BA" suffix. (e.g. MS16S-5FP-1M becomes MS16S-5FP-1M-BA)



MIL-SPEC Series Cordsets

3 & 4 Conductor 5015 Industrial Equiv. Cordsets, 16AWG



Straight Male Cordsets | Size 18 | 600 Volt, 13/10 amps | IP67 Rating



F
MIL-SPEC

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MS18-3MP-** (YELLOW) MS18-3MP-**-B (BLACK)	PVC STOOW 3 X 16 AWG 600V, 13A -40°C to 105°C 10mm OD	Industry Standard PVC	North American A. Green/Yellow B. Black G. White	<p>18-3 1.1250-18UNEF</p>
	MS18P-3MP-**	Yellow PUR AWM 3 X 16 AWG 600V, 13A -40°C to 80°C 10mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MS18W-3MP-** (YELLOW) MS18W-3MP-**-B (BLACK)	TPE SEOOW 3 X 16 AWG 600V, 13A -40°C to 80°C 10mm OD	Weld Slag Resistant TPE		
	MS18-4MP-** (YELLOW) MS18-4MP-**-B (BLACK)	PVC STOOW 4 X 16 AWG 600V, 10A -40°C to 105C 10.8mm OD	Industry Standard PVC	North American A. Black B. White C. Red D. Green/Yellow	<p>18-4 1.1250-18UNEF</p>
	MS18M-4MP-**	Yellow PVC STOOW With Foil Shield 4 X 16 AWG 600V, 10A -40°C to 80C 10.8mm OD	Industry Standard PVC Foil Shield		
	MS18W-4MP-**	Yellow TPE SEOOW 4 X 16 AWG 600V, 10A -40°C to 80C 10.8mm OD	Weld Slag Resistant TPE		

** Lengths in meters. Standard Cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated aluminum, for black anodized aluminum coupling nut add a "-BA" suffix. (e.g. MS18-3MP-1M becomes MS18-3MP-1M-BA)



MIL-SPEC Series Cordsets

3 & 4 Conductor 5015 Industrial Equiv. Cordsets, 16AWG



Straight Female Cordsets | Size 18 | 600 Volt, 13/10 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MS18-3FP-** (YELLOW)	PVC STOOW 3 X 16 AWG 600V, 13A -40°C to 105°C 10mm OD	Industry Standard PVC	North American A. Green/Yellow B. Black G. White	 18-3 1.1250-18UNEF
	MS18-3FP-**-B (BLACK)				
	MS18P-3FP-**	Yellow PUR AWM 3 X 16 AWG 600V, 13A -40°C to 80°C 10mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MS18W-3FP-** (YELLOW)	TPE SEOOW 3 X 16 AWG 600V, 13A -40°C to 80°C 10mm OD	Weld Slag Resistant TPE	North American A. Black B. White C. Red D. Green/Yellow	 18-4 1.1250-18UNEF
	MS18W-3FP-**-B (BLACK)				
	MS18M-4FP-**	Yellow PVC STOOW With Foil Shield 4 X 16 AWG 600V, 10A -40°C to 80C 10.8mm OD	Industry Standard PVC Foil Shield		
	MS18-4FP-** (YELLOW)	PVC STOOW 4 X 16 AWG 600V, 10A -40°C to 105C 10.8mm OD	Industry Standard PVC	North American A. Black B. White C. Red D. Green/Yellow	 18-4 1.1250-18UNEF
	MS18-4FP-**-B (BLACK)				
	MS18W-4FP-**	Yellow TPE SEOOW 4 X 16 AWG 600V, 10A -40°C to 80C 10.8mm OD	Weld Slag Resistant TPE		

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** Lengths in meters. Standard Cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.
Standard coupling nut is nickel plated aluminum, for black anodized aluminum coupling nut add a "-BA" suffix. (e.g. MS18-3FP-1M becomes MS18-3FP-1M-BA)



MIL-SPEC Series Cordsets

5 Conductor 5015 Industrial Equiv. Cordsets, 16AWG



Straight Male Cordsets | Size 18 | 600 Volt, 8 amps | IP67 Rating



F
MIL-SPEC

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MS18-5AMP-** MS18-5BMP-** MS18-5CMP-** MS18-5DMP-** (YELLOW) MS18-5AMP-**-B MS18-5BMP-**-B MS18-5CMP-**-B MS18-5DMP-**-B (BLACK)	PVC STOOW 5 X 16 AWG 600V, 8A -40°C to 105°C 13.1mm OD	Industry Standard PVC	North American A. White B. Red C. Green/Yellow D. Orange E. Black	 18-5A 1.1250-18UNEF
	MS18M-5AMP-** MS18M-5BMP-** MS18M-5CMP-** MS18M-5DMP-**	Yellow PVC STOOW With Foil Shield 5 X 16 AWG 600V, 8A -40°C to 80°C 13.1mm OD	Industry Standard PVC Foil Shield		 18-5B 1.1250-18UNEF
	MS18P-5AMP-** MS18P-5BMP-** MS18P-5CMP-** MS18P-5DMP-**	Yellow PUR AWM 5 X 16 AWG 600V, 8A -40°C to 80°C 13.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		 18-5C 1.1250-18UNEF
	MS18W-5AMP-** MS18W-5BMP-** MS18W-5CMP-** MS18W-5DMP-**	Yellow TPE SEOOW 5 X 16 AWG 600V, 8A -40°C to 80C 13.1mm OD	Weld Slag Resistant TPE		 18-5D 1.1250-18UNEF

** Lengths in meters. Standard Cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated aluminum, for black anodized aluminum coupling nut add a "-BA" suffix. (e.g. MS18-5MP-1M becomes MS18-5MP-1M-BA)

Insert clocking, where available, is indicated by placing 'A, B, C or D' after the pin count in the part number. (e.g. MS18S-5MP-** becomes MS18S-5AMP-**)



MIL-SPEC Series Cordsets

5 Conductor 5015 Industrial Equiv. Cordsets, 16AWG



Straight Female Cordsets | Size 18 | 600 Volt, 8 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MS18-5AFP-** MS18-5BFP-** MS18-5CFP-** MS18-5DFP-** (YELLOW) MS18-5AFP-**-B MS18-5BFP-**-B MS18-5CFP-**-B MS18-5DFP-**-B (BLACK)	PVC STOOV 5 X 16 AWG 600V, 8A -40°C to 105°C 13.1mm OD	Industry Standard PVC	North American A. White B. Red C. Green/Yellow D. Orange E. Black	 18-5A 1.1250-18UNEF
	MS18M-5AFP-** MS18M-5BFP-** MS18M-5CFP-** MS18M-5DFP-**	Yellow PVC STOOV With Foil Shield 5 X 16 AWG 600V, 8A -40°C to 80°C 13.1mm OD	Industry Standard PVC Foil Shield		 18-5B 1.1250-18UNEF
	MS18P-5AFP-** MS18P-5BFP-** MS18P-5CFP-** MS18P-5DFP-**	Yellow PUR AWM 5 X 16 AWG 600V, 8A -40°C to 80°C 13.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		 18-5C 1.1250-18UNEF
	MS18W-5AFP-** MS18W-5BFP-** MS18W-5CFP-** MS18W-5DFP-**	Yellow TPE SEOOV 5 X 16 AWG 600V, 8A -40°C to 80°C 13.1mm OD	Weld Slag Resistant TPE		 18-5D 1.1250-18UNEF

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** Lengths in meters. Standard Cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated aluminum, for black anodized aluminum coupling nut add a "-BA" suffix. (e.g. MS18-5FP-1M becomes MS18-5FP-1M-BA)

Insert clocking, where available, is indicated by placing 'A, B, C or D' after the pin count in the part number. (e.g. MS18S-5FP-** becomes MS18S-5AFP-**)



MIL-SPEC Series Cordsets

6 & 10 Conductor 5015 Industrial Equiv. Cordsets, 16/18AWG



Straight Male Cordsets | Size 18 | 600V, 8A | 300V, 8/4A | IP67 Rating



F
MIL-SPEC

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MS18-6MP-**	Yellow PVC STOOW 6 X 16 AWG 600V, 8A -40°C to 105°C 13.3mm OD	Industry Standard PVC	North American A. White B. Red C. Green/Yellow D. Orange E. Black F. Blue	 18-6 1.1250-18UNEF
	MS18-6MPX-**	Yellow PVC SJTOOW With Foil Shield 6 X 18 AWG 300V, 5.5A -40°C to 105°C 10.1mm OD	Industry Standard PVC Foil Shield		
	MS18P-6MPX-**	Yellow PUR AWM 6 X 18 AWG 300V, 8A -40°C to 105°C 10.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MS18-10AMP-**	Yellow PVC SJTOOW 10 X 18 AWG 300V, 4A -40°C to 105°C 10.1mm OD	Industry Standard PVC	North American A. Orange B. Blue C. White/Black D. Red/Black E. Green/Black F. Orange/Black G. Red H. Green/Yellow I. Black J. White	 18-10A 1.1250-18UNEF
	MS18P-10AMP-**	Yellow PUR AWM 10 X 18 AWG 300V, 4A -40°C to 80°C 13.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MS18-10BMPX-**	Yellow PVC SJTOOW 10 X 18 AWG 300V, 4A -40°C to 105°C 10.1mm OD	Industry Standard PVC		
	MS18P-10BMPX-**	Yellow PUR AWM 10 X 18 AWG 300V, 4A -40°C to 80°C 13.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

** Lengths in meters. Standard Cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated aluminum, for black anodized aluminum coupling nut add a "BA" suffix. (e.g. MS18-6MP-1M becomes MS18-6MP-1M-BA)

Insert clocking, where available, is indicated by placing 'A' or 'B' after the pin count in the part number. (e.g. MS18S-10MP-** becomes MS18S-10AMP-**)



MIL-SPEC Series Cordsets

6 & 10 Conductor 5015 Industrial Equiv. Cordsets, 16/18AWG



Straight Female Cordsets | Size 18 | 600V, 8A | 300V, 8/4A | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MS18-6FPX-**-*	Yellow PVC STOOW 6 X 16 AWG 600V, 8A -40°C to 105°C 13.3mm OD	Industry Standard PVC	North American A. White B. Red C. Green/Yellow D. Orange E. Black F. Blue	 18-6 1.1250-18UNEF
	MS18-6FPX-**-*	Yellow PVC SJTOOW With Foil Shield 6 X 18 AWG 300V, 5.5A -40°C to 105°C 10.1mm OD	Industry Standard PVC Foil Shield		
	MS18P-6FPX-**-*	Yellow PUR AWM 6 X 18 AWG 300V, 8A -40°C to 105°C 10.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MS18-10AFPX-**-*	Yellow PVC SJTOOW 10 X 18 AWG 300V, 4A -40°C to 105°C 10.1mm OD	Industry Standard PVC	North American A. Orange B. Blue C. White/Black D. Red/Black E. Green/Black F. Orange/Black G. Red H. Green/Yellow I. Black J. White	 18-10A 1.1250-18UNEF
	MS18P-10AFPX-**-*	Yellow PUR AWM 10 X 18 AWG 300V, 4A -40°C to 80°C 13.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MS18-10BFPX-**-*	Yellow PVC SJTOOW 10 X 18 AWG 300V, 4A -40°C to 105°C 10.1mm OD	Industry Standard PVC		
	MS18P-10BFPX-**-*	Yellow PUR AWM 10 X 18 AWG 300V, 4A -40°C to 80°C 13.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

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** Lengths in meters. Standard Cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated aluminum, for black anodized aluminum coupling nut add a "BA" suffix. (e.g. MS18-6FP-1M becomes MS18-6FP-1M-BA)

Insert locking, where available, is indicated by placing 'A or B' after the pin count in the part number. (e.g. MS18S-10FP-**-* becomes MS18S-10AFP-**-*)



MIL-SPEC Series Field Wireable Plugs


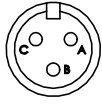
2 & 3 Conductor 5015 Industrial Equiv. Field Wireable Plugs, 16-18AWG



Field Wireable Plugs | Size 10SL | 600 Volt, 13 amps MAX | IP67 Rating



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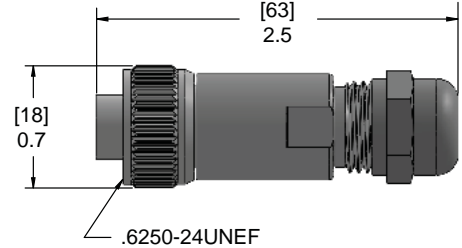
# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Male Plugs	Female Plugs
2	 10SL-2 0.6250"-24NEF	600V Max 13A Max	16-18 AWG	3-9 mm	MS10SL-2MP-FW16-SC	MS10SL-2FP-FW16-SC
3	 10SL-3 0.6250"-24NEF	600V Max 13A Max	16-18 AWG	3-9 mm	MS10SL-3MP-FW16-SC	MS10SL-3FP-FW16-SC

Voltage and Amperage ratings are cable dependent and are based on 600V 16AWG Cable.

Termination made by solder cup.

Specifications:

- Body: Nickel Plated Brass
- Contacts: Copper Alloy with Silver Plating
- Cable Seal: CR/NBR & TPE
- Coupling Nut: Nickel Plated Brass
- Insert: PBT
- Connections: Solder Cup Terminals
- Temperature: -40 °C to +105°C (-40°F to +194°F)





MIL-SPEC Series Field Wireable Plugs

2 & 3 Conductor 5015 Industrial Equiv. Field Wireable Plugs, 16-18AWG



Field Wireable Plugs | Size 14S | 600 Volt, 13 amps MAX | IP67 Rating



# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Male Plugs	Female Plugs
2	 14S-2 0.8750"-20UNEF	600V Max 13A Max	16-18 AWG	5-13 mm	MS14S-2MP-FW20-SC	MS14S-2FP-FW20-SC
3	 14S-3A 0.8750"-20UNEF	600V Max 13A Max	16-18 AWG	5-13 mm	MS14S-3AMP-FW20-SC	MS14S-3AFP-FW20-SC
	 14S-3B 0.8750"-20UNEF	600V Max 13A Max	16-18 AWG	5-13 mm	MS14S-3BMP-FW20-SC	MS14S-3BFP-FW20-SC
	 14S-3C 0.8750"-20UNEF	600V Max 13A Max	16-18 AWG	5-13 mm	MS14S-3CMP-FW20-SC	MS14S-3CFP-FW20-SC

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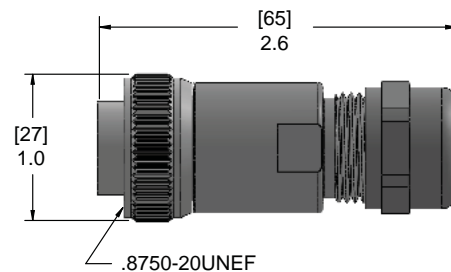
Voltage and Amperage ratings are cable dependent and are based on 600V 16AWG Cable.

Insert clocking, where available, is indicated by placing 'A, B or C' after the pin count in the part number. (e.g. MS14S-3MP-** becomes MS14S-3AMP-**)

Termination made by solder cup.

Specifications:

- Body: Nickel Plated Brass
- Contacts: Copper Alloy with Silver Plating
- Cable Seal: CR/NBR & TPE
- Coupling Nut: Nickel Plated Brass
- Insert: PBT
- Connections: Solder Cup Terminals
- Temperature: -40 °C to +105°C (-40°F to +194°F)





MIL-SPEC Series Field Wireable Plugs

4, 5, 6 & 7 Conductor 5015 Industrial Equiv. Field Wireable Plugs, 16-18AWG



Field Wireable Plugs | Size 14S | 600 Volt, 10/8/5 amps MAX | IP67 Rating



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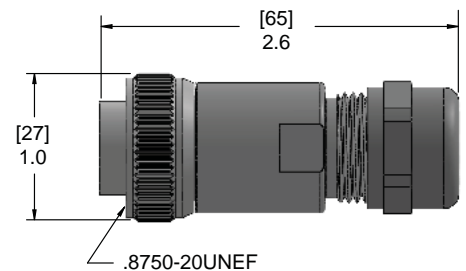
# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Male Plugs	Female Plugs
4	<p>14S-4 0.8750"-20UNEF</p>	600V Max 10A Max	16-18 AWG	5-13 mm	MS14S-4MP-FW20-SC	MS14S-4FP-FW20-SC
5	<p>14S-5 0.8750"-20UNEF</p>	600V Max 8A Max	16-18 AWG	5-13 mm	MS14S-5MP-FW20-SC	MS14S-5FP-FW20-SC
6	<p>14S-6 0.8750"-20UNEF</p>	600V Max 8A Max	16-18 AWG	5-13 mm	MS14S-6MP-FW20-SC	MS14S-6FP-FW20-SC
7	<p>14S-7 0.8750"-20UNEF</p>	600V Max 5A Max	16-18 AWG	5-13 mm	MS14S-7MP-FW20-SC	MS14S-7FP-FW20-SC

Voltage and Amperage ratings are cable dependent and are based on 600V 16AWG Cable.

Termination made by solder cup.

Specifications:

- Body: Nickel Plated Brass
- Contacts: Copper Alloy with Silver Plating
- Cable Seal: CR/NBR & TPE
- Coupling Nut: Nickel Plated Brass
- Insert: PBT
- Connections: Solder Cup Terminals
- Temperature: -40 °C to +105°C (-40°F to +194°F)





MIL-SPEC Series Field Wireable Plugs

2, 3, 5 & 7 Conductor 5015 Industrial Equiv. Field Wireable Plugs, 16-18AWG



Field Wireable Plugs | Size 16S | 600 Volt, 13/8/5 amps MAX | IP67 Rating



# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Male Plugs	Female Plugs
2	<p>16S-2 1.000"-20UNEF</p>	600V Max 13A Max	16-18 AWG	5-13 mm	MS16S-2MP-FW25-SC	MS16S-2FP-FW25-SC
3	<p>16S-3A 1.000"-20UNEF</p>	600V Max 13A Max	16-18 AWG	5-13 mm	MS16S-3AMP-FW25-SC	MS16S-3AFP-FW25-SC
	<p>16S-3B 1.000"-20UNEF</p>	600V Max 13A Max	16-18 AWG	5-13 mm	MS16S-3BMP-FW25-SC	MS16S-3BFP-FW25-SC
5	<p>16S-5 1.000"-20UNEF</p>	600V Max 8A Max	16-18 AWG	5-13 mm	MS16S-5MP-FW25-SC	MS16S-5FP-FW25-SC
7	<p>16S-7 1.000"-20UNEF</p>	600V Max 5A Max	16-18 AWG	5-13 mm	MS16S-7MP-FW25-SC	MS16S-7FP-FW25-SC

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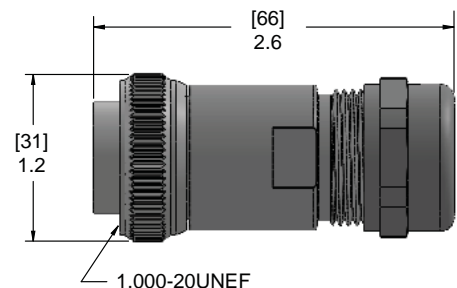
Voltage and Amperage ratings are cable dependent and are based on 600V 16AWG Cable.

Insert clocking, where available, is indicated by placing 'A' or 'B' after the pin count in the part number. (e.g. MS16S-3MP-** becomes MS16S-3AMP-**)

Termination made by solder cup.

Specifications:

- Body: Nickel Plated Brass
- Contacts: Copper Alloy with Silver Plating
- Cable Seal: CR/NBR & TPE
- Coupling Nut: Nickel Plated Brass
- Insert: PBT
- Connections: Solder Cup Terminals
- Temperature: -40 °C to +105°C (-40°F to +194°F)





MIL-SPEC Series Field Wireable Plugs

3, 4 & 5 Conductor 5015 Industrial Equiv. Field Wireable Plugs, 16-18AWG



Field Wireable Plugs | Size 18 | 600 Volt, 13/10/8 amps MAX | IP67 Rating



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# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Male Plugs	Female Plugs										
3	 18-3 1.1250-18UNEF	600V Max 13A Max	16-18 AWG	8-16 mm	MS18-3MP-FW25-SC	MS18-3FP-FW25-SC										
4	 18-4 1.1250-18UNEF	600V Max 10A Max	16-18 AWG	8-16 mm	MS18-4MP-FW25-SC	MS18-4FP-FW25-SC										
5	 18-5A 1.1250-18UNEF	600V Max 8A Max	16-18 AWG	8-16 mm	MS18-5AMP-FW25-SC	MS18-5AFP-FW25-SC										
	 18-5B 1.1250-18UNEF						600V Max 8A Max	16-18 AWG	8-16 mm	MS18-5BMP-FW25-SC	MS18-5BFP-FW25-SC					
	 18-5C 1.1250-18UNEF											600V Max 8A Max	16-18 AWG	8-16 mm	MS18-5CMP-FW25-SC	MS18-5CFP-FW25-SC
	 18-5D 1.1250-18UNEF															

Voltage and Amperage ratings are cable dependent and are based on 600V 16AWG Cable.

Insert clocking, where available, is indicated by placing 'A, B, C or D' after the pin count in the part number. (e.g. MS18-5MP-** becomes MS18-5AMP-**)

Termination made by solder cup.



MIL-SPEC Series Field Wireable Plugs

6 & 10 Conductor 5015 Industrial Equiv. Field Wireable Plugs, 16-18AWG



Field Wireable Plugs | Size 18 | 600 Volt, 8/4 amps MAX | IP67 Rating



# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Male Plugs	Female Plugs
6	<p>18-6 1.1250-18UNEF</p>	600V Max 8A Max	16-18 AWG	8-16 mm	MS18-6MP-FW25-SC	MS18-6FP-FW25-SC
	<p>18-10A 1.1250-18UNEF</p>					
10	<p>18-10A 1.1250-18UNEF</p>	600V Max 4A Max	16-18 AWG	8-16 mm	MS18-10AMP-FW25-SC	MS18-10AFP-FW25-SC
	<p>18-10B 1.1250-18UNEF</p>	600V Max 4A Max	16-18 AWG	8-16 mm	MS18-10BMP-FW25-SC	MS18-10BFP-FW25-SC

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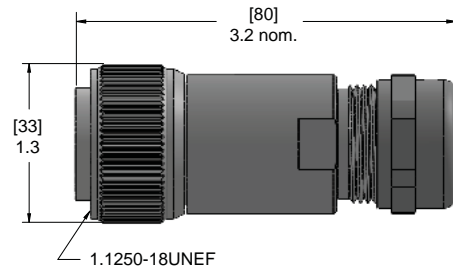
Voltage and Amperage ratings are cable dependent and are based on 600V 16AWG Cable.

Insert clocking, where available, is indicated by placing 'A or B' after the pin count in the part number. (e.g. MS18-10MP-** becomes MS18-10AMP-**)

Termination made by solder cup.

Specifications:

- Body: Nickel Plated Brass
- Contacts: Copper Alloy with Silver Plating
- Cable Seal: CR/NBR & TPE
- Coupling Nut: Nickel Plated Brass
- Insert: PBT
- Connections: Solder Cup Terminals
- Temperature: -40 °C to +105°C (-40°F to +194°F)





Notes:

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MIL-SPEC Series Receptacles

5015 Industrial Equiv. Receptacles Part Number Matrix



Not all options available with all receptacles - Please consult factory

MS - - - - -

Shell Size

- 10SL
- 14S
- 16S
- 18

Number of Conductors

- 2
- 3
- 4
- 5
- 6
- 7
- 10

Insert Clocking Position

- A
- B
- C
- D

Connector Configuration

- MR = Male Receptacle - 16 awg
- FR = Female Receptacle - 16 awg

Termination Type

- Blank = Pre-Wired
- SC = Solder Cup

Mounting Style

- PM = Panel Mount

Wire AWG

- Blank = 16 AWG
- 18 = 18 AWG
- 22 = 22 AWG
- 24 = 24 AWG

Length in Meters

- Blank = No Wire

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MIL-SPEC Series Receptacles

5015 Industrial Equiv. Receptacle Drawings



Panel Mount

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<p>Panel Mount, Male, Size 10SL Page H-32</p>	<p>Panel Mount, Female, Size 10SL Page H-32</p>
<p>Panel Mount, Male, Size 14S Page H-33 ~ H-34</p>	<p>Panel Mount, Female, Size 14S Page H-33 ~ H-34</p>
<p>Panel Mount, Male, Size 16S Page H-35</p>	<p>Panel Mount, Female, Size 16S Page H-35</p>
<p>Panel Mount, Male, Size 18 Page H-36 ~ H-37</p>	<p>Panel Mount, Female, Size 18 Page H-36 ~ H-37</p>

Panel Mount, Male, Size 10SL, Solder Cup Page H-38	Panel Mount, Female, Size 10SL, Solder Cup Page H-38
Panel Mount, Male, Size 14S, Solder Cup Page H-39 ~ H-40	Panel Mount, Female, Size 14S, Solder Cup Page H-39 ~ H-40
Panel Mount, Male, Size 16S, Solder Cup Page H-41	Panel Mount, Female, Size 16S, Solder Cup Page H-41
Panel Mount, Male, Size 18, Solder Cup Page H-42 ~ H-43	Panel Mount, Female, Size 18, Solder Cup Page H-42 ~ H-43

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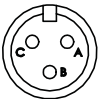
MIL-SPEC Series Receptacles

2 & 3 Conductor 5015 Industrial Equiv. Receptacles



Panel Mount Receptacles | Size 10SL | IP67 Rating

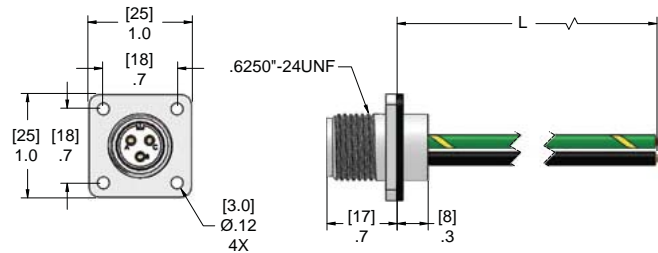
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# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
2	 <p>10SL-2 0.6250"-24NEF</p>	North American A. White B. Black	600V 13A	16 AWG	MS10SL-2MR-PM	MS10SL-2FR-PM
			300V 10A	18 AWG	MS10SL-2MR-18-PM	MS10SL-2FR-18-PM
			300V 4A	22 AWG	MS10SL-2MR-22-PM	MS10SL-2FR-22-PM
3	 <p>10SL-3 0.6250"-24NEF</p>	North American A. Green/Yellow B. Black C. White	600V 13A	16 AWG	MS10SL-3MR-PM	MS10SL-3FR-PM
			300V 10A	18 AWG	MS10SL-3MR-18-PM	MS10SL-3FR-18-PM
			300V 4A	22 AWG	MS10SL-3MR-22-PM	MS10SL-3FR-22-PM

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Specifications:

- Shell: Nickel Plated Zinc Diecast
- Insulator: PBT
- Contacts: Copper Alloy with Silver Plating
- Gasket: NBR
- Insert: PBT
- Temperature: -40°C to +105°C (-40°F to +221°F)





MIL-SPEC Series Receptacles

2 & 3 Conductor 5015 Industrial Equiv. Receptacles



Panel Mount Receptacles | Size 14S | IP67 Rating

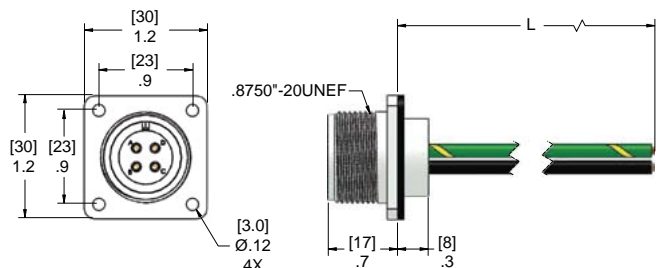
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
2	<p>14S-2 0.8750"-20UNEF</p>	North American A. White B. Black	600V 13A	16 AWG	MS14S-2MR-PM	MS14S-2FR-PM
			300V 10A	18 AWG	MS14S-2MR-18-PM	MS14S-2FR-18-PM
			300V 4A	22 AWG	MS14S-2MR-22-PM	MS14S-2FR-22-PM
3	<p>14S-3A 0.8750"-20UNEF</p>	North American A. Green/Yellow B. Black C. White	600V 13A	16 AWG	MS14S-3AMR-PM	MS14S-3AFR-PM
			300V 10A	18 AWG	MS14S-3AMR-18-PM	MS14S-3AFR-18-PM
			300V 4A	22 AWG	MS14S-3AMR-22-PM	MS14S-3AFR-22-PM
	<p>14S-3B 0.8750"-20UNEF</p>	North American A. Green/Yellow B. Black C. White	600V 13A	16 AWG	MS14S-3BMR-PM	MS14S-3BFR-PM
			300V 10A	18 AWG	MS14S-3BMR-18-PM	MS14S-3BFR-18-PM
			300V 4A	22 AWG	MS14S-3BMR-22-PM	MS14S-3BFR-22-PM
	<p>14S-3C 0.8750"-20UNEF</p>	North American A. Green/Yellow B. Black C. White	600V 13A	16 AWG	MS14S-3CMR-PM	MS14S-3CFR-PM
			300V 10A	18 AWG	MS14S-3CMR-18-PM	MS14S-3CFR-18-PM
			300V 4A	22 AWG	MS14S-3CMR-22-PM	MS14S-3CFR-22-PM

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12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Specifications:

- Shell: Nickel Plated Zinc Diecast
- Insulator: PBT
- Contacts: Copper Alloy with Silver Plating
- Gasket: NBR
- Insert: PBT
- Temperature: -40°C to +105°C (-40°F to +221°F)





MIL-SPEC Series Receptacles

4, 5, 6 & 7 Conductor 5015 Industrial Equiv. Receptacles



Panel Mount Receptacles | Size 14S | IP67 Rating

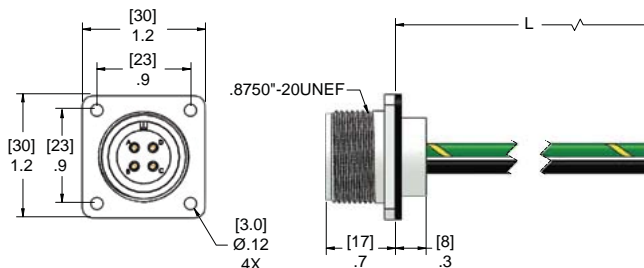
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# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
4	<p>14S-4 0.8750"-20UNEF</p>	North American A. Black B. White C. Red D. Green/Yellow	600V 10A	16 AWG	MS14S-4MR-PM	MS14S-4FR-PM
			300V 5.5A	18 AWG	MS14S-4MR-18-PM	MS14S-4FR-18-PM
			300V 4A	22 AWG	MS14S-4MR-22-PM	MS14S-4FR-22-PM
5	<p>14S-5 0.8750"-20UNEF</p>	North American A. White B. Red C. Green/Yellow D. Orange E. Black	600V 8A	16 AWG	MS14S-5MR-PM	MS14S-5FR-PM
			300V 8A	18 AWG	MS14S-5MR-18-PM	MS14S-5FR-18-PM
			300V 4A	22 AWG	MS14S-5MR-22-PM	MS14S-5FR-22-PM
6	<p>14S-6 0.8750"-20UNEF</p>	North American A. White B. Red C. Green/Yellow D. Orange E. Black F. Blue	600V 8A	16 AWG	MS14S-6MR-PM	MS14S-6FR-PM
			300V 8A	18 AWG	MS14S-6MR-18-PM	MS14S-6FR-18-PM
			300V 4A	22 AWG	MS14S-6MR-22-PM	MS14S-6FR-22-PM
7	<p>14S-7 0.8750"-20UNEF</p>	North American A. White/Black B. Black C. White D. Red E. Orange F. Blue G. Green/Yellow	600V 5A	16 AWG	MS14S-7MR-PM	MS14S-7FR-PM
			300V 8A	18 AWG	MS14S-7MR-18-PM	MS14S-7FR-18-PM
			300V 3A	22 AWG	MS14S-7MR-22-PM	MS14S-7FR-22-PM

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Specifications:

Shell: Nickel Plated Zinc Diecast
 Insulator: PBT
 Contacts: Copper Alloy with Silver Plating
 Gasket: NBR
 Insert: PBT
 Temperature: -40°C to +105°C (-40°F to +221°F)





MIL-SPEC Series Receptacles

2, 3, 5 & 7 Conductor 5015 Industrial Equiv. Receptacles



Panel Mount Receptacles | Size 16S | IP67 Rating

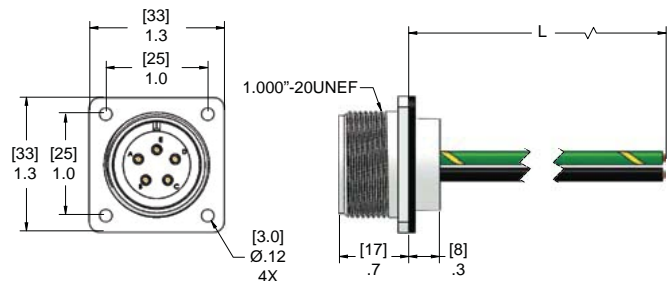
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
2	 16S-2 1.000"-20UNEF	North American A. White B. Black	600V 13A	16 AWG	MS16S-2MR-PM	MS16S-2FR-PM
			300V 10A	18 AWG	MS16S-2MR-18-PM	MS16S-2FR-18-PM
			300V 4A	22 AWG	MS16S-2MR-22-PM	MS16S-2FR-22-PM
3	 16S-3A 1.000"-20UNEF	North American A. Green/Yellow B. Black C. White	600V 13A	16 AWG	MS16S-3AMR-PM	MS16S-3AFR-PM
			300V 10A	18 AWG	MS16S-3AMR-18-PM	MS16S-3AFR-18-PM
			300V 4A	22 AWG	MS16S-3AMR-22-PM	MS16S-3AFR-22-PM
	 16S-3B 1.000"-20UNEF	North American A. Green/Yellow B. Black C. White	600V 10A	16 AWG	MS16S-3BMR-PM	MS16S-3BFR-PM
			300V 10A	18 AWG	MS16S-3BMR-18-PM	MS16S-3BFR-18-PM
			300V 4A	22 AWG	MS16S-3BMR-22-PM	MS16S-3BFR-22-PM
5	 16S-5 1.000"-20UNEF	North American A. White B. Red C. Green/Yellow D. Orange E. Black	600V 8A	16 AWG	MS16S-5MR-PM	MS16S-5FR-PM
			300V 8A	18 AWG	MS16S-5MR-18-PM	MS16S-5FR-18-PM
			300V 4A	22 AWG	MS16S-5MR-22-PM	MS16S-5FR-22-PM
7	 16S-7 1.000"-20UNEF	North American A. White/Black B. Black C. White D. Red E. Orange F. Blue G. Green/Yellow	600V 5A	16 AWG	MS16S-7MR-PM	MS16S-7FR-PM
			300V 8A	18 AWG	MS16S-7MR-18-PM	MS16S-7FR-18-PM
			300V 3A	22 AWG	MS16S-7MR-22-PM	MS16S-7FR-22-PM

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12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Specifications:

- Shell: Nickel Plated Zinc Diecast
- Insulator: PBT
- Contacts: Copper Alloy with Silver Plating
- Gasket: NBR
- Insert: PBT
- Temperature: -40°C to +105°C (-40°F to +221°F)





MIL-SPEC Series Receptacles

3, 4 & 5 Conductor 5015 Industrial Equiv. Receptacles



Panel Mount Receptacles | Size 18 | IP67 Rating

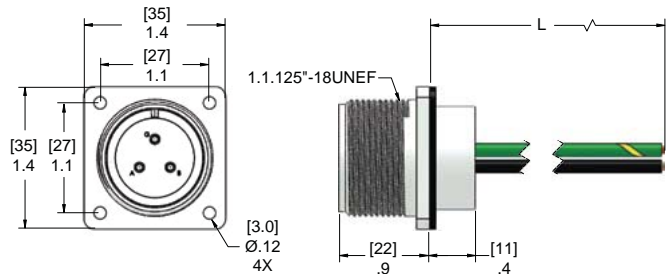
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# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
3	 18-3 1.1250-18UNEF	North American A. Green/Yellow B. Black C. White	600V 13A	16 AWG	MS18-3MR-PM	MS18-3FR-PM
			300V 10A	18 AWG	MS18-3MR-18-PM	MS18-3FR-18-PM
			300V 4A	22 AWG	MS18-3MR-22-PM	MS18-3FR-22-PM
4	 18-4 1.1250-18UNEF	North American A. Black B. White C. Red D. Green/Yellow	600V 10A	16 AWG	MS18-4MR-PM	MS18-4FR-PM
			300V 5.5A	18 AWG	MS18-4MR-18-PM	MS18-4FR-18-PM
			300V 4A	22 AWG	MS18-4MR-22-PM	MS18-4FR-22-PM
5	 18-5A 1.1250-18UNEF	North American A. White B. Red C. Green/Yellow D. Orange E. Black	600V 8A	16 AWG	MS18-5AMR-PM	MS18-5AFR-PM
			300V 5.5A	18 AWG	MS18-5AMR-18-PM	MS18-5AFR-18-PM
			300V 4A	22 AWG	MS18-5AMR-22-PM	MS18-5AFR-22-PM
	 18-5B 1.1250-18UNEF	North American A. White B. Red C. Green/Yellow D. Orange E. Black	600V 8A	16 AWG	MS18-5BMR-PM	MS18-5BFR-PM
			300V 5.5A	18 AWG	MS18-5BMR-18-PM	MS18-5BFR-18-PM
			300V 4A	22 AWG	MS18-5BMR-22-PM	MS18-5BFR-22-PM

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Specifications:

Shell: Nickel Plated Zinc Diecast
 Insulator: PBT
 Contacts: Copper Alloy with Silver Plating
 Gasket: NBR
 Insert: PBT
 Temperature: -40°C to +105°C (-40°F to +221°F)





MIL-SPEC Series Receptacles

5, 6 & 10 Conductor 5015 Industrial Equip. Receptacles



Panel Mount Receptacles | Size 18 | IP67 Rating

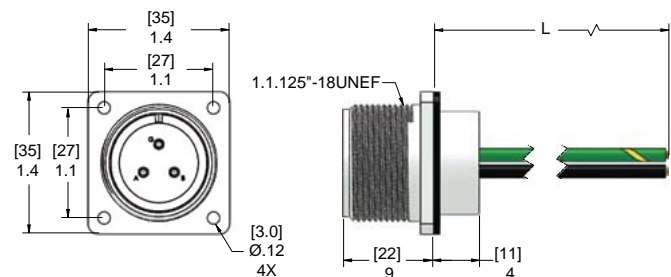
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
5	<p>18-5C 1.1250-18UNEF</p>	North American A. White B. Red C. Green/Yellow D. Orange E. Black	600V 8A	16 AWG	MS18-5CMR-PM	MS18-5CFR-PM
			300V 5.5A	18 AWG	MS18-5CMR-18-PM	MS18-5CFR-18-PM
			300V 4A	22 AWG	MS18-5CMR-22-PM	MS18-5CFR-22-PM
	<p>18-5D 1.1250-18UNEF</p>	North American A. White B. Red C. Green/Yellow D. Orange E. Black	600V 8A	16 AWG	MS18-5DMR-PM	MS18-5DFR-PM
			300V 5.5A	18 AWG	MS18-5DMR-18-PM	MS18-5DFR-18-PM
			300V 4A	22 AWG	MS18-5DMR-22-PM	MS18-5DFR-22-PM
6	<p>18-6 1.1250-18UNEF</p>	North American A. White B. Red C. Green/Yellow D. Orange E. Black F. Blue	600V 8A	16 AWG	MS18-6MR-PM	MS18-6FR-PM
			300V 8A	18 AWG	MS18-6MR-18-PM	MS18-6FR-18-PM
			300V 4A	22 AWG	MS18-6MR-22-PM	MS18-6FR-22-PM
10	<p>18-10A 1.1250-18UNEF</p>	North American A. Orange B. Blue C. White/Black D. Red/Black E. Green/Black F. Orange/Black G. Red H. Green/Yellow I. Black J. White	600V 4A	16 AWG	MS18-10AMR-PM	MS18-10AFR-PM
			300V 4A	18 AWG	MS18-10AMR-18-PM	MS18-10AFR-18-PM
			300V 3A	22 AWG	MS18-10AMR-22-PM	MS18-10AFR-22-PM
	<p>18-10B 1.1250-18UNEF</p>	North American A. Orange B. Blue C. White/Black D. Red/Black E. Green/Black F. Orange/Black G. Red H. Green/Yellow J. Black K. White	600V 4A	16 AWG	MS18-10BMR-PM	MS18-10BFR-PM
			300V 4A	18 AWG	MS18-10BMR-18-PM	MS18-10BFR-18-PM
			300V 3A	22 AWG	MS18-10BMR-22-PM	MS18-10BFR-22-PM

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12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Specifications:

Shell: Nickel Plated Zinc Diecast
 Insulator: PBT
 Contacts: Copper Alloy with Silver Plating
 Gasket: NBR
 Insert: PBT
 Temperature: -40°C to +105°C (-40°F to +221°F)





MIL-SPEC Series Receptacles

2 & 3 Conductor 5015 Industrial Equiv. Receptacles



Panel Mount Receptacles | Size 10SL | Solder Cup | IP67 Rating

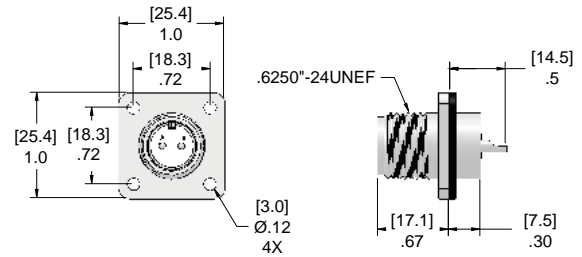
# of Poles	Male Faceview	Rating	Wire AWG	Male Receptacles	Female Receptacles
2	<p>10SL-2 0.6250"-24NEF</p>	600V Max 30A Max	16-18 AWG	MS10SL-2MR-PM-SC	MS10SL-2FR-PM-SC
3	<p>10SL-3 0.6250"-24NEF</p>	600V Max 30A Max	16-18 AWG	MS10SL-3MR-PM-SC	MS10SL-3FR-PM-SC

Voltage and Amperage ratings are cable dependent and are based on 600V 16AWG Cable.
Termination made by solder cup.

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MIL-SPEC

Specifications:

- Shell: Nickel Plated Zinc Diecast
- Insulator: PBT
- Contacts: Copper Alloy with Silver Plating
- Gasket: NBR
- Insert: PBT
- Temperature: -40°C to +105°C (-40°F to +221°F)





MIL-SPEC Series Receptacles

2 & 3 Conductor 5015 Industrial Equiv. Receptacles



Panel Mount Receptacles | Size 14S | Solder Cup | IP67 Rating

# of Poles	Male Faceview	Rating	Wire AWG	Male Receptacles	Female Receptacles
2	 14S-2 0.8750"-20UNEF	600V Max 30A Max	16-18 AWG	MS14S-2MR-PM-SC	MS14S-2FR-PM-SC
3	 14S-3A 0.8750"-20UNEF	600V Max 30A Max	16-18 AWG	MS14S-3AMR-PM-SC	MS14S-3AFR-PM-SC
	 14S-3B 0.8750"-20UNEF	600V Max 30A Max	16-18 AWG	MS14S-3BMR-PM-SC	MS14S-3BFR-PM-SC
	 14S-3C 0.8750"-20UNEF	600V Max 30A Max	16-18 AWG	MS14S-3CMR-PM-SC	MS14S-3CFR-PM-SC

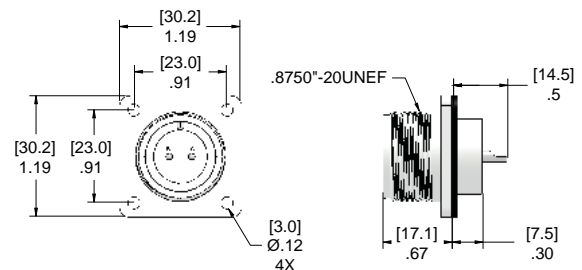
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Voltage and Amperage ratings are cable dependent and are based on 600V 16AWG Cable.
Termination made by solder cup.

Specifications:

Shell: Nickel Plated Zinc Diecast
 Insulator: PBT
 Contacts: Copper Alloy with Silver Plating
 Gasket: NBR
 Insert: PBT
 Temperature: -40°C to +105°C (-40°F to +221°F)





MIL-SPEC Series Receptacles

4, 5, 6 & 7 Conductor 5015 Industrial Equiv. Receptacles



Panel Mount Receptacles | Size 14S | Solder Cup | IP67 Rating

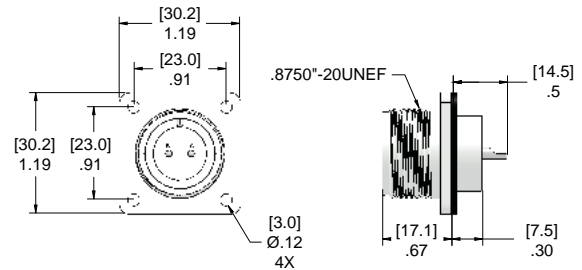
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# of Poles	Male Faceview	Rating	Wire AWG	Male Receptacles	Female Receptacles
4	<p>14S-4 0.8750"-20UNEF</p>	600V Max 10A Max	16-18 AWG	MS14S-4MR-PM-SC	MS14S-4FR-PM-SC
5	<p>14S-5 0.8750"-20UNEF</p>	600V Max 8A Max	16-18 AWG	MS14S-5MR-PM-SC	MS14S-5FR-PM-SC
6	<p>14S-6 0.8750"-20UNEF</p>	600V Max 8A Max	16-18 AWG	MS14S-6MR-PM-SC	MS14S-6FR-PM-SC
7	<p>14S-7 0.8750"-20UNEF</p>	600V Max 5A Max	16-18 AWG	MS14S-7MR-PM-SC	MS14S-7FR-PM-SC

Voltage and Amperage ratings are cable dependent and are based on 600V 16AWG Cable.
Termination made by solder cup.

Specifications:

Shell: Nickel Plated Zinc Diecast
 Insulator: PBT
 Contacts: Copper Alloy with Silver Plating
 Gasket: NBR
 Insert: PBT
 Temperature: -40°C to +105°C (-40°F to +221°F)





MIL-SPEC Series Receptacles

2, 3, 5 & 7 Conductor 5015 Industrial Equiv. Receptacles



Panel Mount Receptacles | Size 16S | Solder Cup | IP67 Rating

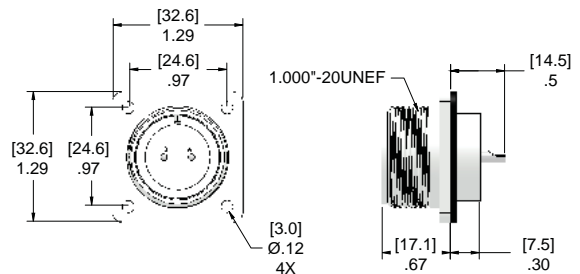
# of Poles	Male Faceview	Rating	Wire AWG	Male Receptacles	Female Receptacles
2	<p>16S-2 1.000"-20UNEF</p>	600V Max 13A Max	16-18 AWG	MS16S-2MR-PM-SC	MS16S-3FR-PM-SC
3	<p>16S-3A 1.000"-20UNEF</p>	600V Max 13A Max	16-18 AWG	MS16S-3AMR-PM-SC	MS16S-3AFR-PM-SC
	<p>16S-3B 1.000"-20UNEF</p>	600V Max 13A Max	16-18 AWG	MS16S-3BMR-PM-SC	MS16S-3BFR-PM-SC
5	<p>16S-5 1.000"-20UNEF</p>	600V Max 8A Max	16-18 AWG	MS16S-5MR-PM-SC	MS16S-5FR-PM-SC
7	<p>16S-7 1.000"-20UNEF</p>	600V Max 5A Max	16-18 AWG	MS16S-7MR-PM-SC	MS16S-7FR-PM-SC

F
MIL-SPEC

Voltage and Amperage ratings are cable dependent and are based on 600V 16AWG Cable.
Termination made by solder cup.

Specifications:

- Shell: Nickel Plated Zinc Diecast
- Insulator: PBT
- Contacts: Copper Alloy with Silver Plating
- Gasket: NBR
- Insert: PBT
- Temperature: -40°C to +105°C (-40°F to +221°F)





MIL-SPEC Series Receptacles

3, 4 & 5 Conductor 5015 Industrial Equiv. Receptacles



Panel Mount Receptacles | Size 18 | Solder Cup | IP67 Rating

F
MIL-SPEC

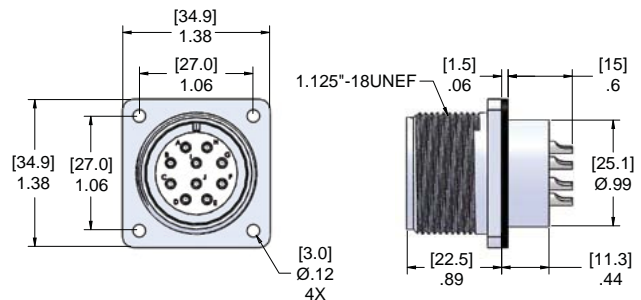
# of Poles	Male Faceview	Rating	Wire AWG	Male Receptacles	Female Receptacles
3	<p>18-3 1.1250-18UNEF</p>	600V Max 13A Max	16-18 AWG	MS18-3MR-PM-SC	MS18-3FR-PM-SC
4	<p>18-4 1.1250-18UNEF</p>	600V Max 10A Max	16-18 AWG	MS18-4MR-PM-SC	MS18-4FR-PM-SC
5	<p>18-5A 1.1250-18UNEF</p>	600V Max 8A Max	16-18 AWG	MS18-5AMR-PM-SC	MS18-5AFR-PM-SC
	<p>18-5B 1.1250-18UNEF</p>	600V Max 8A Max	16-18 AWG	MS18-5BMR-PM-SC	MS18-5BFR-PM-SC

Voltage and Amperage ratings are cable dependent and are based on 600V 16AWG Cable.

Termination made by solder cup.

Specifications:

Shell: Nickel Plated Zinc Diecast
 Insulator: PBT
 Contacts: Copper Alloy with Silver Plating
 Gasket: NBR
 Insert: PBT
 Temperature: -40°C to +105°C (-40°F to +221°F)





MIL-SPEC Series Receptacles

5, 6 & 10 Conductor 5015 Industrial Equip. Receptacles



Panel Mount Receptacles | Size 18 | Solder Cup | IP67 Rating

# of Poles	Male Faceview	Rating	Wire AWG	Male Receptacles	Female Receptacles
5	<p>110°</p> <p>18-5C 1.1250-18UNEF</p>	600V Max 8A Max	16-18 AWG	MS18-5CMR-PM-SC	MS18-5CFR-PM-SC
	<p>260°</p> <p>18-5D 1.1250-18UNEF</p>	600V Max 8A Max	16-18 AWG	MS18-5DMR-PM-SC	MS18-5DFR-PM-SC
6	<p>18-6 1.1250-18UNEF</p>	600V Max 8A Max	16-18 AWG	MS18-6MR-PM-SC	MS18-6FR-PM-SC
10	<p>18-10A 1.1250-18UNEF</p>	600V Max 4A Max	16-18 AWG	MS18-10AMR-PM-SC	MS18-10AFR-PM-SC
	<p>18-10B 1.1250-18UNEF</p>	600V Max 4A Max	16-18 AWG	MS18-10BMR-PM-SC	MS18-10BFR-PM-SC

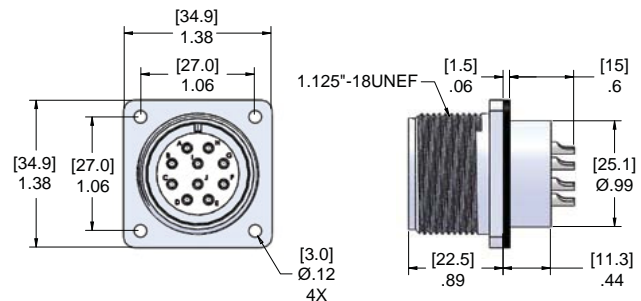
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MIL-SPEC

Voltage and Amperage ratings are cable dependent and are based on 600V 16AWG Cable.

Termination made by solder cup.

Specifications:

Shell: Nickel Plated Zinc Diecast
 Insulator: PBT
 Contacts: Copper Alloy with Silver Plating
 Gasket: NBR
 Insert: PBT
 Temperature: -40°C to +105°C (-40°F to +221°F)





Notes:

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MIL-SPEC



Micro-AC Series

MAC (1/2"-20) Series, C-coded

Over-Molded Cordsets | Armored Cordsets | Receptacles | Field Wireables | Accessories

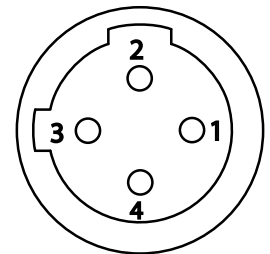
UL File #:
E149111



This Micro-AC (MAC) series of connectors provides another option for a compact, reliable, quick disconnect solution. Although similar in size to the Micro-DC (MDC) series, the differing keyways, pin locations, coupling thread, and color code make this connector suitable for safe side by side usage with the MDC product, or stand-alone usage.

MAC : Micro-AC

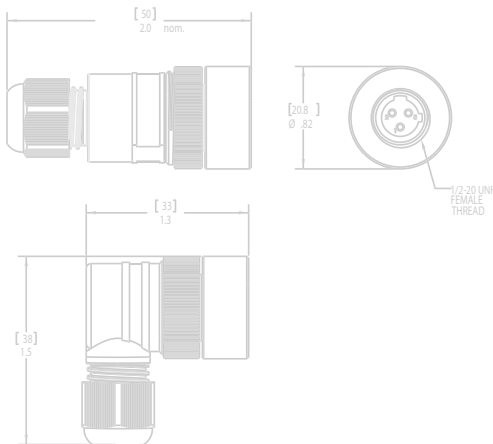
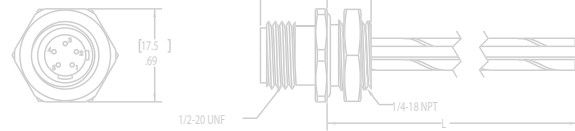
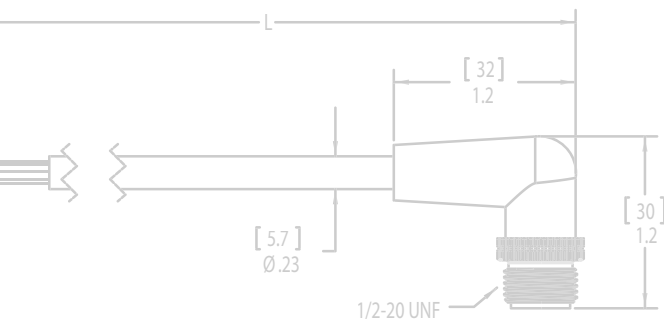
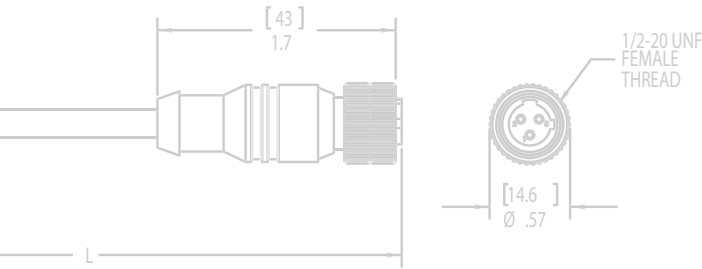
The MAC products, like the MDC products can be used in both AC and DC applications. The MAC includes a first make last break ground pin along with an industry standard Green/Yellow ground wire. The color code is also typical for an AC wiring schematic. The dual keyway (C-coded), and the 1/2"-20 mating thread are standard for the MAC series.



C-coded

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Micro-AC Series (1/2"-20)



Micro-AC Series

MAC (1/2"-20) Series, C-coded



Contents

Cordsets	Part Number Matrix	G-3
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	Solder Cup	G-26
	Through Panel Mount	G-27
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Micro-AC Series (1/2"-20)



MAC (1/2"-20) Series Cordsets

MAC Series Cordset Part Number Matrix



Not all options available with all cordsets, please consult factory.

MAC [] - [] [] - [] - [] - [] - [] - []

Cable Type

- Blank = PVC
- B = Braided Shield PVC
- P = PUR

Number of Conductors

- 2
- 3
- 4
- 5
- 6

Connector Configuration

- MP = Male Plug
- FP = Female Plug
- MFP = Male / Female Extension
- MFRP = Male Straight / Female Right Angle
- MRFP = Male Right Angle / Female Straight
- "X" = Any of the above followed by an X equals 18awg

Length in Meters

- 1M
- 2M
- 4M
- 5M
- 6M
- 10M
- 15M

Other lengths are available by request.

Armor (See G-14 for more details)

- Blank = No Armor
- A01 = SS w/ Cable Inside
- A02 = SS w/ Discrete Wires
- A02T = SS w/ Teflon Discrete Wires
- A03 = PVC Covered SS w/ Cable Inside
- A04 = PVC Covered SS w/ Discrete Wires
- A50 = Silicone (Stops at Overmold)
- A51 = Silicone (Covers Overmold)

Coupling Nut

- Blank = Nickel plated brass
- SS = Stainless Steel

Cable Color

- Blank = Yellow
- B = Black

R/A or Straight

- Blank = Straight *
- R = Right Angle **

* Unless the Connector Configuration is MFRP or MRFP

** If single ended cable, right angle connector to flying leads
If double ended cable, right angle on both connectors

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Micro-AC Series (1/2"-20) Cordsets



MAC (1/2"-20) Series Cordsets

2 & 3 Conductor MAC Series Cordsets, 18/20/22AWG



Straight Male Cordsets | 300 Volt, 4 amps | IP67 Rating



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Micro-AC Series (1/2"-20) Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MAC-2MP-**	Yellow PVC AWM 2 X 20 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC	1. Brown 2. Blue	 1/2"-20
	MAC-3MPX-** (Yellow) MAC-3MPX-**-B (Black)	PVC AWM 3 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Green/Yellow 2. Red/Black 3. Red/White	 1/2"-20
	MAC-3MP-**	Yellow PVC AWM 3 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC		
	MACB-3MP-**	Yellow PVC AWM With Braided Shield 3 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC Braided Shield		
	MACP-3MP-**	Yellow PUR AWM 3 X 22 AWG 300V, 4A -40°C to +80°C 5.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is Nickel Plated Brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MAC-3MPX-1M becomes MAC-3MPX-1M-SS)



MAC (1/2"-20) Series Cordsets

2 & 3 Conductor MAC Series Cordsets, 18/20/22AWG



Straight Female Cordsets | 300 Volt, 4 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MAC-2FP-**	Yellow PVC AWM 2 X 20 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC	1. Brown 2. Blue	 1/2"-20
	MAC-3FPX-** (Yellow) MAC-3FPX-**-B (Black)	PVC AWM 3 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Green/Yellow 2. Red/Black 3. Red/White	 1/2"-20
	MAC-3FP-**	Yellow PVC AWM 3 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC		
	MACB-3FP-**	Yellow PVC AWM With Braided Shield 3 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC Braided Shield		
	MACP-3FP-**	Yellow PUR AWM 3 X 22 AWG 300V, 4A -40°C to +80°C 5.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is Nickel Plated Brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MAC-3FPX-1M becomes MAC-3FPX-1M-SS)

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Micro-AC Series (1/2"-20) Cordsets



MAC (1/2"-20) Series Cordsets

4, 5 & 6 Conductor MAC Series Cordsets, 18/22AWG



Straight Male Cordsets | 300 Volt, 4 amps | 600 Volt, 4 amps | IP67 Rating



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Micro-AC Series (1/2"-20) Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MAC-4MPX-**	Yellow PVC AWM 4 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Red/Black 2. Red/White 3. Red 4. Green/Yellow	 1/2"-20
	MAC-4MP-** (Yellow) MAC-4MP-**-B (Black)	PVC AWM 4 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC		
	MACB-4MP-** (Yellow) MACB-4MP-**-B (Black)	PVC AWM With Braided Shield 4 X 22 AWG 300V, 4A -40°C to +105°C 5.6mm OD	Industry Standard PVC Braided Shield		
	MAC-5MP-** (Yellow) MAC-5MP-**-B (Black)	PVC AWM 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC	1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black	 1/2"-20
	MACP-5MP-**-B	Black PUR AWM 5 X 22 AWG 300V, 4A -40°C to +80°C 5.8mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MAC-6MP-**	Yellow PVC AWM 6 X 22 AWG 600V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC	1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black 6. Red/Blue	 1/2"-20
	MACB-6MP-**	Yellow PVC AWM With Braided Shield 6 X 22 AWG 300V, 4A -40°C to +105°C 6.3mm OD	Industry Standard PVC Braided Shield		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is Nickel Plated Brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MAC-4MPX-1M becomes MAC-4MPX-1M-SS)



MAC (1/2"-20) Series Cordsets

4, 5 & 6 Conductor MAC Series Cordsets, 18/22AWG



Straight Female Cordsets | 300 Volt, 4 amps | 600 Volt, 4 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MAC-4FPX-**	Yellow PVC AWM 4 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC		
	MAC-4FP-** (Yellow) MAC-4FP-**-B (Black)	PVC AWM 4 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC	1. Red/Black 2. Red/White 3. Red 4. Green/Yellow	 1/2"-20
	MACB-4FP-** (Yellow) MACB-4FP-**-B (Black)	PVC AWM With Braided Shield 4 X 22 AWG 300V, 4A -40°C to +105°C 5.6mm OD	Industry Standard PVC Braided Shield		
	MAC-5FP-** (Yellow) MAC-5FP-**-B (Black)	PVC AWM 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC	1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black	 1/2"-20
	MACP-5FP-**-B	Black PUR AWM 5 X 22 AWG 300V, 4A -40°C to +80°C 5.8mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MAC-6FP-**	Yellow PVC AWM 6 X 22 AWG 600V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC	1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black 6. Red/Blue	 1/2"-20
	MACB-6FP-**	Yellow PVC AWM With Braided Shield 6 X 22 AWG 300V, 4A -40°C to +105°C 6.3mm OD	Industry Standard PVC Braided Shield		

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Micro-AC Series (1/2"-20) Cordsets

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is Nickel Plated Brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MAC-4FPX-1M becomes MAC-4FPX-1M-SS)



MAC (1/2"-20) Series Cordsets

2 & 3 Conductor MAC Series Cordsets, 18/20/22AWG



Right Angle Male Cordsets | 300 Volt, 4 amps | IP67 Rating



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Micro-AC Series (1/2"-20) Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MAC-2MP-**-R	Yellow PVC AWM 2 X 20 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC	1. Brown 2. Blue	<p>1/2"-20</p>
	MAC-3MPX-**-R	Yellow PVC AWM 3 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Green/Yellow 2. Red/Black 3. Red/White	<p>1/2"-20</p>
	MAC-3MP-**-R	Yellow PVC AWM 3 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC		
	MACB-3MP-**-R	Yellow PVC AWM With Braided Shield 3 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC Braided Shield		
	MACP-3MP-**-R	Yellow PUR AWM 3 X 22 AWG 300V, 4A -40°C to +80°C 5.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is Nickel Plated Brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MAC-3MP-1M-R becomes MAC-3MP-1M-R-SS)



MAC (1/2"-20) Series Cordsets

2 & 3 Conductor MAC Series Cordsets, 18/20/22AWG



Right Angle Female Cordsets | 300 Volt, 4 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MAC-2FP-**-R	Yellow PVC AWM 2 X 20 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC	1. Brown 2. Blue	 1/2"-20
	MAC-3FPX-**-R	Yellow PVC AWM 3 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Green/Yellow 2. Red/Black 3. Red/White	 1/2"-20
MAC-3FP-**-R	Yellow PVC AWM 3 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC			
MACB-3FP-**-R	Yellow PVC AWM With Braided Shield 3 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC Braided Shield			
MACP-3FP-**-R	Yellow PUR AWM 3 X 22 AWG 300V, 4A -40°C to +80°C 5.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR			

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Micro-AC Series (1/2"-20) Cordsets

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is Nickel Plated Brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MAC-3FP-1M-R becomes MAC-3FP-1M-R-SS)



MAC (1/2"-20) Series Cordsets

4, 5 & 6 Conductor MAC Series Cordsets, 18/22AWG



Right Angle Male Cordsets | 300 Volt, 4 amps | 600 Volt, 4 amps | IP67 Rating



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Micro-AC Series (1/2"-20) Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MAC-4MPX-**-R	Yellow PVC AWM 4 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Red/Black 2. Red/White 3. Red 4. Green/Yellow	 1/2"-20
	MAC-4MP-**-R	Yellow PVC AWM 4 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC		
	MACB-4MP-**-R	Yellow PVC AWM With Braided Shield 4 X 22 AWG 300V, 4A -40°C to +105°C 5.6mm OD	Industry Standard PVC Braided Shield		
	MAC-5MP-**-R	Yellow PVC AWM 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC	1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black	 1/2"-20
	MACP-5MP-**-R-B	Black PUR AWM 5 X 22 AWG 300V, 4A -40°C to +80°C 5.8mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MAC-6MP-**-R	Yellow PVC AWM 6 X 22 AWG 600V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC	1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black 6. Red/Blue	 1/2"-20
	MACB-6MP-**-R	Yellow PVC AWM With Braided Shield 6 X 22 AWG 300V, 4A -40°C to +105°C 6.3mm OD	Industry Standard PVC Braided Shield		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is Nickel Plated Brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MAC-5MP-1M-R becomes MAC-5MP-1M-R-SS)



MAC (1/2"-20) Series Cordsets

4, 5 & 6 Conductor MAC Series Cordsets, 18/22AWG



Right Angle Female Cordsets | 300 Volt, 4 amps | 600 Volt, 4 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MAC-4FPX-**-R	Yellow PVC AWM 4 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Red/Black 2. Red/White 3. Red 4. Green/Yellow	 1/2"-20
	MAC-4FP-**-R	Yellow PVC AWM 4 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC		
	MACB-4FP-**-R	Yellow PVC AWM With Braided Shield 4 X 22 AWG 300V, 4A -40°C to +105°C 5.6mm OD	Industry Standard PVC Braided Shield		
	MAC-5FP-**-R	Yellow PVC AWM 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC	1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black	 1/2"-20
	MACP-5FP-**-R-B	Black PUR AWM 5 X 22 AWG 300V, 4A -40°C to +80°C 5.8mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MAC-6FP-**-R	Yellow PVC AWM 6 X 22 AWG 600V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC	1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black 6. Red/Blue	 1/2"-20
	MACB-6FP-**-R	Yellow PVC AWM With Braided Shield 6 X 22 AWG 300V, 4A -40°C to +105°C 6.3mm OD	Industry Standard PVC Braided Shield		

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Micro-AC Series (1/2"-20) Cordsets

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is Nickel Plated Brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MAC-5FP-1M-R becomes MAC-5FP-1M-R-SS)



MAC (1/2"-20) Series Cordsets

2 & 3 Conductor MAC Series Cordsets, 18/20/22AWG



Double Ended Cordsets | 300 Volt, 4 amps | IP67 Rating



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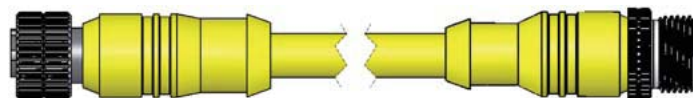
Micro-AC Series (1/2"-20) Cordsets

Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
<p>1/2"-20</p>	MAC-2MFP-**	Yellow PVC AWM 2 X 20 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC	1. Brown 2. Blue	<p>1/2"-20</p>
	MACB-2MFP-**	Yellow PVC AWM With Braided Shield 2 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC Braided Shield		
<p>1/2"-20</p>	MAC-3MFPX-**	Yellow PVC AWM 3 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Green/Yellow 2. Red/Black 3. Red/White	<p>1/2"-20</p>
	MAC-3MFP-**	Yellow PVC AWM 3 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC		
	MACB-3MFP-**	Yellow PVC AWM With Braided Shield 3 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC Braided Shield		
	MACP-3MFP-**	Yellow PUR AWM 3 X 22 AWG 300V, 4A -40°C to +80°C 5.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

For extension cables with right angle male and/or female ends, please consult the factory.

Standard coupling nut is Nickel Plated Brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MAC-2MFP-1M becomes MAC-2MFP-1M-SS)



Male - Female Extension



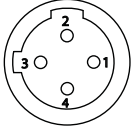
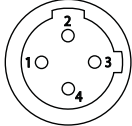
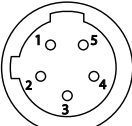
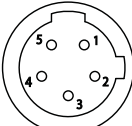
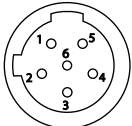
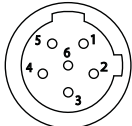
MAC (1/2"-20) Series Cordsets

4, 5 & 6 Conductor MAC Series Cordsets, 18/22AWG



Double Ended Cordsets | 300 Volt, 4 amps | IP67 Rating



Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
 <p>1/2"-20</p>	MAC-4MFPX-**	Yellow PVC AWM 4 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Red/Black 2. Red/White 3. Red 4. Green/Yellow	 <p>1/2"-20</p>
	MAC-4MFP-**	Yellow PVC AWM 4 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC		
	MACB-4MFP-**	Yellow PVC AWM With Braided Shield 4 X 22 AWG 300V, 4A -40°C to +105°C 5.6mm OD	Industry Standard PVC Braided Shield		
 <p>1/2"-20</p>	MAC-5MFP-**	Yellow PVC AWM 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC	1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black	 <p>1/2"-20</p>
	MACB-5MFP-**	Yellow PVC AWM With Braided Shield 5 X 22 AWG 300V, 4A -40°C to +105°C 6.3mm OD	Industry Standard PVC Braided Shield		
	MACP-5MFP-**-B	Black PUR AWM 5 X 22 AWG 300V, 4A -40°C to +80°C 5.8mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
 <p>1/2"-20</p>	MAC-6MFP-**	Yellow PVC AWM 6 X 22 AWG 600V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC	1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black 6. Red/Blue	 <p>1/2"-20</p>
	MACB-6MFP-**	Yellow PVC AWM With Braided Shield 6 X 22 AWG 300V, 4A -40°C to +105°C 6.3mm OD	Industry Standard PVC Braided Shield		

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Micro-AC Series (1/2"-20) Cordsets

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

For extension cables with right angle male and/or female ends, please consult the factory.

Standard coupling nut is Nickel Plated Brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MAC-5MFP-1M becomes MAC-5MFP-1M-SS)

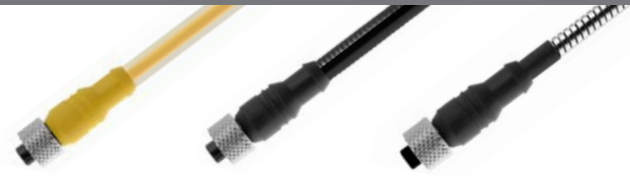


MAC (1/2"-20) Series Armored Cables

Connectivity Solutions for Harsh & Rugged Environments



Stainless Steel Armor | PVC Covered Jacket | Silicone Tube



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Micro-AC Series (1/2"-20) Cordsets

Connector Body Style	Suffix Number	Description	Features
	A01	Stainless Steel with Cable Inside	Crush, Corrosion and Abrasion Resistant
	A02	Stainless Steel with Discrete Wires	Crush, Corrosion and Abrasion Resistant
	A02T	Stainless Steel with Teflon Discrete Wires	Crush, Corrosion and Abrasion Resistant Hi-Temperature Resistant
	A03	PVC Covered Stainless Steel with Cable Inside	Water Tight Crush and Abrasion Resistant
	A04	PVC Covered Stainless Steel with Discrete Wires	Water Tight Crush and Abrasion Resistant
	A50	Silicone Tube (Stops at Overmold)	Chemical and Weld Slag Resistant Hi-Temperature Resistant
	A51	Silicone Tube (Covers Overmold)	Chemical and Weld Slag Resistant Hi-Temperature Resistant

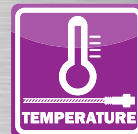
To specify Armored Cable, add a suffix number to the end of the part number (e.g. MAC-5FP-6 becomes MAC-5FP-6M-A03).

Why do I need this product?

- To extend the life of existing assemblies in potentially destructive environments
- Connectorize to make faster installation and future repairs

Where are these products used?

Harsh & Rugged Environments exposed to Chemicals, Abrasions, High Temperature, Wash Down, Welding, Cutting, Marine Applications...





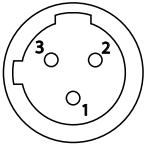
MAC (1/2"-20) Series Field Wireable Plugs

3 Conductor MAC Series Field Wireable Plugs, 18-24AWG



Field Wireable Plugs | PG7 & PG9 Threads | 250 Volt, 4 amps | IP67 Rating



# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Male Receptacles		Female Receptacles	
					Straight	Right Angle	Straight	Right Angle
3	 1/2"-20	250V 4A	18-24 AWG	4-6 mm	MAC-3MP-FW07	MAC-3MP-FW07-R	MAC-3FP-FW07	MAC-3FP-FW07-R
				6-8 mm	MAC-3MP-FW09	MAC-3MP-FW09-R	MAC-3FP-FW09	MAC-3FP-FW09-R

These connectors have screw terminal connections.

Male Field Wireable Plugs

Female Field Wireable Plugs



Straight Plugs

Right Angle Plugs

Straight Plugs

Right Angle Plugs

Specifications:

- Body: Black Polyamide
- Insulator: Polyamide
- Contacts: Copper Alloy with Gold Plating
- Coupling Nut: Nickel Plated Brass
- Seal: NBR
- Connections: Screw Terminals
- Temperature: -40°C to +105°C (-40°F to +221°F)

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Micro-AC Series (1/2"-20) Cordsets



MAC (1/2"-20) Series Accessories

MAC Series Closure Caps & Plugs



Closure Caps & Plugs | IP67 Rating

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Micro-AC Series (1/2"-20) Cordsets

Aluminum Closure Caps				
Closure Style	Part Number	Material	Threads	Mounting Hole Size
	MAC-CAP	Nickel Plated Brass	Female	0.170"
	MAC-PLUG	Nickel Plated Brass	Male	0.170"

Plastic Closure Plugs				
Closure Style	Part Number	Material	Threads	Mounting
	MAC-PLUG-PA	Black Polyamide	Male	N/A



MAC (1/2"-20) Series Accessories

2 & 3 Conductor MAC Series Accessory Cables



100' Cables | Raw Cable Spools

# of Conductors	Color Code	Wire AWG	Voltage Rating	Jacket Color	Features	Part Number	
						100' Cable	Spool
2	Brown Blue	22 AWG	300V	Yellow	PVC AWM 5mm OD (0.20" OD)	MAC-2CBL-C	30A0001-**
					PVC AWM With Braided Shield 5.8mm OD (0.23" OD)	MACB-2CBL-C	20BS001-**
3	Green/Yellow Red/Black Red/White	18 AWG	300V	Yellow	PVC AWM 7.4mm OD (0.29" OD)	MAC-3CBLX-C	20BX001-**
				Black	PVC AWM 7.4mm OD (0.29" OD)	MAC-3CBLX-C-B	20BXB01-**
		22 AWG	300V	Yellow	PVC AWM 5mm OD (0.20" OD)	MAC-3CBL-C	20B0001-**
					PVC AWM With Braided Shield 5.8mm OD (0.23" OD)	MACB-3CBL-C	20BS001-**
					PUR AWM 5.1mm OD (0.20" OD)	MACP-3CBL-C	20BP001-**

** Standard raw spool lengths are 0250, 0500, 0750 & 1000 feet. Consult factory for other lengths.

Cable Construction subject to change without notice.

Length in feet. Standard cable length is 100 feet. Consult factory for other lengths.

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Micro-AC Series (1/2"-20) Cordsets



MAC (1/2"-20) Series Accessories

4, 5 & 6 Conductor MAC Series Accessory Cables



100' Cables | Raw Cable Spools

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Micro-AC Series (1/2"-20) Cordsets

# of Conductors	Color Code	Wire AWG	Voltage Rating	Features	Jacket Color	Part Number	
						100' Cable	Spool
4	Red/Black Red/White Red Green/Yellow	18 AWG	300V	PVC AWM 7.4mm OD (0.29" OD)	Yellow	MAC-4CBLX-C	20CX001-**
					Yellow	MAC-4CBL-C	20C0001-**
		22 AWG	300V	PVC AWM 5mm OD (0.20" OD)	Black	MAC-4CBL-C-B	20CB001-**
					Yellow	MACB-4CBL-C	20CS001-**
					Black	MACB-4CBL-C-B	20CSB01-**
							Yellow
5	Red/White Red Green/Yellow Red/Yellow Red/Black	22 AWG	300V	PVC AWM 5.8mm OD (0.23" OD)	Yellow	MAC-5CBL-C	20D0001-**
					Black	MAC-5CBL-C-B	20DB001-**
					Black	MACP-5CBL-C-B	20DPB01-**
6	Red/White Red Green/Yellow Red/Yellow Red/Black Red/Blue	22 AWG	300V	PVC AWM 5.8mm OD (0.23" OD)	Yellow	MAC-6CBL-C	20E0001-**
				PVC AWM With Braided Shield 6.3mm OD (0.24" OD)	Yellow	MACB-6CBL-C	20ES001-**

** Standard raw spool lengths are 0250, 0500, 0750 & 1000 feet. Consult factory for other lengths.

Cable Construction subject to change without notice.

Length in feet. Standard cable length is 100 feet. Consult factory for other lengths.



MAC (1/2"-20) Series Receptacles

MAC Series Receptacle Part Number Matrix



Not all options available with all receptacles, please consult factory.

MAC - [] - [] - [] - [] - [] - [] - []

Number of Conductors

- 2
- 3
- 4
- 5
- 6

Connector Configuration

- MR = Male Receptacle
- FR = Female Receptacle

Mounting Style

- 2 = Front Mount 1/2"-14 NPT
- 4 = Front Mount 1/4"-18 NPT
- PG7 = Front Mount PG 7 Threads
- PG9 = Front Mount PG 9 Threads
- PG13.5 = Front Mount PG 13.5 Threads
- M16 = Front Mount Metric 16 Threads
- M20 = Front Mount Metric 20 Threads
- TM = Through Panel Mount

Shell Material

- Blank = Aluminum or Nickel plated brass
- SS = Stainless Steel
- PASW = Plastic

Wire AWG

- Blank = 22 AWG
- 18 = 18 AWG

Length in Meters

- Blank = 1'

Termination Type

- Blank = Pre-Wired
- SC = Solder Cup

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Micro-AC Series (1/2"-20) Receptacles



MAC (1/2"-20) Series Receptacles

MAC Series Receptacle Index



Front Mount

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Micro-AC Series (1/2"-20) Receptacles

<p>Front Mount, Male, 1/4"-18 NPT Page G-22</p>	<p>Front Mount, Female, 1/4"-18 NPT Page G-22</p>
<p>Front Mount, Male, 1/2"-14 NPT Page G-22</p>	<p>Front Mount, Female, 1/2"-14 NPT Page G-22</p>
<p>Front Mount, Male, PG9 Threads Page G-23</p>	<p>Front Mount, Male, PG13.5 Threads Page G-23</p>
<p>Front Mount, Male, PG7 Threads, Plastic Body Page G-24</p>	<p>Front Mount, Male, M16 Threads Page G-25</p>



Front Mount, Male, M20 Threads Page G-25	Front Mount, Female, M20 Threads Page G-25
Front Mount, Male, 1/2"-14NPT, Solder Cups Page G-26	Front Mount, Female, 1/2"-14NPT, Solder Cups Page G-26
Front Mount, Male, M20 Threads, Solder Cups Page G-26	Front Mount, Female, M20 Threads, Solder Cups Page G-26
Through Panel Mount, Male to Female Page G-27	

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Micro-AC Series (1/2"-20) Receptacles



MAC (1/2"-20) Series Receptacles

2, 3, 4, 5 & 6 Conductor MAC Series Receptacles, 18/22AWG



Front Mount Receptacles | 1/4"-18 & 1/2"-14 NPT Threads | 300 Volt, 4 amps | IP67 Rating



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Micro-AC Series (1/2"-20) Receptacles

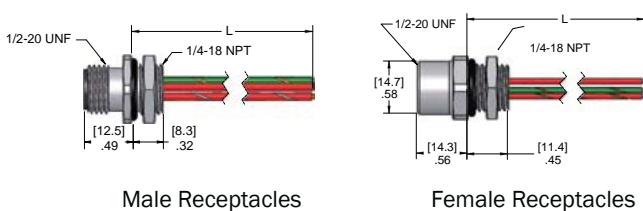
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles		Female Receptacles	
					1/4"-18 NPT	1/2"-14 NPT	1/4"-18 NPT	1/2"-14 NPT
2		1. Brown 2. Blue	300V 4A	18 AWG	MAC-2MR-4-18	MAC-2MR-2-18	MAC-2FR-4-18	MAC-2FR-2-18
				22 AWG	MAC-2MR-4	MAC-2MR-2	MAC-2FR-4	MAC-2FR-2
3		1. Green/Yellow 2. Red/Black 3. Red/White	300V 4A	18 AWG	MAC-3MR-4-18	MAC-3MR-2-18	MAC-3FR-4-18	MAC-3FR-2-18
				22 AWG	MAC-3MR-4	MAC-3MR-2	MAC-3FR-4	MAC-3FR-2
4		1. Red/Black 2. Red/White 3. Red 4. Green/Yellow	300V 4A	18 AWG	MAC-4MR-4-18	MAC-4MR-2-18	MAC-4FR-4-18	MAC-4FR-2-18
				22 AWG	MAC-4MR-4	MAC-4MR-2	MAC-4FR-4	MAC-4FR-2
5		1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black	300V 4A	18 AWG	MAC-5MR-4-18	MAC-5MR-2-18	MAC-5FR-4-18	MAC-5FR-2-18
				22 AWG	MAC-5MR-4	MAC-5MR-2	MAC-5FR-4	MAC-5FR-2
6		1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black 6. Red/Blue	300V 4A	22 AWG	MAC-6MR-4	MAC-6MR-2	MAC-6FR-4	MAC-6FR-2

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

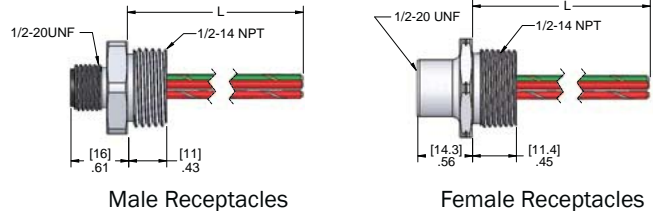
Standard coupling nuts are anodized aluminum for 1/2" NPT threads and nickel plated brass for 1/4" NPT threads, for stainless steel coupling nut add a "-SS" suffix. (e.g. MAC-3MR-4-18 becomes MAC-3MR-4-18-SS)

For 1/2" receptacles with lengths of 15" or longer, O-ring and lock nut are included.

1/4"-18NPT Threads



1/2"-14NPT Threads



Specifications:

Shell: 1/2" NPT: Clear Anodized Aluminum
1/4" NPT: Nickel Plated Brass
Insulator: Polyamide
Wire: 18 & 22 AWG: UL Style 1007/1569, 300V
Contacts: Copper Alloy with Gold Plating

O-Ring: NBR
Jam Nut: Nickel Plated Brass
Lock Nut: Zinc Plated Steel
Temperature: -40°C to 105°C (-40°F to +221°F)



MAC (1/2"-20) Series Receptacles

2, 3, 4, 5 & 6 Conductor MAC Series Receptacles, 18/22AWG



Male Front Mount Receptacles | PG9 & PG13.5 Threads | 300 Volt, 4 amps | IP67 Rating



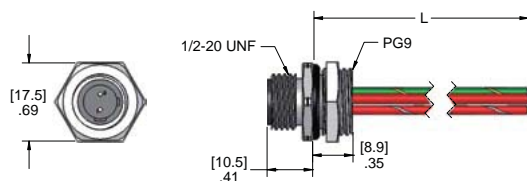
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	
					PG9	PG 13.5
2		1. Brown 2. Blue	300V 4A	18 AWG	MAC-2MR-PG9-18	MAC-2MR-PG13.5-18
				22 AWG	MAC-2MR-PG9	MAC-2MR-PG13.5
3		1. Green/Yellow 2. Red/Black 3. Red/White	300V 4A	18 AWG	MAC-3MR-PG9-18	MAC-3MR-PG13.5-18
				22 AWG	MAC-3MR-PG9	MAC-3MR-PG13.5
4		1. Red/Black 2. Red/White 3. Red 4. Green/Yellow	300V 4A	18 AWG	MAC-4MR-PG9-18	MAC-4MR-PG13.5-18
				22 AWG	MAC-4MR-PG9	MAC-4MR-PG13.5
5		1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black	300V 4A	18 AWG	MAC-5MR-PG9-18	MAC-5MR-PG13.5-18
				22 AWG	MAC-5MR-PG9	MAC-5MR-PG13.5
6		1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black 6. Red/Blue	300V 4A	22 AWG	MAC-6MR-PG9	MAC-6MR-PG13.5

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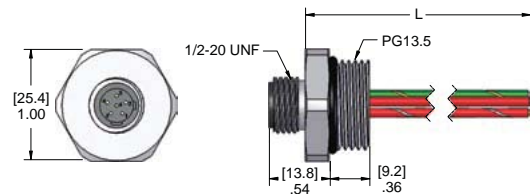
Micro-AC Series (1/2"-20) Receptacles

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

PG9 Threads



PG13.5 Threads



Specifications:

Shell: PG 9: Nickel Plated Brass
PG 13.5: Clear Anodized Aluminum
Insulator: Polyamide
Wire: 18 & 22 AWG: UL Style 1007/1569, 300V

Contacts: Copper Alloy with Gold Plating
O-Ring: NBR
Jam Nut: Nickel Plated Brass
Temperature: -40°C to 105°C (-40°F to +221°F)

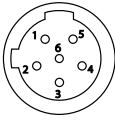


MAC (1/2"-20) Series Receptacles

6 Conductor MAC Series Receptacle, 22AWG



Front Mount Receptacle | PG7 Thread | 300 Volt, 4 amps | IP67 Rating

# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles
6	 <p>1/2"-20</p>	1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black 6. Red/Blue	300V 4A	22 AWG	MAC-6MR-PG7-PASW

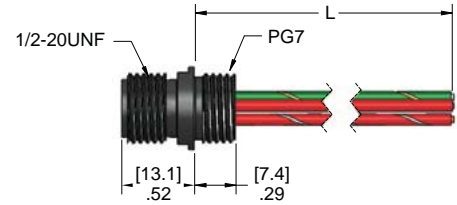
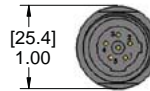
12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

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Micro-AC Series (1/2"-20) Receptacles

Specifications:

- Shell: Black Polyamide
- Insulator: Polyamide
- Wire: 18 & 22 AWG: UL Style 1007/1569, 300V
- Contacts: Copper Alloy with Gold Plating





MAC (1/2"-20) Series Receptacles

2, 3, 4, 5 & 6 Conductor MAC Series Receptacles, 18/22AWG



Front Mount Receptacles | M16 & M20 Threads | 300 Volt, 4 amps | IP67 Rating



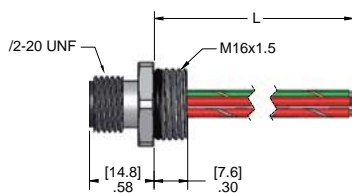
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles		Female Receptacles
					M16 x 1.5	M20 x 1.5	M20 x 1.5
2		1. Brown 2. Blue	300V 4A	18 AWG	MAC-2MR-M16-18	MAC-2MR-M20-18	MAC-2FR-M20-18
				22 AWG	MAC-2MR-M16	MAC-2MR-M20	MAC-2FR-M20
3		1. Green/Yellow 2. Red/Black 3. Red/White	300V 4A	18 AWG	MAC-3MR-M16-18	MAC-3MR-M20-18	MAC-3FR-M20-18
				22 AWG	MAC-3MR-M16	MAC-3MR-M20	MAC-3FR-M20
4		1. Red/Black 2. Red/White 3. Red 4. Green/Yellow	300V 4A	18 AWG	MAC-4MR-M16-18	MAC-4MR-M20-18	MAC-4FR-M20-18
				22 AWG	MAC-4MR-M16	MAC-4MR-M20	MAC-4FR-M20
5		1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black	300V 4A	18 AWG	MAC-5MR-M16-18	MAC-5MR-M20-18	MAC-5FR-M20-18
				22 AWG	MAC-5MR-M16	MAC-5MR-M20	MAC-5FR-M20
6		1. Red/White 2. Red 3. Green/Yellow 4. Red/Yellow 5. Red/Black 6. Red/Blue	300V 4A	22 AWG	MAC-6MR-M16	MAC-6MR-M20	MAC-6FR-M20

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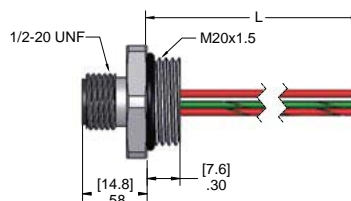
Micro-AC Series (1/2"-20) Receptacles

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

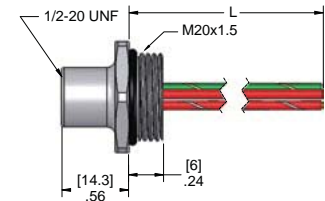
Male M16 Receptacles



Male M20 Receptacles



Female M20 Receptacles



Specifications:

Shell: Clear Anodized Aluminum
 Insulator: Polyamide
 Wire: 18 & 22 AWG: UL Style 1007/1569, 300V
 Contacts: Copper Alloy with Gold Plating

O-Ring: NBR
 Jam Nut: Nickel Plated Brass
 Temperature: -40°C to 105°C (-40°F to +221°F)



MAC (1/2"-20) Series Receptacles

2, 3, 4, 5 & 6 Conductor MAC Series Receptacles

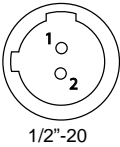
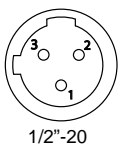
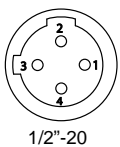
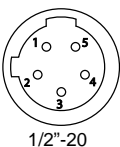
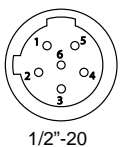


Solder Cup Receptacles | 1/2"-14 NPT & M20 Threads | 300 Volt, 4 amps | IP67 Rating



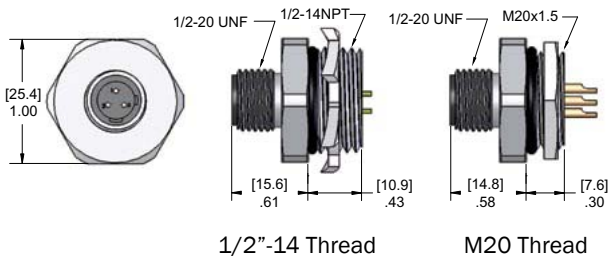
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Micro-AC Series (1/2"-20) Receptacles

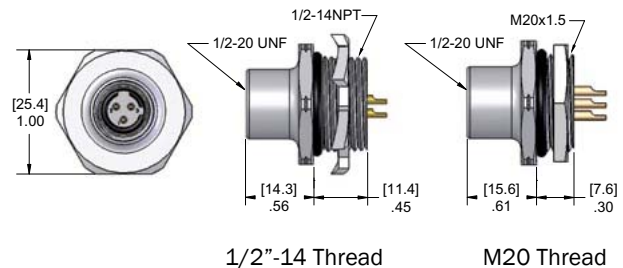
# of Poles	Male Faceview	Rating	Wire AWG	1/2"-14 NPT		M20	
				Male Receptacle	Female Receptacles	Male Receptacle	Female Receptacles
2	 1/2"-20	300V 4A Max	18 AWG Max	MAC-2MR-2-SC	MAC-2FR-2-SC	MAC-2MR-M20-SC	MAC-2FR-M20-SC
3	 1/2"-20	300V 4A Max	18 AWG Max	MAC-3MR-2-SC	MAC-3FR-2-SC	MAC-3MR-M20-SC	MAC-3FR-M20-SC
4	 1/2"-20	300V 4A Max	18 AWG Max	MAC-4MR-2-SC	MAC-4FR-2-SC	MAC-4MR-M20-SC	MAC-4FR-M20-SC
5	 1/2"-20	300V 4A Max	18 AWG Max	MAC-5MR-2-SC	MAC-5FR-2-SC	MAC-5MR-M20-SC	MAC-5FR-M20-SC
6	 1/2"-20	300V 4A Max	18 AWG Max	MAC-6MR-2-SC	MAC-6FR-2-SC	MAC-6MR-M20-SC	MAC-6FR-M20-SC

Other mounting threads are available, please consult the factory for part numbers.

Male Receptacles



Female Receptacles



Specifications:

Shell: Clear Anodized Aluminum

Insulator: Polyamide

Contacts: Copper Alloy with Gold Plating

O-Ring: NBR

Lock Nut: Zinc Plated Steel

Jam Nut: Nickel Plated Brass

Temperature: -40°C to 105°C (-40°F to +221°F)



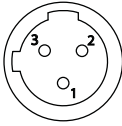
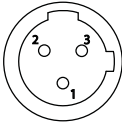
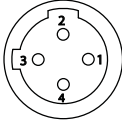
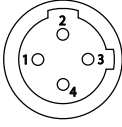
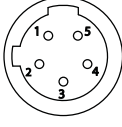
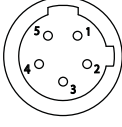
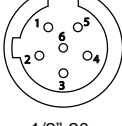
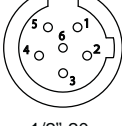
MAC (1/2"-20) Series Receptacles

3, 4, 5 & 6 Conductor MAC Series Receptacles



Through Panel Mount Receptacles | 300 Volt, 4 amps | IP67 Rating



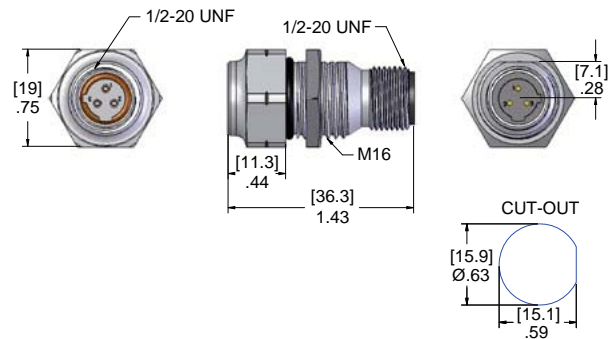
# of Poles	Male Faceview	Rating	Wiring	Part Number	Female Faceview
3	 1/2"-20	300 4A	1 to 1 2 to 2 3 to 3	MAC-3MFR-TM	 1/2"-20
4	 1/2"-20	300 4A	1 to 1 2 to 2 3 to 3 4 to 4	MAC-4MFR-TM	 1/2"-20
5	 1/2"-20	300 4A	1 to 1 2 to 2 3 to 3 4 to 4 5 to 5	MAC-5MFR-TM	 1/2"-20
6	 1/2"-20	300 4A	1 to 1 2 to 2 3 to 3 4 to 4 5 to 5 6 to 6	MAC-6MFR-TM	 1/2"-20

G

Micro-AC Series (1/2"-20) Receptacles

Specifications:

- Shell: Nickel Plated Brass
- Insulator: Polyamide
- Contacts: Copper Alloy with Gold Plating
- Jam Nut: Nickel Plated Brass
- Temperature: -40°C to 105°C (-40°F to +221°F)





MAC (1/2"-20) Series Accessories

MAC Series Jam Nuts



NPT, PG & Metric Threads

G

Micro-AC Series (1/2"-20) Receptacles

Jam Nuts					
	Part #	Thread	A	Thickness	Material
	214M	1/4" NPT	17.3 mm	3.3 mm	Zinc Plated Steel
	219M	PG 9	18 mm	3.0 mm	Nickel Plated Brass
	213M	PG 13.5	21 mm	3.0 mm	Nickel Plated Brass
	2M16M	M16 x 1.5	19 mm	2.8 mm	Nickel Plated Brass
	2M20M	M20 x 1.5	24 mm	3.0 mm	Nickel Plated Brass
Lock Nuts					
	212M	1/2" NPT	28.5 mm	3.3 mm	Zinc Plated Steel



Notes:

G

Micro-AC Series (1/2"-20) Receptacles



Notes:

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Micro-AC Series (1/2"-20) Receptacles



Micro-DC Series

MDC (M12) Series, A-coded

Over-Molded Cordsets | Armored Cordsets | Receptacles | Field Wireables | Accessories

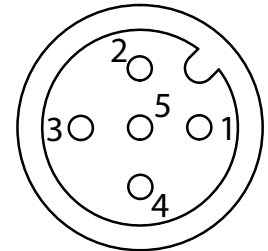
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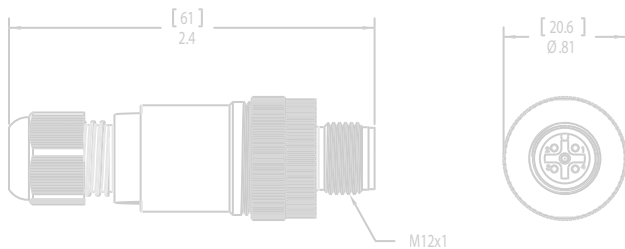
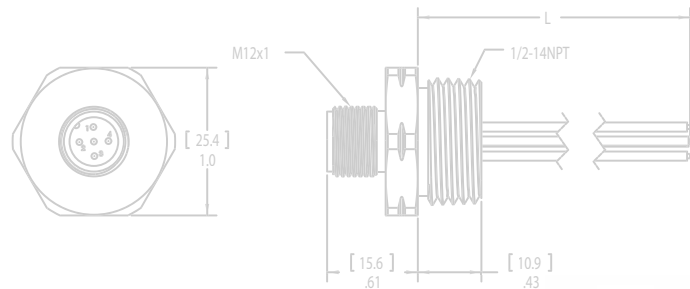
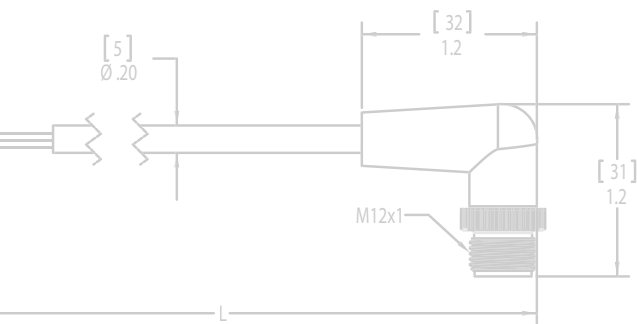
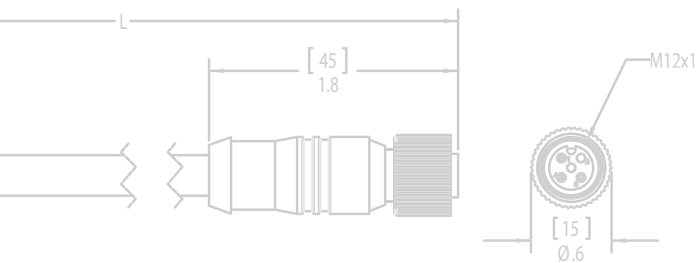
The Micro-DC (MDC) series, also known as Micro-change or M12, is one of the most widely used industrial quick disconnects in the industrial market. Despite the name, these euro-style connectors can be used in both AC or DC applications. They are commonly used in factory automation for items such as sensors, actuators, motors, switches, safety light curtains, mats, and interlock switches to name a few.

MDC : Micro-DC

The MDC series has a single keyway which is known as A-coded. The commonly used industry term "M12" is in reference to the coupling thread used to connect the MDC cables to the mating receptacles. The MDC product is offered in 2-8 and 12 pole configurations with a variety of outer jacket materials, and other options. The euro color code (without a ground wire) and the single keyway (A-Coded) distinguishes the MDC from other connectors that are similar in size and function.



A-coded



H

Micro-DC (M12) Series

Contents

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	Jam Nuts	H-76

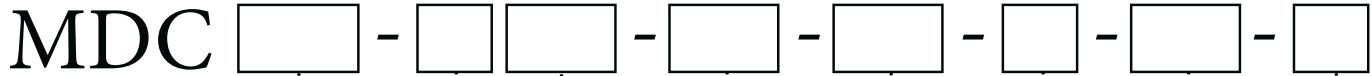


MDC (M12) Series Cordsets

MDC Series Cordset Part Number Matrix



Not all options available with all cordsets, please consult factory.



Cable Type

- Blank = PVC
- B = PVC / Braided Shield
- P = PUR
- PQ = PUR / Coiled Cable
- PM = PUR / Foil Shield
- PB = PUR / Braided Shield
- M = Foil Shield
- W = TPE
- WF = TPE / Hi-Flex

Number of Conductors

- 2
- 3
- 4
- 5
- 6
- 8
- 12

Connector Configuration

- MP = Male Plug
- FP = Female Plug
- MFP = Male / Female Extension
- MFRP = Male Straight / Female Right Angle
- MRFP = Male Right Angle / Female Straight
- MSP = Male-Shielded to Coupling Nut
- FSP = Female-Shielded to Coupling Nut
- MFPS = Male & Female-Shielded to Coupling Nut
- MFSP = Female Shielded to Coupling Nut / Male Not
- MSFP = Male Shielded to Coupling Nut / Female Not
- "X" = Any of the above followed by an X equals 18awg

Length in Meters

- 1M
- 2M
- 4M
- 5M
- 6M
- 10M
- 15M

Other lengths are available by request.

Armor (See H-34 for more details)

- Blank = No Armor
- A01 = SS w/ Cable Inside
- A02 = SS w/ Discrete Wires
- A02T = SS w/ Teflon Discrete Wires
- A03 = PVC Covered SS w/ Cable Inside
- A04 = PVC Covered SS w/ Discrete Wires
- A50 = Silicone (Stops at Overmold)
- A51 = Silicone (Covers Overmold)

Coupling Nut

- Blank = Nickel plated brass
- SS = Stainless Steel

Cable Color

- Blank = Yellow
- B = Black
- GY = Gray

R/A or Straight

- Blank = Straight *
- R = Right Angle **

* Unless the Connector Configuration is MFRP or MRFP
 ** If single ended cable, right angle connector to flying leads
 If double ended cable, right angle on both connectors

H

Micro-DC (M12) Series Cordsets



MDC (M12) Series Cordsets

2 & 3 Conductor MDC Series Cordsets, 18/20/22AWG



Straight Male Cordsets | 300 Volt, 4 amps | IP67 Rating



H

Micro-DC (M12) Series Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDC-2MPX-**	Yellow PVC AWM 2 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	3. Brown 4. Blue	 M12x1
	MDC-2MP-**	Yellow PVC AWM 2 X 20 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC		
	MDC-3MPX-**	Yellow PVC AWM 3 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Brown 3. Blue 4. Black	 M12x1
	MDC-3MP-** (Yellow) MDC-3MP-**-B (Black)	PVC AWM 3 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC		
	MDCM-3MP-**	Yellow PVC AWM With Foil Shield 3 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC Foil Shield		
	MDCP-3MP-**	Yellow PUR 3 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult the factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDC-3MPX-1M becomes MDC-3MPX-1M-SS)



MDC (M12) Series Cordsets

2 & 3 Conductor MDC Series Cordsets, 18/20/22AWG



Straight Female Cordsets | 300 Volt, 4 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDC-2FPX-**	Yellow PVC AWM 2 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Not Used 2. Not Used 3. Brown 4. Blue 5. Not Used	 M12x1
	MDC-2FP-**	Yellow PVC AWM 2 X 20 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC		
	MDC-3FPX-**	Yellow PVC AWM 3 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Brown 2. Not Used 3. Blue 4. Black 5. Not Used	 M12x1
	MDC-3FP-** (Yellow) MDC-3FP-**-B (Black)	PVC AWM 3 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC		
	MDCM-3FP-**	Yellow PVC AWM With Foil Shield 3 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC Foil Shield		
	MDCP-3FP-**	Yellow PUR 3 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult the factory for other lengths.

2~5 Pole females will have all 5 contact holes in the connector.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDC-3FPX-1M becomes MDC-3FPX-1M-SS)

H

Micro-DC (M12) Series Cordsets



MDC (M12) Series Cordsets

4 Conductor MDC Series Cordsets, 18AWG



Straight Male Cordsets | 300 Volt, 4 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDC-4MPX-** (Yellow) MDC-4MPX-**-B (Black)	Yellow PVC AWM 4 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black	 M12x1
	MDCP-4MPX-**	Yellow PUR AWM 4 X 18 AWG 300V, 4A -40°C to +80°C 7.4mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDCW-4MPX-**	Yellow TPE AWM 4 X 18 AWG 300V, 4A -40°C to +80°C 7.4mm OD	Weld Slag Resistant TPE		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult the factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDC-4MPX-1M becomes MDC-4MPX-1M-SS)

H

Micro-DC (M12) Series Cordsets



MDC (M12) Series Cordsets

4 Conductor MDC Series Cordsets, 18AWG



Straight Female Cordsets | 300 Volt, 4 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDC-4FPX-** (Yellow) MDC-4FPX-**-B (Black)	PVC AWM 4 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black 5. Not Used	 M12x1
	MDCP-4FPX-**	Yellow PUR AWM 4 X 18 AWG 300V, 4A -40°C to +80°C 7.4mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDCW-4FPX-**	Yellow TPE AWM 4 X 18 AWG 300V, 4A -40°C to +80°C 7.4mm OD	Weld Slag Resistant TPE		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult the factory for other lengths.

2~5 Pole females will have all 5 contact holes in the connector.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDC-4FPX-1M becomes MDC-4FPX-1M-SS)

H

Micro-DC (M12) Series Cordsets



MDC (M12) Series Cordsets

4 Conductor MDC Series Cordsets, 22AWG



Straight Male Cordsets | 300 Volt, 4 amps | IP67 Rating



Shielded to coupling nut versions are not UL listed.



H

Micro-DC (M12) Series Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDC-4MP-** (Yellow)	PVC AWM 4 X 22 AWG 300V, 4A	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black	 M12 x 1
	MDC-4MP-**-B (Black)	-40°C to +105°C 5mm OD			
	MDCM-4MP-**	Yellow PVC AWM With Foil Shield 4 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC Foil Shield		
	MDCM-4MSP-**	Yellow PVC AWM With Foil Shield 4 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC Foil Shield to the Coupling Nut		
	MDCP-4MP-**	Yellow PUR AWM 4 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDCW-4MP-**	Yellow TPE AWM 4 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Weld Slag Resistant TPE		
	MDCWF-4MP-**	Black TPE AWM 4 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Hi-Flex Weld Slag Resistant TPE		
	MDCPQ-4MP-**	Yellow PUR AWM 4 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Coiled Oil and Cutting Fluid Resistant Cut Resistant PUR		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Black and gray cables are available on some versions, please consult the factory.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDC-4MP-1M becomes MDC-4MP-1M-SS)



MDC (M12) Series Cordsets

4 Conductor MDC Series Cordsets, 22AWG



Straight Female Cordsets | 300 Volt, 4 amps | IP67 Rating



Shielded to coupling nut versions are not UL listed.



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDC-4FP-** (Yellow) MDC-4FP-**-B (Black)	PVC AWM 4 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black 5. Not Used	 M12 x 1
	MDCM-4FP-**	Yellow PVC AWM With Foil Shield 4 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC Foil Shield		
	MDCM-4FSP-**	Yellow PVC AWM With Foil Shield 4 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC Foil Shield to the Coupling Nut		
	MDCP-4FP-**	Yellow PUR AWM 4 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDCW-4FP-**	Yellow TPE AWM 4 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Weld Slag Resistant TPE		
	MDCWF-4FP-**	Black TPE AWM 4 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Hi-Flex Weld Slag Resistant TPE		
		MDCPQ-4FP-**	Yellow PUR AWM 4 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

2~5 Pole females will have all 5 contact holes in the connector.

Black and gray cables are available on some versions, please consult the factory.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDC-4FP-1M becomes MDC-4FP-1M-SS)

H

Micro-DC (M12) Series Cordsets



MDC (M12) Series Cordsets

5 Conductor MDC Series Cordsets, 18/22AWG



Straight Male Cordsets | 300 Volt, 4 amps | IP67 Rating



Shielded to coupling nut versions are not UL listed.



H

Micro-DC (M12) Series Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDC-5MPX-** (Yellow) MDC-5MPX-**-B (Black)	Yellow PVC AWM 5 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black 5. Gray	 M12x1
	MDC-5MP-** (Yellow) MDC-5MP-**-B (Black)	PVC AWM 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC		
	MDCM-5MP-**	Yellow PVC AWM With Foil Shield 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC Foil Shield		
	MDCM-5MSP-**	Yellow PVC AWM With Foil Shield 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC Foil Shield to the Coupling Nut		
	MDCP-5MP-**	Yellow PUR AWM 5 X 22 AWG 300V, 4A -40°C to +80°C 5.8mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDCWF-5MP-**-B	Black TPE AWM 5 X 22 AWG 300V, 4A -40°C to +80°C 5.2mm OD	Hi-Flex Weld Slag Resistant TPE		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult the factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDC-5MPX-1M becomes MDC-5MPX-1M-SS)



MDC (M12) Series Cordsets

5 Conductor MDC Series Cordsets, 18/22AWG



Straight Female Cordsets | 300 Volt, 4 amps | IP67 Rating

Shielded to coupling nut versions
are not UL listed.



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDC-5FPX-** (Yellow) MDC-5FPX-**-B (Black)	Yellow PVC AWM 5 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black 5. Gray	 M12x1
	MDC-5FP-** (Yellow) MDC-5FP-**-B (Black)	PVC AWM 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC		
	MDCM-5FP-**	Yellow PVC AWM With Foil Shield 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC Foil Shield		
	MDCM-5FSP-**	Yellow PVC AWM With Foil Shield 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC Foil Shield to the Coupling Nut		
	MDCP-5FP-**	Yellow PUR AWM 5 X 22 AWG 300V, 4A -40°C to +80°C 5.8mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDCWF-5FP-**-B	Black TPE AWM 5 X 22 AWG 300V, 4A -40°C to +80°C 5.2mm OD	Hi-Flex Weld Slag Resistant TPE		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult the factory for other lengths.

2~5 Pole females will have all 5 contact holes in the connector.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDC-5FPX-1M becomes MDC-5FPX-1M-SS)

H

Micro-DC (M12) Series Cordsets



MDC (M12) Series Cordsets

6 & 8 Conductor MDC Series Cordsets, 24AWG



Straight Male Cordsets | 60 Volt, 2 amps | IP67 Rating



Shielded to coupling nut versions are not UL listed.



H

Micro-DC (M12) Series Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDCM-6MP-**	Yellow PVC AWM With Foil Shield 6 X 24 AWG 60V, 2A -40°C to +105°C 5.8mm OD	Industry Standard PVC Foil Shield	1. Brown 2. White 3. Blue 4. Black 5. Gray 6. Pink	 M12 x 1
	MDCM-6MSP-**	Yellow PVC AWM With Foil Shield 6 X 24 AWG 60V, 2A -40°C to +105°C 6mm OD	Industry Standard PVC Foil Shield to the Coupling Nut		
	MDCM-8MP-**	Yellow PVC AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +105°C 6mm OD	Industry Standard PVC Foil Shield	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red	 M12 x 1
	MDCM-8MSP-**	Yellow PVC AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +105°C 6mm OD	Industry Standard PVC Foil Shield to the Coupling Nut		
	MDCP-8MP-** (Yellow)	PUR AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 6mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield		
	MDCP-8MP-**-B (Black)	PUR AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 6mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield		
	MDCP-8MSP-**	Yellow PUR AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 6mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield to the Coupling Nut		
	MDCW-8MP-**	Yellow TPE AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 6mm OD	Weld Slag Resistant TPE Foil Shield		
MDCW-8MSP-**	Yellow TPE AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 6mm OD	Weld Slag Resistant TPE Foil Shield to the Coupling Nut			

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Black and gray cables are available on some versions, please consult the factory.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDCP-8MP-1M becomes MDCP-8MP-1M-SS)



MDC (M12) Series Cordsets

6 & 8 Conductor MDC Series Cordsets, 24AWG



Straight Female Cordsets | 60 Volt, 2 amps | IP67 Rating



Shielded to coupling nut versions
are not UL listed.



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDCM-6FP-**	Yellow PVC AWM With Foil Shield 6 X 24 AWG 60V, 2A -40°C to +105°C 5.8mm OD	Industry Standard PVC Foil Shield	1. Brown 2. White 3. Blue 4. Black 5. Gray 6. Pink 7. Not Used 8. Not Used	 M12 x 1
	MDCM-6FSP-**	Yellow PVC AWM With Foil Shield 6 X 24 AWG 60V, 2A -40°C to +105°C 6mm OD	Industry Standard PVC Foil Shield to the Coupling Nut		
	MDCM-8FP-**	Yellow PVC AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +105°C 6mm OD	Industry Standard PVC Foil Shield	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red	 M12 x 1
	MDCM-8FSP-**	Yellow PVC AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +105°C 6mm OD	Industry Standard PVC Foil Shield to the Coupling Nut		
	MDCP-8FP-** (Yellow)	PUR AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 6mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield		
	MDCP-8FP-**-B (Black)	PUR AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 6mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield		
	MDCP-8FSP-**	Yellow PUR AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 6mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield to the Coupling Nut		
	MDCW-8FP-**	Yellow TPE AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 6mm OD	Weld Slag Resistant TPE Foil Shield		
MDCW-8FSP-**	Yellow TPE AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 6mm OD	Weld Slag Resistant TPE Foil Shield to the Coupling Nut			

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Micro-DC (M12) Series Cordsets

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Black and gray cables are available on some versions, please consult the factory.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDCP-8FP-1M becomes MDCP-8FP-1M-SS)



MDC (M12) Series Cordsets

10 & 12 Conductor MDC Series Cordsets, 24AWG



Straight Male Cordsets | 60 Volt, 2 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDCPM-10MP-**-B	Black PUR AWM With Foil Shield 10 X 24 AWG 60V, 2A -40°C to +80°C 6.7mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Orange 10. Tan	<p>M12 x 1</p>
	MDCM-12MP-**-B	Black PVC AWM With Foil Shield 12 X 24 AWG 60V, 2A -40°C to +105°C 6.7mm OD	Industry Standard PVC Foil Shield	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Orange 10. Tan 11. Black 12. Violet	<p>M12 x 1</p>
	MDCPM-12MP-**-B	Black PUR AWM With Foil Shield 12 X 24 AWG 60V, 2A -40°C to +80°C 6.7mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield		

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Micro-DC (M12) Series Cordsets

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Black and gray cables are available on some versions, please consult the factory.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDCM-12MP-1M-B becomes MDCM-12MP-1M-B-SS)



MDC (M12) Series Cordsets

10 & 12 Conductor MDC Series Cordsets, 24AWG



Straight Female Cordsets | 60 Volt, 2 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDCPM-10FP-**-B	Black PUR AWM With Foil Shield 10 X 24 AWG 60V, 2A -40°C to +80°C 6.7mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Orange 10. Tan 11. Not Used 12. Not Used	<p>M12 x 1</p>
	MDCM-12FP-**-B	Black PVC AWM With Foil Shield 12 X 24 AWG 60V, 2A -40°C to +105°C 6.7mm OD	Industry Standard PVC Foil Shield	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Orange 10. Tan 11. Black 12. Violet	<p>M12 x 1</p>
	MDCPM-12FP-**-B	Black PUR AWM With Foil Shield 12 X 24 AWG 60V, 2A -40°C to +80°C 6.7mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield		

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Micro-DC (M12) Series Cordsets

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Black and gray cables are available on some versions, please consult the factory.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDCM-12FP-1M becomes MDCM-12FP-1M-B-SS)



MDC (M12) Series Cordsets

2 & 3 Conductor MDC Series Cordsets, 18/20/22AWG



Right Angle Male Cordsets | 300 Volt, 4 amps | IP67 Rating



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Micro-DC (M12) Series Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDC-2MPX-**-R	Yellow PVC AWM 2 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	3. Brown 4. Blue	
	MDC-2MP-**-R	Yellow PVC AWM 2 X 20 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC		
	MDC-3MPX-**-R	Yellow PVC AWM 3 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Brown 3. Blue 4. Black	
	MDC-3MP-**-R	Yellow PVC AWM 3 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC		
	MDCM-3MP-**-R	Yellow PVC AWM With Foil Shield 3 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC Foil Shield		
	MDCP-3MP-**-R	Yellow PUR AWM 3 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult the factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix.(e.g. MDC-3MPX-1M-R becomes MDC-3MPX-1M-R-SS)



MDC (M12) Series Cordsets

2 & 3 Conductor MDC Series Cordsets, 18/20/22AWG



Right Angle Female Cordsets | 300 Volt, 4 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDC-2FPX-**-R	Yellow PVC AWM 2 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Not Used 2. Not Used 3. Brown 4. Blue 5. Not Used	 M12x1
	MDC-2FP-**-R	Yellow PVC AWM 2 X 20 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC		
	MDC-3FPX-**-R	Yellow PVC AWM 3 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Brown 2. Not Used 3. Blue 4. Black 5. Not Used	 M12x1
	MDC-3FP-**-R	Yellow PVC AWM 3 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC		
	MDCM-3FP-**-R	Yellow PVC AWM With Foil Shield 3 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC Foil Shield		
	MDCP-3FP-**-R	Yellow PUR AWM 3 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult the factory for other lengths.

2~5 Pole females will have all 5 contact holes in the connector.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDC-3FPX-1M-R becomes MDC-3FPX-1M-R-SS)

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Micro-DC (M12) Series Cordsets



MDC (M12) Series Cordsets

4 Conductor MDC Series Cordsets, 18/22AWG



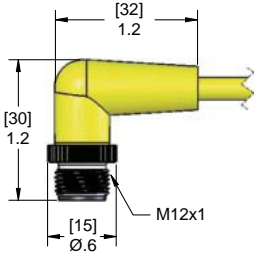
Right Angle Male Cordsets | 300 Volt, 4 amps | IP67 Rating



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Micro-Dc (M12) Series Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDC-4MPX-**-R (Yellow) MDC-4MPX-**-R-B (Black)	PVC AWM 4 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black	 M12x1
	MDCP-4MPX-**-R	Yellow PUR AWM 4 X 18 AWG 300V, 4A -40°C to +80°C 7.4mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDCW-4MPX-**-R	Yellow TPE AWM 4 X 18 AWG 300V, 4A -40°C to +80°C 7.4mm OD	Weld Slag Resistant TPE		
	MDC-4MP-**-R (Yellow) MDC-4MP-**-R-B (Black)	PVC AWM 4 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC		
	MDCM-4MP-**-R	Yellow PVC AWM With Foil Shield 4 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC Foil Shield		
	MDCP-4MP-**-R	Yellow PUR AWM 4 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDCW-4MP-**-R	Yellow TPE AWM 4 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Weld Slag Resistant TPE		
	MDCWF-4MP-**-R	Black TPE AWM 4 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Hi-Flex Weld Slag Resistant TPE		



** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult the factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix.(e.g. MDC-4MPX-1M-R becomes MDC-4MPX-1M-R-SS)



MDC (M12) Series Cordsets

4 Conductor MDC Series Cordsets, 18/22AWG



Right Angle Female Cordsets | 300 Volt, 4 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDC-4FPX-**-R (Yellow) MDC-4FPX-**-R-B (Black)	PVC AWM 4 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black 5. Not Used	 M12x1
	MDCP-4FPX-**-R	Yellow PUR AWM 4 X 18 AWG 300V, 4A -40°C to +80°C 7.4mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDCW-4FPX-**-R	Yellow TPE AWM 4 X 18 AWG 300V, 4A -40°C to +80°C 7.4mm OD	Weld Slag Resistant TPE		
	MDC-4FP-**-R (Yellow) MDC-4FP-**-R-B (Black)	PVC AWM 4 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC		
	MDCM-4FP-**-R	Yellow PVC AWM With Foil Shield 4 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC Foil Shield		
	MDCP-4FP-**-R	Yellow PUR AWM 4 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDCW-4FP-**-R	Yellow TPE AWM 4 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Weld Slag Resistant TPE		
	MDCWF-4FP-**-R	Black TPE AWM 4 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Hi-Flex Weld Slag Resistant TPE		

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Micro-DC (M12) Series Cordsets

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult the factory for other lengths.

2~5 Pole females will have all 5 contact holes in the connector.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDC-4FPX-1M-R becomes MDC-4FPX-1M-R-SS)



MDC (M12) Series Cordsets

5 & 6 Conductor MDC Series Cordsets, 22/24AWG



Right Angle Male Cordsets | 300V, 4A | 60V, 2A | IP67 Rating



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Micro-DC (M12) Series Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDC-5MPX-**-R	Yellow PVC AWM 5 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black 5. Gray	 M12 x 1
	MDC-5MP-**-R (Yellow) MDC-5MP-**-R-B (Black)	PVC AWM 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC		
	MDCM-5MP-**-R	Yellow PVC AWM With Foil Shield 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC Foil Shield		
	MDCP-5MP-**-R	Yellow PUR AWM 5 X 22 AWG 300V, 4A -40°C to +80°C 5.8mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDCWF-5MP-**-R-B	Black TPE AWM 5 X 22 AWG 300V, 4A -40°C to +80°C 5.2mm OD	Hi-Flex Weld Slag Resistant TPE		
	MDCM-6MP-**-R	Yellow PVC AWM With Foil Shield 6 X 24 AWG 60V, 2A -40°C to +105°C 5.8mm OD	Industry Standard PVC Foil Shield		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Black and gray cables are available on some versions, please consult the factory.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDC-5MP-1M-R becomes MDC-5MP-1M-R-SS)



MDC (M12) Series Cordsets

5 & 6 Conductor MDC Series Cordsets, 22/24AWG



Right Angle Female Cordsets | 300V, 4A | 60V, 2A | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDC-5FPX**-R	Yellow PVC AWM 5 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black 5. Gray	 M12 x 1
	MDC-5FP**-R (Yellow) MDC-5FP**-R-B (Black)	PVC AWM 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC		
	MDCM-5FP**-R	Yellow PVC AWM With Foil Shield 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC Foil Shield		
	MDCP-5FP**-R	Yellow PUR AWM 5 X 22 AWG 300V, 4A -40°C to +80°C 5.8mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDCWF-5FP**-R-B	Black TPE AWM 5 X 22 AWG 300V, 4A -40°C to +80°C 5.2mm OD	Hi-Flex Weld Slag Resistant TPE		
	MDCM-6FP**-R	Yellow PVC AWM With Foil Shield 6 X 24 AWG 60V, 2A -40°C to +105°C 5.8mm OD	Industry Standard PVC Foil Shield	1. Brown 2. White 3. Blue 4. Black 5. Gray 6. Pink 7. Not Used 8. Not Used	 M12 x 1

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Micro-DC (M12) Series Cordsets

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

2~5 Pole females will have all 5 contact holes in the connector.

Black and gray cables are available on some versions, please consult the factory.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDC-5FP-1M-R becomes MDC-5FP-1M-R-SS)



MDC (M12) Series Cordsets

8, 10 & 12 Conductor MDC Series Cordsets, 24AWG



Right Angle Male Cordsets | 60 Volt, 2 amps | IP67 Rating



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Micro-DC (M12) Series Cordsets

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDCM-8MP-**-R	Yellow PVC AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +105°C 6mm OD	Industry Standard PVC Foil Shield	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red	<p>M12 x 1</p>
	MDCP-8MP-**-R (Yellow) MDCP-8MP-**-R-B (Black)	PUR AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 6mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield		
	MDCW-8MP-**-R	Yellow TPE AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 6mm OD	Weld Slag Resistant TPE Foil Shield		
	MDCPM-10MP-**-R-B	Black PUR AWM With Foil Shield 10 X 24 AWG 60V, 2A -40°C to +80°C 6.7mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Orange 10. Tan	<p>M12 x 1</p>
		MDCM-12MP-**-R-B	Black PVC AWM With Foil Shield 12 X 24 AWG 60V, 2A -40°C to +105°C 6.7mm OD	Industry Standard PVC Foil Shield	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Orange 10. Tan 11. Black 12. Violet
MDCPM-12MP-**-R-B		Black PUR AWM With Foil Shield 12 X 24 AWG 60V, 2A -40°C to +80°C 6.7mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Black and gray cables are available on some versions, please consult the factory.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDCP-8MP-1M-R becomes MDCP-8MP-1M-R-SS)

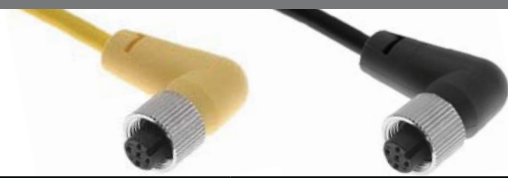


MDC (M12) Series Cordsets

8, 10 & 12 Conductor MDC Series Cordsets, 24AWG



Right Angle Female Cordsets | 60 Volt, 2 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDCM-8FP-**-R	Yellow PVC AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +105°C 6mm OD	Industry Standard PVC Foil Shield	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red	 M12 x 1
	MDCP-8FP-**-R (Yellow) MDCP-8FP-**-R-B (Black)	PUR AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 6.1mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield		
	MDCW-8FP-**-R	Yellow TPE AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 6mm OD	Weld Slag Resistant TPE Foil Shield		
	MDCPM-10FP-**-R-B	Black PUR AWM With Foil Shield 10 X 24 AWG 60V, 2A -40°C to +80°C 6.7mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Orange 10. Tan 11. Not Used 12. Not Used	 M12 x 1
	MDCM-12FP-**-R-B MDCPM-12FP-**-R-B	Black PVC AWM With Foil Shield 12 X 24 AWG 60V, 2A -40°C to +105°C 6.7mm OD Black PUR AWM With Foil Shield 12 X 24 AWG 60V, 2A -40°C to +80°C 6.7mm OD	Industry Standard PVC Foil Shield Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Orange 10. Tan 11. Black 12. Violet	 M12 x 1

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Micro-DC (M12) Series Cordsets

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Black and gray cables are available on some versions, please consult the factory.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDCP-8FP-1M-R becomes MDCP-8FP-1M-R-SS)

MDC (M12) Series Cordsets with LEDs

3 Conductor MDC Series Cordsets, 22AWG



Right Angle Female Cordsets | 10-30 Volt, 4 amps | IP67 Rating

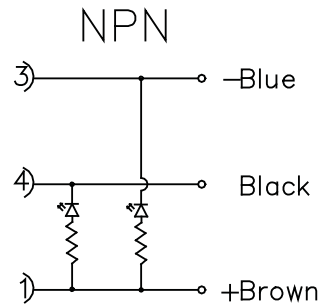
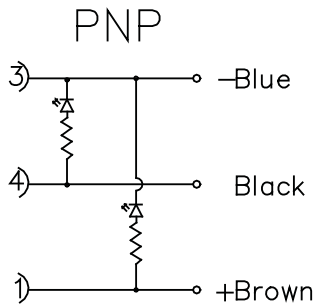


Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDC-3FP-**-R-PNP	PVC 10-30V 3 X 22 AWG -40°C to +105°C 5mm OD	Industry Standard PVC	1. Brown 2. Not Used 3. Blue 4. Black 5. Not Used	<p>M12 x 1</p>
	MDC-3FP-**-R-NPN				

** Lengths in meters. Standard cable lengths are 2, 5 & 10 meters. Consult factory for other lengths.

Females will have all 5 contact holes in the connector.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDC-3FP-2M-R-PNP becomes MDC-3FP-2M-R-PNP-SS)



Circuit Specification

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Micro-DC (M12) Series Cordsets



MDC (M12) Series Cordsets

4 Conductor MDC Series Cordsets, 18/22AWG



Double Ended Cordsets | Straight | 300 Volt, 4 amps | IP67 Rating



Shielded to coupling nut versions are not UL listed.



Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
<p>M12 x 1</p>	MDC-4MFPX-**	Yellow PVC AWM 4 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black	<p>M12 x 1</p>
	MDCP-4MFPX-**	Yellow PUR AWM 4 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDC-4MFP-** (Yellow) MDC-4MFP-**-B (Black)	Yellow PVC AWM 4 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC		
	MDCM-4MFP-**	Yellow PVC AWM With Foil Shield 4 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC Foil Shield		
	MDCM-4MFPS-**	Yellow PVC AWM With Foil Shield 4 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC Foil Shield to the Coupling Nut		

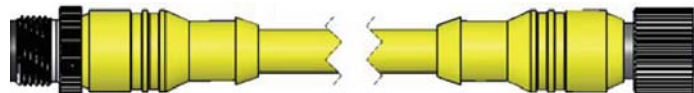
H
Micro-DC (M12) Series Cordsets

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

4 Pole females will have all 5 contact holes in the connector.

Black and gray cables are available on some versions, please consult the factory.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDC-5MFPX-1M becomes MDCM-5MFPX-1M-SS)



Male - Female Extension



MDC (M12) Series Cordsets

4 Conductor MDC Series Cordsets, 22AWG



Double Ended Cordsets | Straight | 300 Volt, 4 amps | IP67 Rating



H

Micro-DC (M12) Series Cordsets

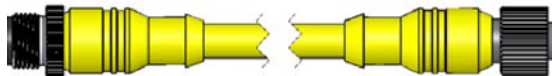
Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
<p>M12 x 1</p>	MDCP-4MFP-**	Yellow PUR AWM 4 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR	1. Brown 2. White 3. Blue 4. Black	<p>M12 x 1</p>
	MDCPQ-4MFP-**	Yellow PUR AWM 4 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Coiled Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDCW-4MFP-**	Yellow TPE AWM 4 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Weld Slag Resistant TPE		
	MDCWF-4MFP-**	Black TPE AWM 4 X 22 AWG 300V, 4A -40°C to +80°C 5mm OD	Hi-Flex Weld Slag Resistant TPE		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

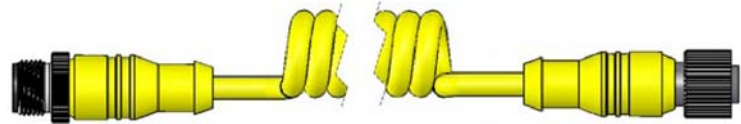
Females will have all 5 contact holes in the connector.

Black and gray cables are available on some versions, please consult the factory.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDCP-4MFP-1M becomes MDCP-4MFP-1M-SS)



Male - Female Extension



Male - Female Coiled Extension

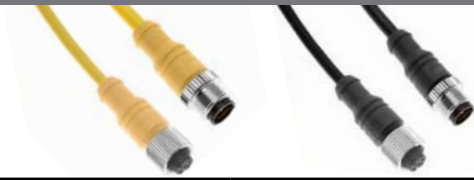


MDC (M12) Series Cordsets

5 Conductor MDC Series Cordsets, 18/22AWG

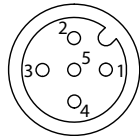
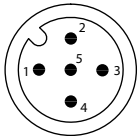


Double Ended Cordsets | Straight | 300 Volt, 4 amps | IP67 Rating



Shielded to coupling nut versions are not UL listed.

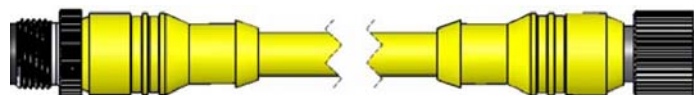


Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
 <p>M12 x 1</p>	MDC-5MFPX-**-	Yellow PVC AWM 5 X 18 AWG 300V, 4A -40°C to +80°C 7.4mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black 5. Gray	 <p>M12 x 1</p>
	MDC-5MFP-**-	Yellow PVC AWM 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC		
	MDCM-5MFP-**-	Yellow PVC AWM With Foil Shield 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC Foil Shield		
	MDCM-5MFPS-**-	Yellow PVC AWM With Foil Shield 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC Foil Shield to the Coupling Nut		
	MDCP-5MFP-**-	Yellow PUR AWM 5 X 22 AWG 300V, 4A -40°C to +80°C 5.8mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDCWF-5MFP-**-B	Black TPE AWM 5 X 22 AWG 300V, 4A -40°C to +80°C 5.2mm OD	Hi-Flex Weld Slag Resistant TPE		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Black and gray cables are available on some versions, please consult the factory.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDC-5MFP-1M becomes MDC-5MFP-1M-SS)



Male - Female Extension



MDC (M12) Series Cordsets

6 Conductor MDC Series Cordsets, 24AWG



Double Ended Cordsets | Straight | 60 Volt, 2 amps | IP67 Rating



Shielded to coupling nut versions are not UL listed.

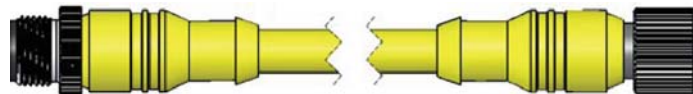


Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
<p>M12 x 1</p>	MDCM-6MFP-**	Yellow PVC AWM With Foil Shield 6 X 24 AWG 60V, 2A -40°C to +105°C 5.8mm OD	Industry Standard PVC Foil Shield	1. Brown 2. White 3. Blue 4. Black 5. Gray 6. Pink	<p>M12 x 1</p>
	MDCM-6MFPS-**	Yellow PVC AWM With Foil Shield 6 X 24 AWG 60V, 2A -40°C to +80°C 5.8mm OD	Industry Standard PVC Foil Shield to the Coupling Nut		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Black and gray cables are available on some versions, please consult the factory.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDCM-6MFP-1M becomes MDCM-6MFP-1M-SS)



Male - Female Extension

H

Micro-DC (M12) Series Cordsets



MDC (M12) Series Cordsets

8 Conductor MDC Series Cordsets, 24AWG

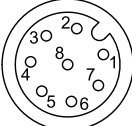
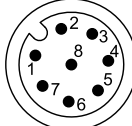


Double Ended Cordsets | Straight | 60 Volt, 2 amps | IP67 Rating



Shielded to coupling nut versions
are not UL listed.

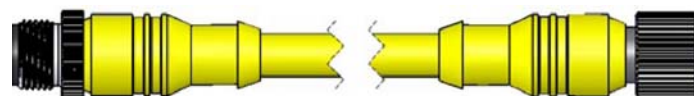


Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
 M12 x 1	MDCM-8MFP-**	Yellow PVC AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +105°C 6mm OD	Industry Standard PVC Foil Shield	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red	 M12 x 1
	MDCM-8MFPS-**	Yellow PVC AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +105°C 6mm OD	Industry Standard PVC Foil Shield to the Coupling Nut		
	MDCP-8MFP-**	Yellow PUR AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 6mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shielded		
	MDCP-8MFPS-**	Yellow PUR AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 6mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield to the Coupling Nut		
	MDCW-8MFP-**	Yellow TPE AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 6mm OD	Weld Slag Resistant TPE Foil Shield		
	MDCW-8MFPS-**	Yellow TPE AWM With Foil Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 6mm OD	Weld Slag Resistant TPE Foil Shield to the Coupling Nut		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Black and gray cables are available on some versions, please consult the factory.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDC-5MFP-1M becomes MDC-5MFP-1M-SS)



Male - Female Extension



MDC (M12) Series Cordsets

12 Conductor MDC Series Cordsets, 24AWG



Double Ended Cordsets | Straight | 60 Volt, 2 amps | IP67 Rating

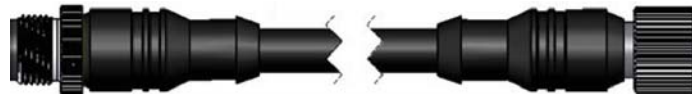


Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
<p>M12 x 1</p>	MDCM-12MFP-**-B	Black PVC AWM With Foil Shield 12 X 24 AWG 60V, 2A -40°C to +105°C 6.7mm OD	Industry Standard PVC Foil Shield	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Orange 10. Tan 11. Black 12. Violet	<p>M12 x 1</p>
	MDCPM-12MFP-**-B	Black PUR AWM With Foil Shield 12 X 24 AWG 60V, 2A -40°C to +80°C 6.7mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil Shield		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Gray cables are available on some versions, please consult the factory.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDCM-12MFP-1M-B becomes MDCM-12MFP-1M-B-SS)



Male - Female Extension

H

Micro-DC (M12) Series Cordsets



MDC (M12) Series Cordsets

4, 5 & 6 Conductor MDC Series Cordsets, 22/24AWG



Double Ended Cordsets | Right Angle | 300V, 4A | 60V, 2A | IP67 Rating



Male Faceview	Part Number	Figure	Cables	Features	Color Code	Female Faceview
<p>M12 x 1</p>	MDC-4MFP-**-R	B to D	Yellow PVC AWM 4 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black	<p>M12 x 1</p>
	MDC-4MRFP-**-	B to C				
	MDC-4MFRP-**-	A to D				
<p>M12 x 1</p>	MDC-5MFP-**-R	B to D	Yellow PVC AWM 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black 5. Gray	<p>M12 x 1</p>
	MDC-5MRFP-**-	B to C				
	MDC-5MFRP-**-	A to D				
<p>M12 x 1</p>	MDCM-6MFP-**-R	B to D	Yellow PVC AWM With Foil Shield 6 X 24 AWG 60V, 2A -40°C to +105°C 5.8mm OD	Industry Standard PVC Foil Shield	1. Brown 2. White 3. Blue 4. Black 5. Gray 6. Pink	<p>M12 x 1</p>
	MDCM-6MRFP-**-	B to C				
	MDCM-6MFRP-**-	A to D				

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

4 & 5 Pole females will have all 5 contact holes in the connector.

Black and gray cables are available on some versions, please consult the factory.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDC-4MFRP-1M becomes MDC-4MFRP-1M-SS)

Figure A



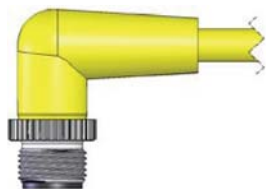
Straight Male Plug



Figure C

Straight Female Plug

Figure B



Right Angle Male Plug

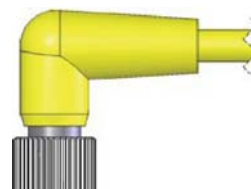


Figure D

Right Angle Female Plug

H

Micro-DC (M12) Series Cordsets



MDC (M12) to MIN (7/8"-16UN) Cordsets

3, 4 & 5 Conductor MDC Series Cordsets, 18AWG



Double Ended Cordsets | Male MDC to Female MIN | 300 Volt, 4 amps | IP67 Rating



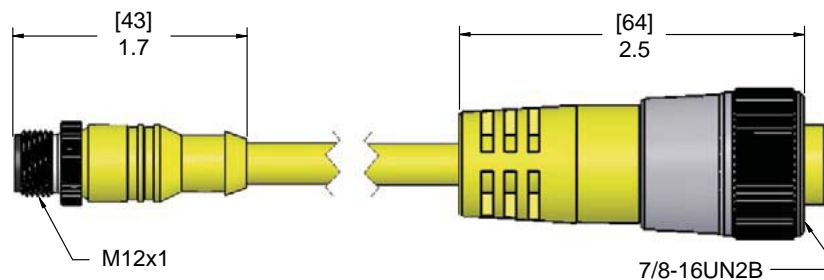
H

Micro-DC (M12) Series Cordsets

Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
<p>M12 x 1</p>	MDCIN-3MFPX-**	Yellow PVC AWM 3 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Brown 2. Not Used 3. Blue 4. Black 5. Not Used	<p>7/8"-16UN2</p>
<p>M12 x 1</p>	MDCIN-4MFPX-**	Yellow PVC AWM 4 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black	<p>7/8"-16UN2</p>
<p>M12 x 1</p>	MDCIN-5MFPX-**	Yellow PVC AWM 5 X 18 AWG 300V, 4A -40°C to +105°C 7.4mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black 5. Gray	<p>7/8"-16UN2</p>

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDCIN-5MFPX-1M becomes MDCIN-5MFPX-1M-SS)



MDC Male - MIN Female Extension

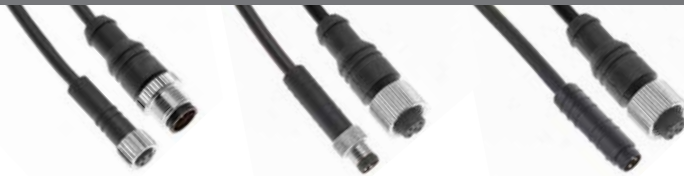


MDC (M12) to NAN (M8) Cordsets

3 & 4 Conductor MDC Series Cordsets, 24AWG



Double Ended Cordsets | 60 Volt, 4 amps | IP67 Rating



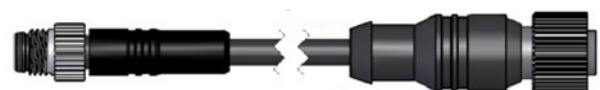
Male MDC to Threaded Female NAN					
Male Faceview	Part Number	Cables	Features	Wiring	Female Faceview
 M12 x 1	MDNT-3MFP-**	Black PVC AWM 3 X 24 AWG 60V, 4A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1 to 1 2 to 2 3 to 3	 M8 x 1
 M12 x 1	MDNT-4MFP-**	Black PVC AWM 4 X 24 AWG 60V, 4A -40°C to +80°C 4.5mm OD	Industry Standard PVC	1 to 1 2 to 2 3 to 3 4 to 4	 M8 x 1
Threaded Male NAN to Female MDC					
 M8 x 1	NANTDC-3MFP-**	Black PVC AWM 3 X 24 AWG 60V, 4A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1 to 1 2 to 2 3 to 3	 M12 x 1
 M8 x 1	NANTDC-4MFP-**	Black PVC AWM 4 X 24 AWG 60V, 4A -40°C to +80°C 4.5mm OD	Industry Standard PVC	1 to 1 2 to 2 3 to 3 4 to 4	 M12 x 1
Snap-On Male NAN to Female MDC					
 M8 x 1	NANDC-3MFP-**	Black PVC AWM 3 X 24 AWG 60V, 4A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1 to 1 2 to 2 3 to 3	 M12 x 1
 M8 x 1	NANDC-4MFP-**	Black PVC AWM 4 X 24 AWG 60V, 4A -40°C to +80°C 4.5mm OD	Industry Standard PVC	1 to 1 2 to 2 3 to 3 4 to 4	 M12 x 1

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. NANDC-4MFP-1M becomes NANDC-4MFP-1M-SS)



Male MDC to Threaded Female NAN Extension



Threaded Male NAN to Female MDC Extension



Snap-On Male NAN to Female MDC Extension

H

Micro-DC (M12) Series Cordsets



MDC (M12) Series Armored Cables

Connectivity Solutions for Harsh & Rugged Environments



Stainless Steel Armor | PVC Covered Jacket | Silicone Tube



H

Micro-DC (M12) Series Cordsets

Connector Body Style	Suffix Number	Description	Features
	A01	Stainless Steel with Cable Inside	Crush, Corrosion and Abrasion Resistant
	A02	Stainless Steel with Discrete Wires	Crush, Corrosion and Abrasion Resistant
	A02T	Stainless Steel with Teflon Discrete Wires	Crush, Corrosion and Abrasion Resistant Hi-Temperature Resistant
	A03	PVC Covered Stainless Steel with Cable Inside	Water Tight Crush and Abrasion Resistant
	A04	PVC Covered Stainless Steel with Discrete Wires	Water Tight Crush and Abrasion Resistant
	A50	Silicone Tube (Stops at Overmold)	Chemical and Weld Slag Resistant Hi-Temperature Resistant
	A51	Silicone Tube (Covers Overmold)	Chemical and Weld Slag Resistant Hi-Temperature Resistant

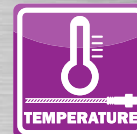
To specify Armored Cable, add a suffix number to the end of the part number (e.g. MDC-5FP-6 becomes MDC-5FP-6-A03).

Why do I need this product?

- To extend the life of existing assemblies in potentially destructive environments.
- Connectorize to make faster installation and future repairs.

Where are these products used?

Harsh & Rugged Environments exposed to Chemicals, Abrasions, High Temperature, Wash Down, Welding, Cutting, Marine Applications...



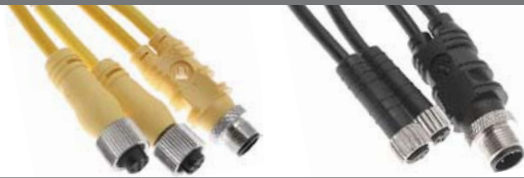


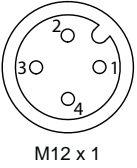
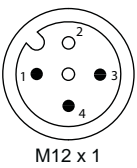
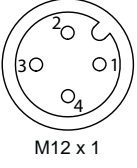
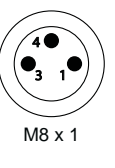
MDC (M12) Series “Y” Connectors

3 Conductor MDC Series “Y” Connector, 22/24AWG



Male to Two Female “Y” Cordsets | 60 Volt, 4 amps | IP67 Rating



Male Faceview	Part Number	Figure	Cables	Features	Color Code	Female Faceview
 M12 x 1	MDC-3YFF-**	1	Yellow PVC AWM 3 X 22 AWG -40°C to +105°C 5mm OD	Industry Standard PVC	1. Brown 2. Not Used 3. Blue 4. Black	 M12 x 1
	MDC-3Y-**	3	Yellow PVC AWM 3 X 22 AWG -40°C to +105°C 5mm OD	Industry Standard PVC	1. Brown 2. Not Used 3. Blue 4. Black	N/A
 M12 x 1	MDNT-3YFF-**	2	Black PVC AWM 3 X 24 AWG -40°C to +105°C 4.5mm OD	Industry Standard PVC	1. Brown 2. Not Used 3. Blue 4. Black	 M8 x 1

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Females will have all 5 contact holes in the connector.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a “SS” suffix. (e.g. MDC-3YFF-1M becomes MDC-3YFF-1M-SS)

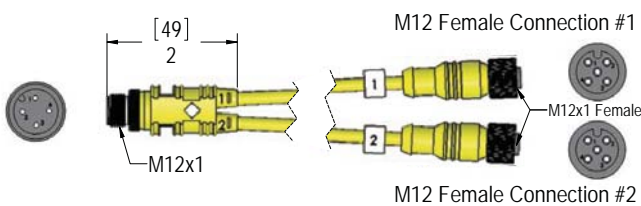


Figure 1

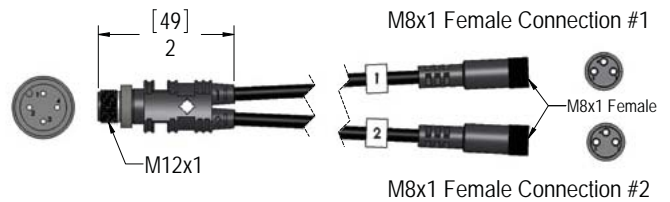


Figure 2

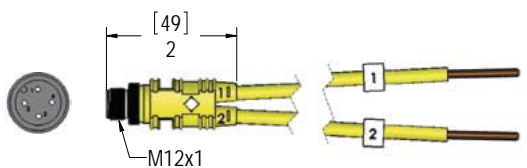
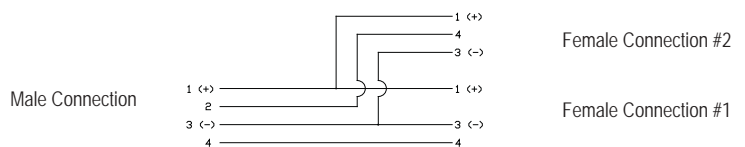


Figure 3



H

Micro-DC (M12) Series Cordsets



MDC (M12) Series Splitters

4 & 5 Conductor MDC Series Splitters



Splitters | 60 Volt, 4 amps | IP67 Rating

H

Micro-DC (M12) Series Cordsets

Housing Style	Rating	Part Number	Circuit
	60V 4A	MDC-44YFF	<p>MALE</p>
	60V 4A	MDC-45YFF	<p>MALE</p>
	60V 4A	MDC-55YFF	<p>MALE</p>

Specifications:

- Body: Oil Resistant PUR
- Insulator: Polyamide
- Contacts: Copper Alloy with Gold Plating
- Coupling Nut: Nickel Plated Brass
- O-Ring: BUNA-A
- Temperature: -40°C to +105°C (-40°F to +221°F)



MDC (M12) Series Field Wireable Plugs

4, 5 & 8 Conductor MDC Series Field Wireable Plugs, 18-24/20-24AWG



Field Wireable Plugs | PG7 & PG9 Threads | IP67 Rating



# of Poles	Male Faceview	Wire AWG Rating	Cable O.D. Range	Male plugs		Female Plugs	
				Straight	Right Angle	Straight	Right Angle
4	 M12 x 1	18-24 AWG 250V 4A	3-6.5 mm	MDC-4MP-FW07	MDC-4MP-FW07-R	MDC-4FP-FW07	MDC-4FP-FW07-R
		18-24 AWG 250V 4A	4-8 mm	MDC-4MP-FW09	MDC-4MP-FW09-R	MDC-4FP-FW09	MDC-4FP-FW09-R
5	 M12 x 1	18-24 AWG 125V 4A	3-6.5 mm	MDC-5MP-FW07	MDC-5MP-FW07-R	MDC-5FP-FW07	MDC-5FP-FW07-R
		18-24 AWG 125V 4A	4-8 mm	MDC-5MP-FW09	MDC-5MP-FW09-R	MDC-5FP-FW09	MDC-5FP-FW09-R
8	 M12 x 1	20-24 AWG 60V 2A	3-6.5 mm	MDC-8MP-FW07	MDC-8MP-FW07-R	MDC-8FP-FW07	MDC-8FP-FW07-R
		20-24 AWG 60V 2A	4-8 mm	MDC-8MP-FW09	MDC-8MP-FW09-R	MDC-8FP-FW09	MDC-8FP-FW09-R

These connectors are easily wired by inserting the individual wires into the screw terminal contacts.

The connectors are water tight to IP67 and are fully mate-able with other M12 style connectors.

H

Micro-DC (M12) Series Cordsets

Male Field Wireable Plugs

Female Field Wireable Plugs



Male Straight



Male Right Angle



Female Straight



Female Right Angle

Specifications:

- Body: Black Polyamide
- Insulator: Black Polyamide
- Contacts: Copper Alloy with Gold Plating
- Coupling Nut: Nickel Plated Brass
- Seal: NBR
- Temperature: -25°C to +85°C (-13°F to +185°F)



MDC (M12) Series Field Wireable Plugs

4 & 5 Conductor MDC Series Field Wireable Plugs, 18-24



Field Wireable Plugs | PG7 & PG9 Threads | Stainless Steel | IP67 Rating



# of Poles	Male Faceview	Wire AWG Rating	Cable O.D. Range	Male plugs		Female Plugs	
				Straight	Right Angle	Straight	Right Angle
4	 M12 x 1	18-24 AWG 250V 4A	3-6.5 mm	MDC-4MP-FW07-SS	MDC-4MP-FW07-R-SS	MDC-4FP-FW07-SS	MDC-4FP-FW07-R-SS
		18-24 AWG 250V 4A	4-8 mm	MDC-4MP-FW09-SS	MDC-4MP-FW09-R-SS	MDC-4FP-FW09-SS	MDC-4FP-FW09-R-SS
5	 M12 x 1	18-24 AWG 125V 4A	3-6.5 mm	MDC-5MP-FW07-SS	MDC-5MP-FW07-R-SS	MDC-5FP-FW07-SS	MDC-5FP-FW07-R-SS
		18-24 AWG 125V 4A	4-8 mm	MDC-5MP-FW09-SS	MDC-5MP-FW09-R-SS	MDC-5FP-FW09-SS	MDC-5FP-FW09-R-SS

These connectors are easily wired by inserting the individual wires into the screw terminal contacts.

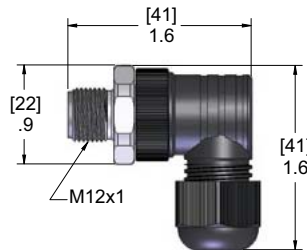
The connectors are water tight to IP67 and are fully mate-able with other M12 style connectors.

Male Field Wireable Plugs

Female Field Wireable Plugs



Male Straight



Male Right Angle



Female Straight



Female Right Angle

Specifications:

- Body: Black Polyamide
- Insulator: Black Polyamide
- Contacts: Copper Alloy with Gold Plating
- Coupling Nut: Stainless Steel
- Seal: NBR
- Temperature: -25°C to +85°C (-13°F to +185°F)



MDC (M12) Series Field Wireable Plugs

4, 5 & 8 Conductor MDC Series Field Wireable Plugs, 18-24/20-24AWG



Straight Field Wireable Plugs | Multi-Hole Grommets | IP67 Rating



# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Part Number	
					Male Plugs	Female Plugs
4	<p>M12 x 1</p>	250V 4A	18-24 AWG	5 - 10 mm	MDC-4MP-FW11	MDC-4FP-FW11
				4.5 - 5.5 mm x 2*	MDC-4MP-FW11-2x5	MDC-4FP-FW11-2x5
				4-5 mm x 2*	MDC-4MP-FW11-2x4.5	MDC-4FP-FW11-2x4.5
				3.5 - 4.5 mm x 2*	MDC-4MP-FW11-2x4	MDC-4FP-FW11-2x4
				2.5 - 3.5 mm x 2*	MDC-4MP-FW11-2x3	MDC-4FP-FW11-2x3
5	<p>M12 x 1</p>	125V 4A	18-24 AWG	5 - 10 mm	MDC-5MP-FW11	MDC-5FP-FW11
				4.5 - 5.5 mm x 2*	MDC-5MP-FW11-2x5	MDC-5FP-FW11-2x5
				4-5 mm x 2*	MDC-5MP-FW11-2x4.5	MDC-5FP-FW11-2x4.5
				3.5 - 4.5 mm x 2*	MDC-5MP-FW11-2x4	MDC-5FP-FW11-2x4
				2.5 - 3.5 mm x 2*	MDC-5MP-FW11-2x3	MDC-5FP-FW11-2x3
8	<p>M12 x 1</p>	60V 2A	20-24 AWG	5 - 10 mm	MDC-8MP-FW11	MDC-8FP-FW11
				4.5-5.5 mm x 2*	MDC-8MP-FW11-2x5	MDC-8FP-FW11-2x5
				4 - 5 mm x 2*	MDC-8MP-FW11-2x4.5	MDC-8FP-FW11-2x4.5
				3.5 - 4.5 mm x 2*	MDC-8MP-FW11-2x4	MDC-8FP-FW11-2x4
				2.5 - 3.5 mm x 2*	MDC-8MP-FW11-2x3	MDC-8FP-FW11-2x3

H

Micro-DC (M12) Series Cordsets

* These part numbers have a two hole grommet that allows two different cables to be installed into one field wireable connector. These connectors are easily wired by inserting the individual wires into the screw terminal contacts. The connectors are water tight to IP 67 and are fully mate-able with other "Micro DC" style connectors. Other multi-hole grommets are available for the PG11 version, please consult the factory for part number and availability. Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix.

Nickel Plated Brass Version

Stainless Steel Version



Male Straight



Female Straight



Male Straight



Female Straight

Specifications:

Body: Black Polyamide
 Insulator: Black Polyamide
 Contacts: Copper Alloy with Gold Plating

Coupling Nut: Nickel Plated Brass / Stainless Steel
 Seal: NBR
 Temperature: -25°C to +85°C (-13°F to +185°F)



MDC (M12) Series Field Wireable Plugs

4, 5 & 8 Conductor MDC Series Field Wireable Plugs, 18-24/20-24AWG



Straight Field Wireable Plugs | Shielded | IP67 Rating

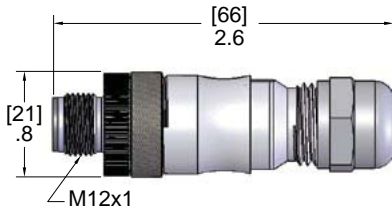


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Micro-DC (M12) Series Cordsets

# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Part Number	
					Male Plugs	Female Plugs
4	 M12 x 1	250V 4A	18-24 AWG	3-9 mm	MDCM-4MP-FW	MDCM-4FP-FW
5	 M12 x 1	50V 4A	18-24 AWG	3-9 mm	MDCM-5MP-FW	MDCM-5FP-FW
8	 M12 x 1	50V 4A	20-24AWG	6-8 mm	MDCM-8MP-FW	MDCM-8FP-FW

These connectors are easily wired by inserting the individual wires into the screw terminal contacts. The connectors are water tight to IP 67 and are fully mateable with other "Micro DC" style connectors.



Male Straight



Female Straight



Specifications:

Body: Nickel Plated Brass

Insulator: Black Polyamide

Contacts: Copper Alloy with Gold Plating

Coupling Nut: Nickel Plated Brass

Seal: NBR

Temperature: -25°C to +85°C (-13°F to +185°F)



MDC (M12) Series Accessories

MDC Series Closure Caps & Plugs



Closure Cups | Plugs | IP67 Rating

Closure Caps				
Closure Style	Part Number	Material	Threads	Mounting Hole Size
	MDC -PLUG	Nickel Plated Brass	Male	0.170"
	MDC-CAP	Nickel Plated Brass	Female	0.170"

Closure Plugs				
Closure Style	Part Number	Material	Threads	
	MDC-PLUG-PA	Black Polyamide	Male	
	MDC-SB-PLUG	Nickel Plated Brass	Male	

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Micro-DC (M12) Series Cordsets



MDC (M12) Series Accessories

2, 3 & 4 Conductor MDC Series Accessory Cables



100' Cables | Raw Cable Spools

H

Micro-DC (M12) Series Cordsets

# of Conductors	Color Code	Wire AWG	Voltage Rating	Features	Jacket Color	Part Number	
						100' Cable	Spool
2	Brown Blue	22 AWG	300V	PVC AWM 5mm OD (0.20" OD)	Yellow	MDC-2CBL-C	30A001-*
		18 AWG	300V	PVC AWM 7.4mm OD (0.29" OD)	Yellow	MDC-2CBLX-C	30BX001-*
3	Brown Blue Black	22 AWG	300V	PVC AWM 5mm OD (0.20" OD)	Yellow	MDC-3CBL-C	30B001-*
					Black	MDC-3CBL-C-B	30BB001-*
				PVC AWM With Foil Shield 5mm OD (0.20" OD)	Yellow	MDCM-3CBL-C	30BM001-*
		PUR AWM 5mm OD (0.20" OD)	Yellow	MDCP-3CBL-C	30BP001-*		
		18 AWG	300V	PVC AWM 7.4mm OD (0.29" OD)	Yellow	MDC-3CBLX-C	30BX001-*
4	Brown White Blue Black	22 AWG	300V	PVC AWM 5mm OD (0.20" OD)	Yellow	MDC-4CBL-C	30C0001-*
					Black	MDC-4CBL-C-B	30CB001-*
			PVC AWM With Foil Shield 5mm OD (0.20" OD)	Yellow	MDCM-4CBL-C	30CM001-*	
			PUR AWM 5mm OD (0.20" OD)	Yellow	MDCP-4CBL-C	30CP001-*	
			TPE AWM 5mm OD (0.20" OD)	Yellow	MDCW-4CBL-C	30CW001-*	
			Hi-Flex TPE AWM 5mm OD (0.20" OD)	Black	MDCWF-4CBL-C	30CWFB1-*	

* Standard raw spool lengths are 0250, 0500, 0750 & 1000 feet. Consult factory for other lengths.

Cable Construction subject to change without notice.

Length in feet. Standard cable length is 100 feet. Consult factory for other lengths.



MDC (M12) Series Accessories

4, 5 & 6 Conductor MDC Series Accessory Cables



100' Cables | Raw Cable Spools

# of Conductors	Color Code	Wire AWG	Voltage Rating	Features	Jacket Color	Part Number	
						100' Cable	Spool
4	Brown White Blue Black	18 AWG	300V	PVC AWM 7.4mm OD (0.29" OD)	Yellow	MDC-4CBLX-C	30CX001-*
					Black	MDC-4CBLX-C-B	30CXB01-*
				PUR AWM 7.4mm OD (0.29" OD)	Yellow	MDCP-4CBLX-C	30CXP01-*
				TPE AWM 7.4mm OD (0.29" OD)	Yellow	MDCW-4CBLX-C	30CWX01-*
5	Brown White Blue Black Gray	22 AWG	300V	PVC AWM 5.8mm OD (0.22" OD)	Yellow	MDC-5CBL-C	30D0001-*
					Black	MDC-5CBL-C-B	30DB001-*
				PVC AWM With Foil Shield 5.8mm OD (0.22" OD)	Yellow	MDCM-5CBL-C	30DM001-*
				PUR AWM 5.8mm OD (0.22" OD)	Yellow	MDCP-5CBL-C	30DP001-*
				Hi-Flex TPE AWM 5.2mm OD (0.21" OD)	Black	MDCW-5CBLX-C-B	30DWF01-*
		18 AWG	300V	PVC AWM 7.4mm OD (0.29" OD)	Yellow	MDC-5CBLX-C	30DX001-*
					Black	MDC-5CBLX-C-B	30DXB01-*
6	White Brown Green Yellow Gray Pink	24 AWG	300V	PVC With Foil Shield AWM 5.8mm OD (0.22" OD)	Yellow	MDCM-6CBL-C	30EM001-*

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Micro-DC (M12) Series Cordsets

* Standard raw spool lengths are 0250, 0500, 0750 & 1000 feet. Consult factory for other lengths.

Cable Construction subject to change without notice.

Length in feet. Standard cable length is 100 feet. Consult factory for other lengths.



MDC (M12) Series Accessories

8, 10 & 12 Conductor MDC Series Accessory Cables



100' Cables | Raw Cable Spools

# of Conductors	Color Code	Wire AWG	Voltage Rating	Features	Jacket Color	Part Number	
						100' Cable	Spool
8	White Brown Green Yellow Gray Pink Blue Red	24 AWG	600V	PVC AWM With Foil Shield 6mm OD (0.24" OD)	Yellow	MDCM-8CBL-C	30GM001-*
			300V	PUR AWM With Foil Shield 6mm OD (0.24" OD)	Yellow	MDCP-8CBL-C	30GMP01-*
					Black	MDCP-8CBL-C-B	30GMPB1-*
					Yellow	MDCW-8CBL-C	30GMW01-*
10	White Brown Green Yellow Gray Pink Blue Red Orange Tan	24 AWG	300V	PUR AWM With Foil Shield 6.7mm OD (0.26" OD)	Black	MDCPM-10CBL-C-B	30KMPB1-*
12	White Brown Green Yellow Gray Pink Blue Red Orange Tan Black Violet	24 AWG	300V	PVC AWM With Foil Shield 6.7mm OD (0.26" OD)	Black	MDCM-12CBL-C-B	30KMB01-*
				PUR AWM With Foil Shield 6.7mm OD (0.26" OD)	Black	MDCPM-12CBL-C-B	30KMPB1-*

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Micro-DC (M12) Series Cordsets

* Standard raw spool lengths are 0250, 0500, 0750 & 1000 feet. Consult factory for other lengths.

Cable Construction subject to change without notice.

Length in feet. Standard cable length is 100 feet. Consult factory for other lengths.

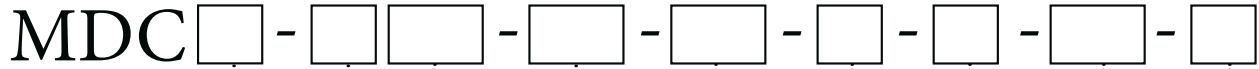


MDC (M12) Series Receptacles

MDC Series Receptacle Part Number Matrix



Not all options available with all receptacles, please consult factory.



Style

- Blank = No Ground Tab
- M = Ground Tab

Number of Conductors

- 2
- 3
- 4
- 5
- 6
- 8
- 10
- 12

Connector Configuration

- MR = Male Receptacle
- FR = Female Receptacle
- MFR = Male - Female Through Panel Receptacle

Mounting Style

- 2 = Front Mount 1/2"-14 NPT
- 4 = Front Mount 1/4"-18 NPT
- PG7 = Front Mount PG 7 Threads
- PG9 = Front Mount PG 9 Threads
- FLPG9 = Front Locking PG 9 Threads
- PG11 = Front Mount PG 11 Threads
- PG13.5 = Front Mount PG 13.5 Threads
- M14 = Front Mount Metric 14 Threads
- M16 = Front Mount Metric 16 Threads
- FLM16 = Front Locking M16 Threads
- M20 = Front Mount Metric 20 Threads
- BM = Back Mount
- PM = Panel Mount
- TM = Through Panel Mount

Shell Material

- Blank = Aluminum or Nickel plated brass
- SS = Stainless Steel
- N = Nylon
- PASW = Plastic

R/A or Straight

- Blank = Straight
- R = Right Angle

Wire AWG

- Blank = 22/24 AWG
- 18 = 18 AWG

Length in Meters

- Blank = 1'

Termination Type

- Blank = Pre-Wired
- SC = Solder Cup
- PCB = PCB Mount

H

Micro-DC (M12) Series Receptacles



MDC (M12) Series Receptacles

MDC Series Receptacle Index



Front Mount

H

Micro-DC (M12) Series Receptacles

<p>Front Mount, Male, 1/2"-14 NPT Page H-51 ~ H-52</p>	<p>Front Mount, Female, 1/2"-14 NPT Page H-51 ~ H-52</p>
<p>Front Mount, Male, 1/4"-18 NPT Page H-53 ~ H-54</p>	<p>Front Mount, Female, 1/4"-18 NPT Page H-53 ~ H-54</p>
<p>Front Mount, Male, PG9 Thread Page H-55 ~ H-57</p>	<p>Front Mount, Female, PG9 Thread Page H-55 ~ H-57</p>
<p>Front Mount, Male, PG7 Thread Page H-55 ~ H-56</p>	<p>Front Mount, Male, PG11 Thread Page H-55 ~ H-57</p>



Front Mount, Male, PG13.5 Thread Page H-55 ~ H-57	Front Mount, Male, M14 Thread Page H-58 ~ H-60
Front Mount, Male, M16 Thread Page H-58 ~ H-60	Front Mount, Female, M16 Thread Page H-58 ~ H-60
Front Mount, Male, M20 Thread Page H-58 ~ H-60	Front Mount, Female, M20 Thread Page H-58 ~ H-60
Front Mount, Front Lock Nut, Male, PG9 Page H-61 ~ H-62	Front Mount, Front Lock Nut, Female, PG9 Page H-61 ~ H-62

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Micro-DC (M12) Series Receptacles



MDC (M12) Series Receptacles

MDC Series Receptacle Index



Front Mount | Front Mount Solder Cup | PCB Mount

H

Micro-DC (M12) Series Receptacles

<p>Front Mount, Front Lock Nut, Male, M16 Page H-61 ~ H-62</p>	<p>Front Mount, Front Lock Nut, Female, M16 Page H-61 ~ H-62</p>
<p>Front Mount, Male, 1/2"-14NPT, Solder Cup Page H-72 ~ H-73</p>	<p>Front Mount, Female, 1/2"-14NPT, Solder Cup Page H-72 ~ H-73</p>
<p>Front Mount, Male, M20, Solder Cup Page H-72 ~ H-73</p>	<p>Front Mount, Female, M20, Solder Cup Page H-72 ~ H-73</p>
<p>PCB Mount, Male, Straight Page H-65 ~ H-67</p>	<p>PCB Mount, Female, Straight Page H-65 ~ H-67</p>



<p>PCB Mount, Male, Right Angle Page H-65 ~ H-67</p>	<p>PCB Mount, Male, Right Angle Page H-65 ~ H-67</p>
<p>Back Mount, Male, PG9 Thread Page H-63 ~ H-64</p>	<p>Back Mount, Female, PG9 Thread Page H-63 ~ H-64</p>
<p>Back Mount, Male, M20 Thread Page H-63 ~ H-64</p>	<p>Back Mount, Female, M20 Thread Page H-63 ~ H-64</p>
<p>PCB Back Mount, Male Page H-68</p>	<p>PCB Back Mount, Female Page H-68</p>

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Micro-DC (M12) Series Receptacles



MDC (M12) Series Receptacles

MDC Series Receptacle Index



Panel Mount | Through Panel Mount

Panel Mount, Male	Through Panel Mount, Male to Female
<p style="text-align: right;">Page H-69</p>	<p style="text-align: right;">Page H-71</p>

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Micro-DC (M12) Series Receptacles



MDC (M12) Series Receptacles

2, 3, 4 & 5 Conductor MDC Series Receptacles, 18/22AWG



Front Mount Receptacles | 1/2"-14 NPT Threads | 300 Volt, 4 amps | IP67 Rating



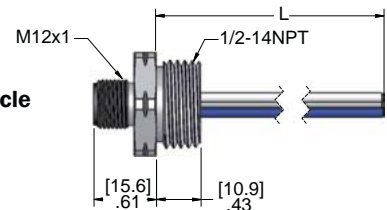
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Aluminum		Stainless Steel	
					Male Receptacles	Female Receptacles	Male Receptacles	Female Receptacles
2		3. Brown 4. Blue	300V 4A	18 AWG	MDC-2MR-2-18	MDC-2FR-2-18	MDC-2MR-2-18-SS	MDC-2FR-2-18-SS
				22 AWG	MDC-2MR-2	MDC-2FR-2	MDC-2MR-2-SS	MDC-2FR-2-SS
3		1. Brown 3. Blue 4. Black	300V 4A	18 AWG	MDC-3MR-2-18	MDC-3FR-2-18	MDC-3MR-2-18-SS	MDC-3FR-2-18-SS
				22 AWG	MDC-3MR-2	MDC-3FR-2	MDC-3MR-2-SS	MDC-3FR-2-SS
4		1. Brown 2. White 3. Blue 4. Black	300V 4A	18 AWG	MDC-4MR-2-18	MDC-4FR-2-18	MDC-4MR-2-18-SS	MDC-4FR-2-18-SS
				22 AWG	MDC-4MR-2	MDC-4FR-2	MDC-4MR-2-SS	MDC-4FR-2-SS
5		1. Brown 2. White 3. Blue 4. Black 5. Gray	300V 4A	18 AWG	MDC-5MR-2-18	MDC-5FR-2-18	MDC-5MR-2-18-SS	MDC-5FR-2-18-SS
				22 AWG	MDC-5MR-2	MDC-5FR-2	MDC-5MR-2-SS	MDC-5FR-2-SS

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.
O-ring and lock nut are included on lead lengths of 15" or longer.

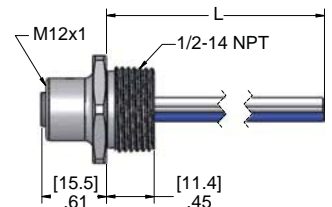
Specifications:

- Shell: Clear Anodized Aluminum/Stainless Steel
- Insulator: Polyamide
- Wire: 18 & 22 AWG: 300V, UL Style 1007/1569
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Lock Nut: Zinc Plated Steel
- Temperature: -40°C to 105°C (-40°F to +221°F)

1/2" NPT Male Receptacle



1/2" NPT Female Receptacle



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Micro-DC (M12) Series Receptacles



MDC (M12) Series Receptacles

6, 8, 10 & 12 Conductor MDC Series Receptacles, 24AWG

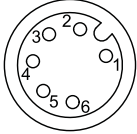
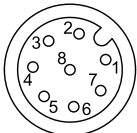
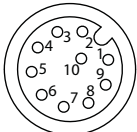
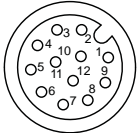


Front Mount Receptacles | 1/2"-14 NPT Threads | 60 Volt, 2 amps | IP67 Rating

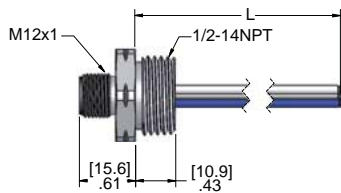


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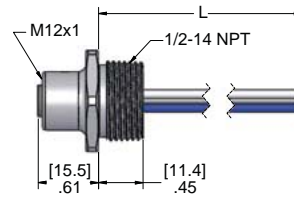
Micro-DC (M12) Series Receptacles

# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Aluminum		Stainless Steel	
					Male Receptacles	Female Receptacles	Male Receptacles	Female Receptacles
6	 M12 x 1	1. Brown 2. White 3. Blue 4. Black 5. Gray 6. Pink	60V 2A	24 AWG	MDC-6MR-2	MDC-6FR-2	MDC-6MR-2-SS	MDC-6FR-2-SS
8	 M12 x 1	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red	60V 2A	24 AWG	MDC-8MR-2	MDC-8FR-2	MDC-8MR-2-SS	MDC-8FR-2-SS
10	 M12 x 1	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Orange 10. Tan	60V 2A	24 AWG	MDC-10MR-2	MDC-10FR-2	MDC-10MR-2-SS	MDC-10FR-2-SS
12	 M12 x 1	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Orange 10. Tan 11. Black 12. Violet	60V 2A	24 AWG	MDC-12MR-2	MDC-12FR-2	MDC-12MR-2-SS	MDC-12FR-2-SS

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.
O-ring and lock nut are included on lead lengths of 15" or longer.



1/2" NPT Male Receptacle



1/2" NPT Female Receptacle

Specifications:

Shell: Clear Anodized Aluminum/Stainless Steel
 Insulator: Polyamide
 Wire: 24 AWG: 60V, UL Style 1007/1569
 Contacts: Copper Alloy with Gold Plating

O-Ring: NBR
 Lock Nut: Zinc Plated Steel
 Temperature: -40°C to 105°C (-40°F to +221°F)



MDC (M12) Series Receptacles

2, 3, 4 & 5 Conductor MDC Series Receptacles, 18/22AWG



Front Mount Receptacles | 1/4"-18 NPT Threads | 300 Volt, 4 amps | IP67 Rating



# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Nickel Plated Brass		Stainless Steel	
					Male Receptacles	Female Receptacles	Male Receptacles	Female Receptacles
2	 M12x1	3. Brown 4. Blue	300V 4A	18 AWG	MDC-2MR-4-18	MDC-2FR-4-18	MDC-2MR-4-18-SS	MDC-2FR-4-18-SS
				22 AWG	MDC-2MR-4	MDC-2FR-4	MDC-2MR-4-SS	MDC-2FR-4-SS
3	 M12x1	1. Brown 3. Blue 4. Black	300V 4A	18 AWG	MDC-3MR-4-18	MDC-3FR-4-18	MDC-3MR-4-18-SS	MDC-3FR-4-18-SS
				22 AWG	MDC-3MR-4	MDC-3FR-4	MDC-3MR-4-SS	MDC-3FR-4-SS
4	 M12x1	1. Brown 2. White 3. Blue 4. Black	300V 4A	18 AWG	MDC-4MR-4-18	MDC-4FR-4-18	MDC-4MR-4-18-SS	MDC-4FR-4-18-SS
				22 AWG	MDC-4MR-4	MDC-4FR-4	MDC-4MR-4-SS	MDC-4FR-4-SS
5	 M12x1	1. Brown 2. White 3. Blue 4. Black 5. Gray	300V 4A	18 AWG	MDC-5MR-4-18	MDC-5FR-4-18	MDC-5MR-4-18-SS	MDC-5FR-4-18-SS
				22 AWG	MDC-5MR-4	MDC-5FR-4	MDC-5MR-4-SS	MDC-5FR-4-SS

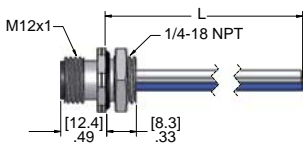
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Micro-DC (M12) Series Receptacles

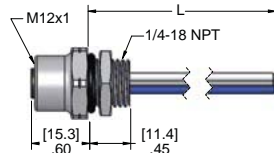
12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

1/4" NPT Nickel Plated Brass

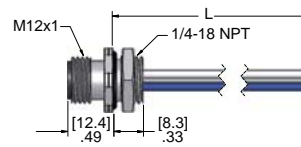
1/4" NPT Stainless Steel



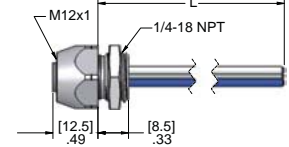
Male Receptacles



Female Receptacles



Male Receptacles



Female Receptacles

Specifications:

Shell: Nickel Plated Brass/Stainless Steel
 Insulator: Polyamide
 Wire: 18, 22 & 24 AWG: 300V,
 UL Style 1007/1569

Contacts: Copper Alloy with Gold Plating
 Jam Nut: Nickel Plated Brass
 O-Ring: NBR
 Temperature: -40°C to 105°C (-40°F to +221°F)



MDC (M12) Series Receptacles

6, 8, 10 & 12 Conductor MDC Series Receptacles, 24AWG

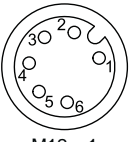
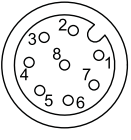
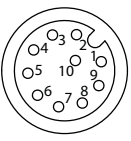
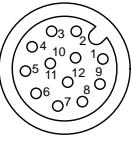


Front Mount Receptacles | 1/4"-18 NPT Threads | 60 Volt, 2 amps | IP67 Rating



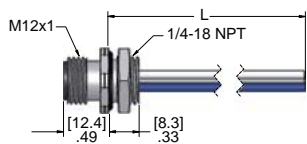
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Micro-DC (M12) Series Receptacles

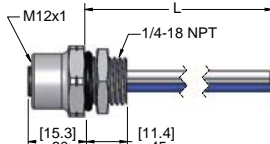
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Nickel Plated Brass		Stainless Steel	
					Male Receptacles	Female Receptacles	Male Receptacles	Female Receptacles
6	 M12 x 1	1. Brown 2. White 3. Blue 4. Black 5. Gray 6. Pink	60V 2A	24 AWG	MDC-6MR-4	MDC-6FR-4	MDC-6MR-4-SS	MDC-6FR-4-SS
8	 M12 x 1	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red	60V 2A	24 AWG	MDC-8MR-4	MDC-8FR-4	MDC-8MR-4-SS	MDC-8FR-4-SS
10	 M12 x 1	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Orange 10. Tan	60V 2A	24 AWG	MDC-10MR-4	MDC-10FR-4	MDC-10MR-4-SS	MDC-10FR-4-SS
12	 M12 x 1	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Orange 10. Tan 11. Black 12. Violet	60V 2A	24 AWG	MDC-12MR-4	MDC-12FR-4	MDC-12MR-4-SS	MDC-12FR-4-SS

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

1/4" NPT Nickel Plated Brass

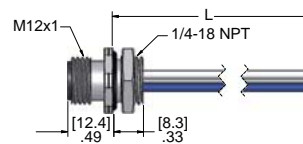


Male Receptacles

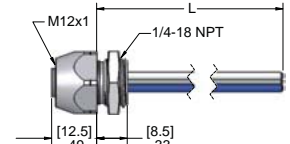


Female Receptacles

1/4" NPT Stainless Steel



Male Receptacles



Female Receptacles

Specifications:

Shell: Nickel Plated Brass/
Stainless Steel
Insulator: Polyamide
Wire: 24 AWG: 60V,
UL Style 1007/1569

Contacts: Copper Alloy with Gold Plating
Jam Nut: Nickel Plated Brass
O-Ring: NBR
Temperature: -40°C to 105°C (-40°F to +221°F)



MDC (M12) Series Receptacles

2, 3, 4 & 5 Conductor MDC Series Receptacles, 18/22AWG

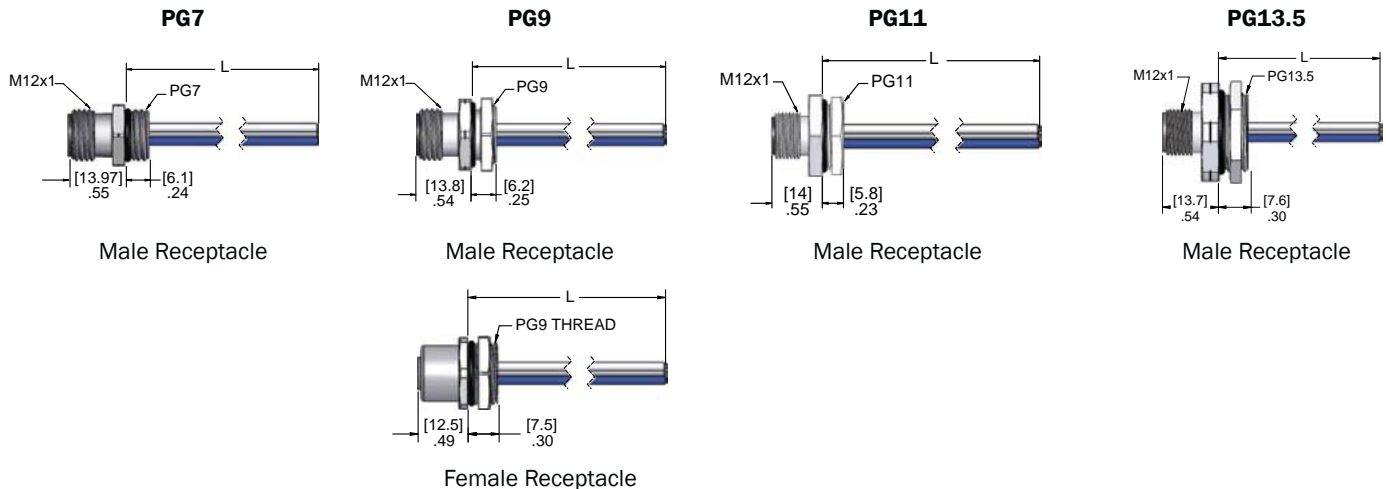


Front Mount Receptacles | PG Threads | 300 Volt, 4 amps | IP67 Rating



# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles				Female Receptacles
					PG 7	PG 9	PG 11	PG 13.5	PG 9
2	 M12 x 1	3. Brown 4. Blue	300V 4A	18	MDC-2MR-PG7-18	MDC-2MR-PG9-18	MDC-2MR-PG11-18	MDC-2MR-PG13.5-18	MDC-2FR-PG9-18
				22	MDC-2MR-PG7	MDC-2MR-PG9	MDC-2MR-PG11	MDC-2MR-PG13.5	MDC-2FR-PG9
3	 M12x1	1. Brown 3. Blue 4. Black	300V 4A	18	MDC-3MR-PG7-18	MDC-3MR-PG9-18	MDC-3MR-PG11-18	MDC-3MR-PG13.5-18	MDC-3FR-PG9-18
				22	MDC-3MR-PG7	MDC-3MR-PG9	MDC-3MR-PG11	MDC-3MR-PG13.5	MDC-3FR-PG9
4	 M12 x 1	1. Brown 2. White 3. Blue 4. Black	300V 4A	18	MDC-4MR-PG7-18	MDC-4MR-PG9-18	MDC-4MR-PG11-18	MDC-4MR-PG13.5-18	MDC-4FR-PG9-18
				22	MDC-4MR-PG7	MDC-4MR-PG9	MDC-4MR-PG11	MDC-4MR-PG13.5	MDC-4FR-PG9
5	 M12 x 1	1. Brown 2. White 3. Blue 4. Black 5. Gray	300V 4A	18	MDC-5MR-PG7-18	MDC-5MR-PG9-18	MDC-5MR-PG11-18	MDC-5MR-PG13.5-18	MDC-5FR-PG9-18
				22	MDC-5MR-PG7	MDC-5MR-PG9	MDC-5MR-PG11	MDC-5MR-PG13.5	MDC-5FR-PG9

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.
Stainless Steel is available, add a "SS" suffix (e.g. MDC-5MR-PG11 becomes MDC-5MR-PG11-SS).



Specifications:

Shell:	PG7, PG9 & PG11: Nickel Plated Brass PG13.5: Clear Anodized Aluminum	Contacts:	Copper Alloy with Gold Plating
Insulator:	Polyamide	Jam Nut:	Nickel Plated Brass
Wire:	18, 22 AWG: 300V, UL Style 1007/1569	O-Ring:	NBR
		Temperature:	-40°C to 105°C (-40°F to +221°F)



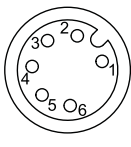
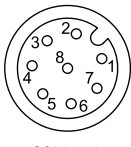
MDC (M12) Series Receptacles

6 & 8 Conductor MDC Series Receptacles, 24AWG



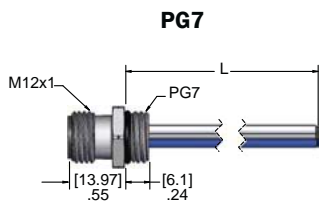
Front Mount Receptacles | PG Threads | 60 Volt, 2 amps | IP67 Rating



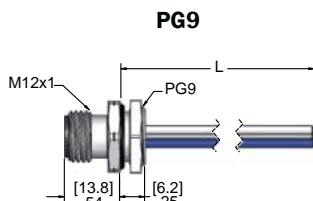
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles				Female Receptacles
					PG 7	PG 9	PG 11	PG 13.5	PG 9
6	 M12 x 1	1. Brown 2. White 3. Blue 4. Black 5. Gray 6. Pink	60V 2A	24	MDC-6MR-PG7	MDC-6MR-PG9	MDC-6MR-PG11	MDC-6MR-PG13.5	MDC-6FR-PG9
8	 M12 x 1	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red	60V 2A	24	MDC-8MR-PG7	MDC-8MR-PG9	MDC-8MR-PG11	MDC-8MR-PG13.5	MDC-8FR-PG9

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.
Stainless Steel is available, add a "-SS" suffix (e.g. MDC-5MR-PG11 becomes MDC-5MR-PG11-SS).

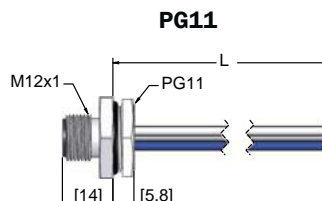
H Micro-DC (M12) Series Receptacles



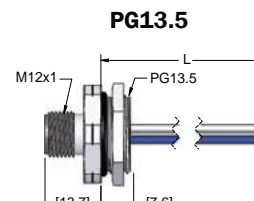
Male Receptacle



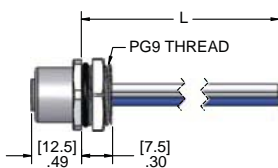
Male Receptacle



Male Receptacle



Male Receptacle



Female Receptacle

Specifications:

Shell: PG7, PG9 & PG11: Nickel Plated Brass
PG13.5: Clear Anodized Aluminum
Insulator: Polyamide
Wire: 18, 22 AWG: 300V, UL Style 1007/1569

Contacts: Copper Alloy with Gold Plating
Jam Nut: Nickel Plated Brass
O-Ring: NBR
Temperature: -40°C to 105°C (-40°F to +221°F)



MDC (M12) Series Receptacles

10 & 12 Conductor MDC Series Receptacles, 18/22AWG



Front Mount Receptacles | PG Threads | 60 Volt, 2 amps | IP67 Rating

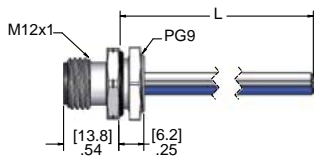


# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles			Female Receptacles
					PG 9	PG 11	PG 13.5	PG 9
10	M12 x 1	<ol style="list-style-type: none"> White Brown Green Yellow Gray Pink Blue Red Orange Tan 	60V 2A	24	MDC-10MR-PG9	MDC-10MR-PG11	MDC-10MR-PG13.5	MDC-10FR-PG9
12	M12 x 1	<ol style="list-style-type: none"> White Brown Green Yellow Gray Pink Blue Red Orange Tan Black Violet 	60V 2A	24	MDC-12MR-PG9	MDC-12MR-PG11	MDC-12MR-PG13.5	MDC-12FR-PG9

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.
Stainless Steel is available, add a "-SS" suffix (e.g. MDC-5MR-PG11 becomes MDC-5MR-PG11-SS).

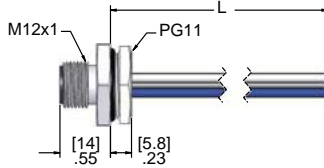
H
Micro-DC (M12) Series Receptacles

PG9



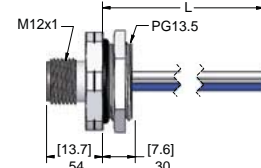
Male Receptacle

PG11

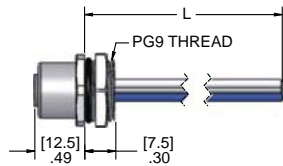


Male Receptacle

PG13.5



Male Receptacle



Female Receptacle

Specifications:

Shell:	PG9 & PG11: Nickel Plated Brass PG13.5: Clear Anodized Aluminum	Contacts:	Copper Alloy with Gold Plating
Insulator:	Polyamide	Jam Nut:	Nickel Plated Brass
Wire:	18, 22 AWG: 300V, UL Style 1007/1569	O-Ring:	NBR
		Temperature:	-40°C to 105°C (-40°F to +221°F)



MDC (M12) Series Receptacles

2, 3, 4 & 5 Conductor MDC Series Receptacles, 18/22AWG



Front Mount Receptacles | Metric Threads | 300 Volt, 4 amps | IP67 Rating



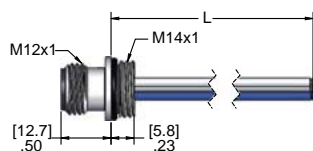
H

Micro-DC (M12) Series Receptacles

# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles			Female Receptacles	
					M14 x 1.0	M16 x 1.5	M20 x 1.5	M16 x 1.5	M20 x 1.5
2	 M12x1	3. Brown 4. Blue	300V 4A	18	MDC-2MR-M14-18	MDC-2MR-M16-18	MDC-2MR-M20-18	MDC-2FR-M16-18	MDC-2FR-M20-18
				22	MDC-2MR-M14	MDC-2MR-M16	MDC-2MR-M20	MDC-2FR-M16	MDC-2FR-M20
3	 M12x1	1. Brown 3. Blue 4. Black	300V 4A	18	MDC-3MR-M14-18	MDC-3MR-M16-18	MDC-3MR-M20-18	MDC-3FR-M16-18	MDC-3FR-M20-18
				22	MDC-3MR-M14	MDC-3MR-M16	MDC-3MR-M20	MDC-3FR-M16	MDC-3FR-M20
4	 M12x1	1. Brown 2. White 3. Blue 4. Black	300V 4A	18	MDC-4MR-M14-18	MDC-4MR-M16-18	MDC-4MR-M20-18	MDC-4FR-M16-18	MDC-4FR-M20-18
				22	MDC-4MR-M14	MDC-4MR-M16	MDC-4MR-M20	MDC-4FR-M16	MDC-4FR-M20
5	 M12x1	1. Brown 2. White 3. Blue 4. Black 5. Gray	300V 4A	18	MDC-5MR-M14-18	MDC-5MR-M16-18	MDC-5MR-M20-18	MDC-5FR-M16-18	MDC-5FR-M20-18
				22	MDC-5MR-M14	MDC-5MR-M16	MDC-5MR-M20	MDC-5FR-M16	MDC-5FR-M20

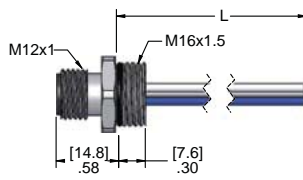
12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

M14 Threads



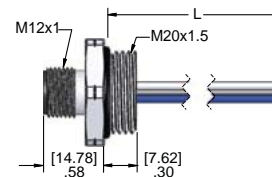
Male Receptacle

M16 Threads

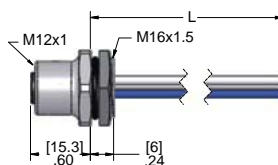


Male Receptacle

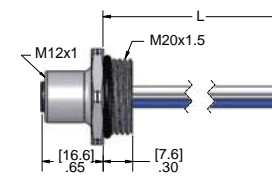
M20 Threads



Male Receptacle



Female Receptacle



Female Receptacle

Specifications:

Shell: M14 x 1.0: Nickel Plated Brass
M16 x 1.5: Nickel Plated Brass
M20 x 1.5: Clear Anodized Aluminum
Insulator: Polyamide
Wire: 18, 22 & 24 AWG: 300V, UL Style 1007/1569

Contacts: Copper Alloy with Gold Plating
Jam Nut: Nickel Plated Brass
O-Ring: NBR
Temperature: -40°C to 105°C (-40°F to +221°F)



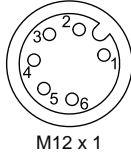
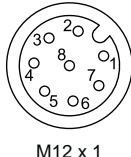
MDC (M12) Series Receptacles

6 & 8 Conductor MDC Series Receptacles, 24AWG

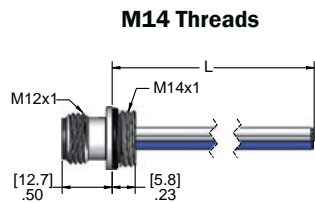


Front Mount Receptacles | Metric Threads | 60 Volt, 2 amps | IP67 Rating

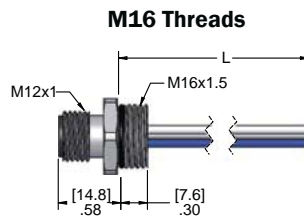


# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles			Female Receptacles	
					M14 x 1.0	M16 x 1.5	M20 x 1.5	M16 x 1.5	M20 x 1.5
6	 M12 x 1	1. Brown 2. White 3. Blue 4. Black 5. Gray 6. Pink	60V 2A	24	MDC-6MR-M14	MDC-6MR-M16	MDC-6MR-M20	MDC-6FR-M16	MDC-6FR-M20
8	 M12 x 1	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red	60V 2A	24	MDC-8MR-M14	MDC-8MR-M16	MDC-8MR-M20	MDC-8FR-M16	MDC-8FR-M20

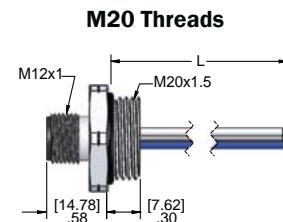
12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.



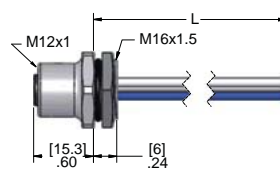
Male Receptacle



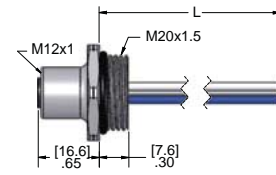
Male Receptacle



Male Receptacle



Female Receptacle



Female Receptacle

Specifications:

Shell: M14 x 1.0: Nickel Plated Brass
 M16 x 1.5: Nickel Plated Brass
 M20 x 1.5: Clear Anodized Aluminum
 Insulator: Polyamide
 Wire: 18, 22 & 24 AWG: 300V, UL Style 1007/1569

Contacts: Copper Alloy with Gold Plating
 Jam Nut: Nickel Plated Brass
 O-Ring: NBR
 Temperature: -40°C to 105°C (-40°F to +221°F)

H

Micro-DC (M12) Series Receptacles



MDC (M12) Series Receptacles

10 & 12 Conductor MDC Series Receptacles, 24AWG



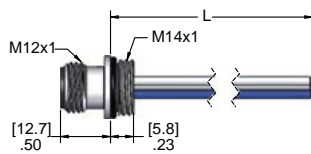
Front Mount Receptacles | Metric Threads | 60 Volt, 2 amps | IP67 Rating



# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles			Female Receptacles	
					M14 x 1.0	M16 x 1.5	M20 x 1.5	M16 x 1.5	M20 x 1.5
10	 M12 x 1	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Orange 10. Tan	60V 2A	24	MDC-10MR-M14	MDC-10MR-M16	MDC-10MR-M20	MDC-10FR-M16	MDC-10FR-M20
12	 M12 x 1	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Orange 10. Tan 11. Black 12. Violet	60V 2A	24	MDC-12MR-M14	MDC-12MR-M16	MDC-12MR-M20	MDC-12FR-M16	MDC-12FR-M20

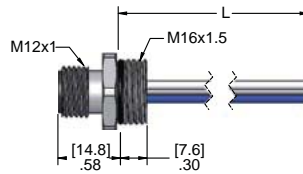
12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

M14 Threads



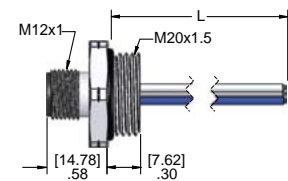
Male Receptacle

M16 Threads

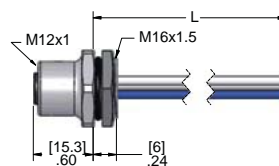


Male Receptacle

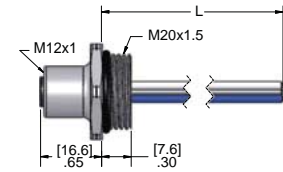
M20 Threads



Male Receptacle



Female Receptacle



Female Receptacle

Specifications:

Shell: M14 x 1.0: Nickel Plated Brass
 M16 x 1.5: Nickel Plated Brass
 M20 x 1.5: Clear Anodized Aluminum

Insulator: Polyamide

Wire: 18, 22 & 24 AWG: 300V, UL Style 1007/1569

Contacts: Copper Alloy with Gold Plating
 Jam Nut: Nickel Plated Brass
 O-Ring: NBR
 Temperature: -40°C to 105°C (-40°F to +221°F)



MDC (M12) Series Receptacles

2, 3, 4 & 5 Conductor MDC Series Receptacles, 18/22AWG



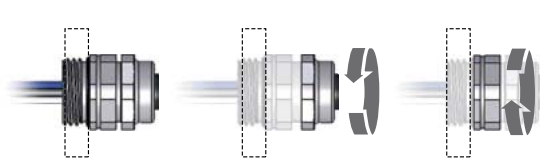
Front Mount Receptacles | Front Lock Nut | PG9 & M16 Threads | 300 Volt, 4 amps | IP67 Rating

These receptacles are designed for thread mount applications that require keyway orientation.



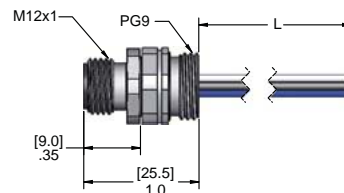
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	PG9 Threads		M16 Threads	
					Male Receptacles	Female Receptacles	Male Receptacles	Female Receptacles
2	 M12x1	1. Not Used 2. Not Used 3. Brown 4. Blue	300V 4A	18	MDC-2MR-FLPG9-18	MDC-2FR-FLPG9-18	MDC-2MR-FLM16-18	MDC-2FR-FLM16-18
				22	MDC-2MR-FLPG9	MDC-2FR-FLPG9	MDC-2MR-FLM16	MDC-2FR-FLM16
3	 M12x1	1. Brown 3. Blue 4. Black	300V 4A	18	MDC-3MR-FLPG9-18	MDC-3FR-FLPG9-18	MDC-3MR-FLM16-18	MDC-3FR-FLM16-18
				22	MDC-3MR-FLPG9	MDC-3FR-FLPG9	MDC-3MR-FLM16	MDC-3FR-FLM16
4	 M12x1	1. Brown 2. White 3. Blue 4. Black	300V 4A	18	MDC-4MR-FLPG9-18	MDC-4FR-FLPG9-18	MDC-4MR-FLM16-18	MDC-4FR-FLM16-18
				22	MDC-4MR-FLPG9	MDC-4FR-FLPG9	MDC-4MR-FLM16	MDC-4FR-FLM16
5	 M12x1	1. Brown 2. White 3. Blue 4. Black 5. Gray	300V 4A	18	MDC-5MR-FLPG9-18	MDC-5FR-FLPG9-18	MDC-5MR-FLM16-18	MDC-5FR-FLM16-18
				22	MDC-5MR-FLPG9	MDC-5FR-FLPG9	MDC-5MR-FLM16	MDC-5FR-FLM16

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.



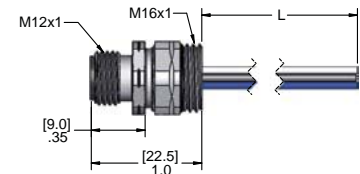
1. Thread the receptacle into your device, leaving a little play between the front connector hex and the locking hex.
2. Adjust the keyway to the orientation you require.
3. Then tighten the locking hex until secure in device.

PG9 Threads

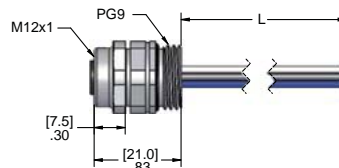


Male Receptacle

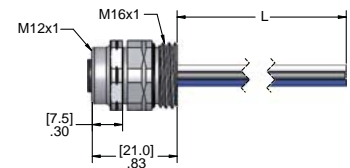
M16 Threads



Male Receptacle



Female Receptacle



Female Receptacle

Specifications:

- Shell: Nickel Plated Brass
- Insulator: Polyamide
- Wire: 18, 22 AWG: 300V, UL Style 1007/1569
- Contacts: Copper Alloy with Gold Plating
- O-Ring: FPM & NBR
- Temperature: -40°C to 105°C (-40°F to +221°F)



MDC (M12) Series Receptacles

6, 8, 10 & 12 Conductor MDC Series Receptacles, 24AWG



Front Mount Receptacles | Front Lock Nut | PG9 & M16 Threads | 60 Volt, 2 amps | IP67 Rating



These receptacles are designed for thread mount applications that require keyway orientation.

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Micro-DC (M12) Series Receptacles

# of Poles	Male Faceview	Color Code	Rating	Wire AWG	PG9 Threads		M16 Threads	
					Male Receptacles	Female Receptacles	Male Receptacles	Female Receptacles
6	 M12 x 1	1. Brown 2. White 3. Blue 4. Black 5. Gray 6. Pink	60V 2A	24	MDC-6MR-FLPG9	MDC-6FR-FLPG9	MDC-6MR-FLM16	MDC-6FR-FLM16
8	 M12 x 1	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red	60V 2A	24	MDC-8MR-FLPG9	MDC-8FR-FLPG9	MDC-8MR-FLM16	MDC-8FR-FLM16
10	 M12 x 1	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Orange 10. Tan	60V 2A	24	MDC-10MR-FLPG9	MDC-10FR-FLPG9	MDC-10MR-FLM16	MDC-10FR-FLM16
12	 M12 x 1	1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Orange 10. Tan 11. Black 12. Violet	60V 2A	24	MDC-12MR-FLPG9	MDC-12FR-FLPG9	MDC-12MR-FLM16	MDC-12FR-FLM16

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

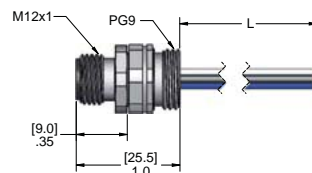


1. Thread the receptacle into your device, leaving a little play between the front connector hex and the locking hex.
2. Adjust the keyway to the orientation you require.
3. Then tighten the locking hex until secure in device.

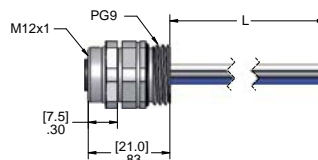
Specifications:

Shell: Nickel Plated Brass
 Insulator: Polyamide
 Wire: 24 AWG: 60V, UL Style 1007/1569
 Contacts: Copper Alloy with Gold Plating
 O-Ring: FPM & NBR
 Temperature: -40°C to 105°C (-40°F to +221°F)

PG9 Threads



Male Receptacle

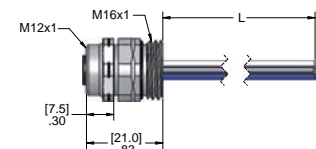


Female Receptacle

M16 Threads



Male Receptacle



Female Receptacle



MDC (M12) Series Receptacles

2, 4 & 5 Conductor MDC Series Receptacles, 18/22AWG



Back Mount Receptacles | PG9 & M20 Threads | 300 Volt, 4 amps | IP67 Rating



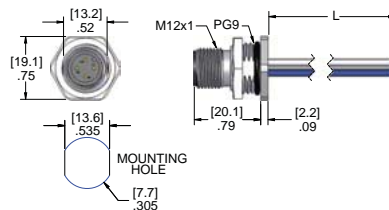
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	PG9 Threads		M20 Threads	
					Male Receptacles	Female Receptacles	Male Receptacles	Female Receptacles
2	 M12x1	3. Brown 4. Blue	300V 4A	18	MDC-2MR-BM-18	MDC-2FR-BM-18	MDC-2MR-M20-BM-18	MDC-2FR-M20-BM-18
				22	MDC-2MR-BM	MDC-2FR-BM	MDC-2MR-M20-BM	MDC-2FR-M20-BM
3	 M12x1	1. Brown 3. Blue 4. Black	300V 4A	18	MDC-3MR-BM-18	MDC-3FR-BM-18	MDC-3MR-M20-BM-18	MDC-3FR-M20-BM-18
				22	MDC-3MR-BM	MDC-3FR-BM	MDC-3MR-M20-BM	MDC-3FR-M20-BM
4	 M12x1	1. Brown 2. White 3. Blue 4. Black	300V 4A	18	MDC-4MR-BM-18	MDC-4FR-BM-18	MDC-4MR-M20-BM-18	MDC-4FR-M20-BM-18
				22	MDC-4MR-BM	MDC-4FR-BM	MDC-4MR-M20-BM	MDC-4FR-M20-BM
5	 M12x1	1. Brown 2. White 3. Blue 4. Black 5. Gray	300V 4A	18	MDC-5MR-BM-18	MDC-5FR-BM-18	MDC-5MR-M20-BM-18	MDC-5FR-M20-BM-18
				22	MDC-5MR-BM	MDC-5FR-BM	MDC-5MR-M20-BM	MDC-5FR-M20-BM

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

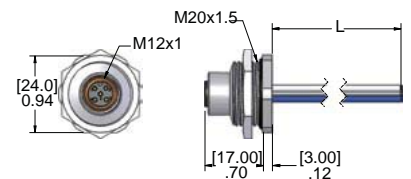
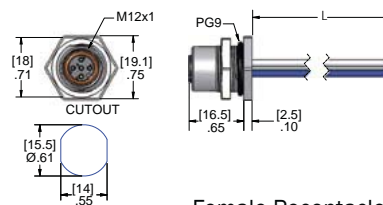
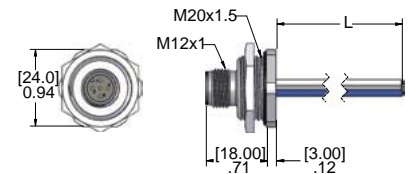
Specifications:

Shell: Nickel Plated Brass
 Insulator: Polyamide
 Wire: 18, 22 & 24 AWG: 300V,
 UL Style 1007/1569
 Contacts: Copper Alloy with Gold Plating
 O-Ring: NBR
 Jam Nut: Nickel Plated Brass
 Temperature: -40°C to 105°C (-40°F to +221°F)

PG9 Threads



M20 Threads





MDC (M12) Series Receptacles

6, 8, 10 & 12 Conductor MDC Series Receptacles, 24AWG



Back Mount Receptacles | 60 Volt, 2 amps | IP67 Rating



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Micro-DC (M12) Series Receptacles

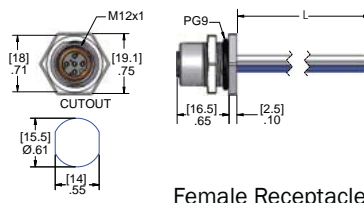
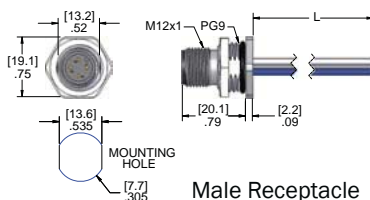
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	PG9 Threads		M20 Threads	
					Male Receptacles	Female Receptacles	Male Receptacles	Female Receptacles
6		1. Brown 2. White 3. Blue 4. Black 5. Gray 6. Pink	60V 2A	24	MDC-6MR-BM	MDC-6FR-BM	MDC-6MR-M20-BM	MDC-6FR-M20-BM
8		1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red	60V 2A	24	MDC-8MR-BM	MDC-8FR-BM	MDC-8MR-M20-BM	MDC-8FR-M20-BM
10		1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Orange 10. Tan	60V 2A	24	MDC-10MR-BM	MDC-10FR-BM	MDC-10MR-M20-BM	MDC-10FR-M20-BM
12		1. White 2. Brown 3. Green 4. Yellow 5. Gray 6. Pink 7. Blue 8. Red 9. Orange 10. Tan 11. Black 12. Violet	60V 2A	24	MDC-12MR-BM	MDC-12FR-BM	MDC-12MR-M20-BM	MDC-12FR-M20-BM

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

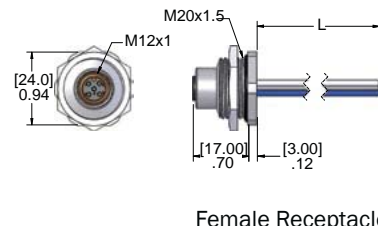
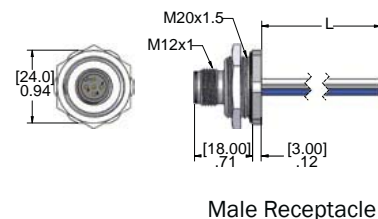
Specifications:

Shell: Nickel Plated Brass
 Insulator: Polyamide
 Wire: 24 AWG: 60V,
 UL Style 1007/1569
 Contacts: Copper Alloy with Gold Plating
 O-Ring: NBR
 Jam Nut: Nickel Plated Brass
 Temperature: -40°C to 105°C (-40°F to +221°F)

PG9 Threads



M20 Threads





MDC (M12) Series Receptacles

4 & 5 Conductor MDC Series Receptacles

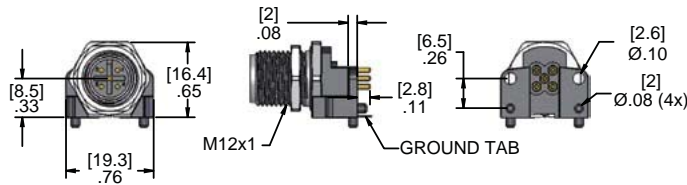


PCB Mount Male Receptacles | 250 Volt, 4 amps | IP67 Rating

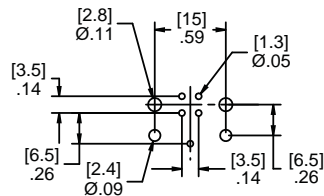
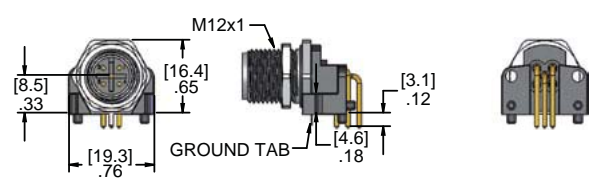


# of Poles	Male Faceview	Rating	Style	Straight	Right Angle
4	<p>M12 x 1</p>	250V 4A	PCB Mount	MDC-4MR-PCB	MDC-4MR-PCB-R
			PCB Mount w/ Ground Tab	MDCM-4MR-PCB	MDCM-4MR-PCB-R
5	<p>M12 x 1</p>	250V 4A	PCB Mount	MDC-5MR-PCB	MDC-5MR-PCB-R
			PCB Mount w/ Ground Tab	MDCM-5MR-PCB	MDCM-5MR-PCB-R

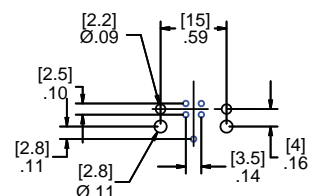
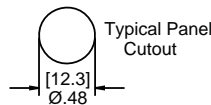
Male Straight



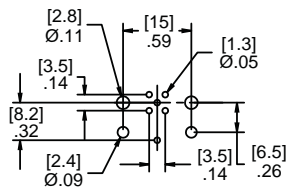
Male Right Angle



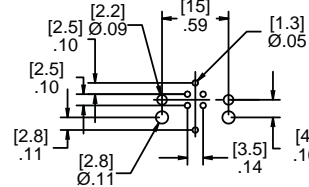
4 Pole Female Straight Layout



4 Pole Female Right Angle Layout



5 Pole Female Straight Layout



5 Pole Female Right Angle Layout

Specifications:

Body: Polyamide
 Contacts: Copper Alloy with Gold Plating
 Shell: Nickel Plated Brass

O-Ring: NBR
 Jam Nut: Nickel Plated Brass
 Temperature: -40°C to 105°C (-40°F to +221°F)



MDC (M12) Series Receptacles

4 & 5 Conductor MDC Series Receptacles

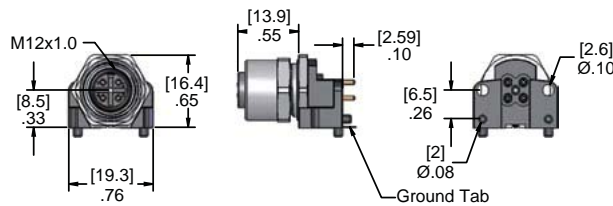


PCB Mount Female Receptacles | 250 Volt, 4 amps | IP67 Rating

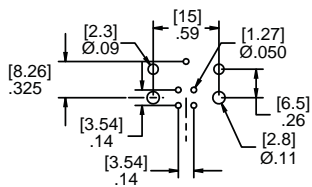
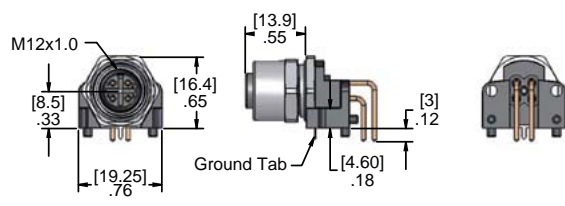


# of Poles	Female Faceview	Rating	Style	Straight	Right Angle
4	<p>M12 x 1</p>	250V 4A	PCB Mount	MDC-4FR-PCB	MDC-4FR-PCB-R
			PCB Mount w/ Ground Tab	MDCM-4FR-PCB	MDCM-4FR-PCB-R
5	<p>M12 x 1</p>	250V 4A	PCB Mount	MDC-5FR-PCB	MDC-5FR-PCB-R
			PCB Mount w/ Ground Tab	MDCM-5FR-PCB	MDCM-5FR-PCB-R

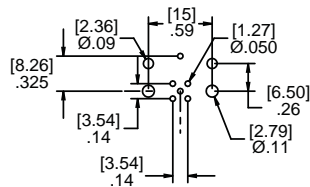
Female Straight



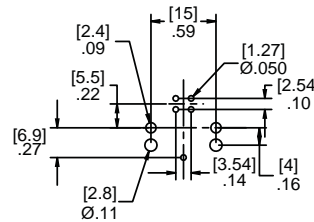
Female Right Angle



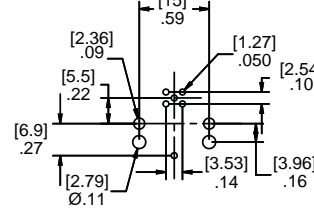
4 Pole Female Straight Layout



5 Pole Female Straight Layout



4 Pole Female Right Angle Layout



5 Pole Female Right Angle Layout



Specifications:

Body: Polyamide
 Contacts: Copper Alloy with Gold Plating
 Shell: Nickel Plated Brass

O-Ring: NBR
 Jam Nut: Nickel Plated Brass
 Temperature: -40°C to 105°C (-40°F to +221°F)



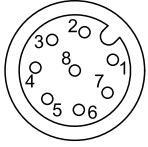
MDC (M12) Series Receptacles

8 Conductor MDC Series Receptacles

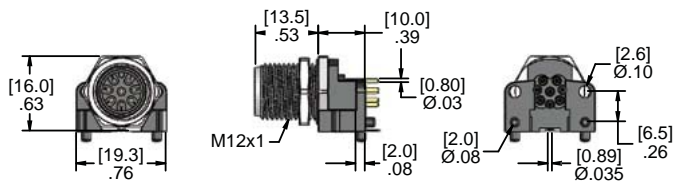


PCB Mount Receptacles | 60 Volt, 2 amps | IP67 Rating

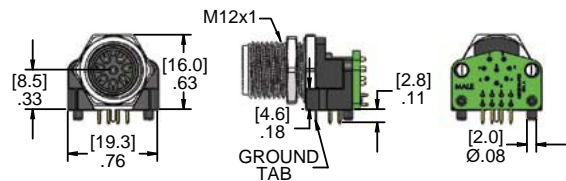


# of Poles	Male Faceview	Rating	Style	Male Receptacles		Female Receptacles	
				Straight	Right Angle	Straight	Right Angle
8	 M12 x 1	60V 2A	PCB Mount	MDC-8MR-PCB	MDC-8MR-PCB-R	MDC-8FR-PCB	MDC-8FR-PCB-R
			PCB Mount w/ Ground Tab	MDCM-8MR-PCB	MDCM-8MR-PCB-R	MDCM-8FR-PCB	MDCM-8FR-PCB-R

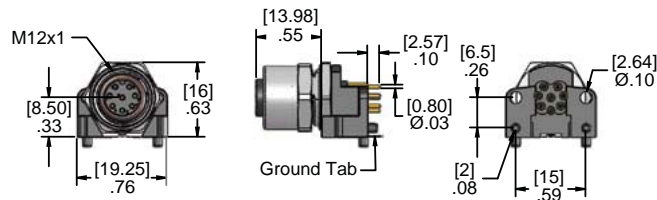
Male Straight



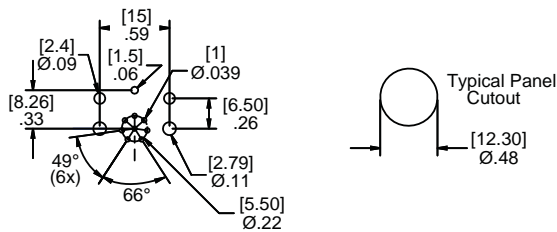
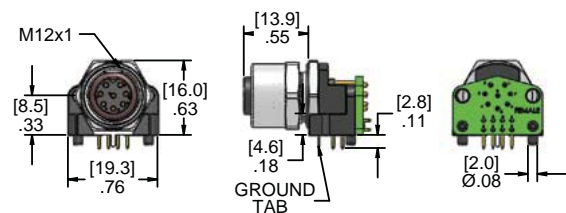
Male Right Angle



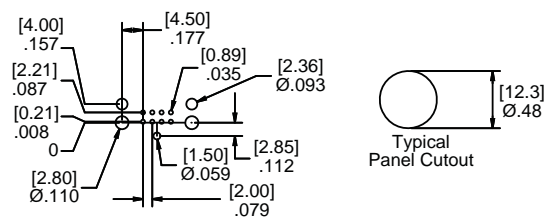
Female Straight



Female Right Angle



Straight Layout



Right Angle Layout

Specifications:

- Body: Polyamide
- Contacts: Copper Alloy with Gold Plating
- Shell: Nickel Plated Brass
- O-Ring: NBR
- Jam Nut: Nickel Plated Brass
- Temperature: -40°C to 105°C (-40°F to +221°F)

H

Micro-DC (M12) Series Receptacles



MDC (M12) Series Receptacles

2, 4, 5 & 8 Conductor MDC Series Receptacles



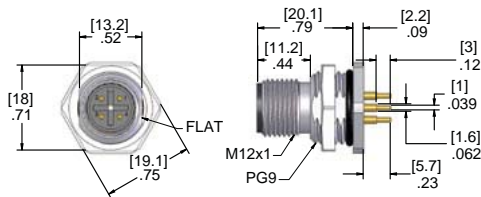
Back Mount PCB Receptacles | 300V, 4A | 60V, 2A | IP67 Rating



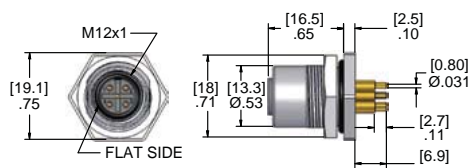
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Micro-DC (M12) Series Receptacles

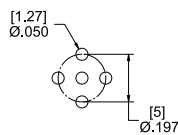
# of Poles	Male Faceview	Rating	Male Receptacles	Female Receptacles	Female Faceview
2	 M12 x 1	300V 4A	MDC-2MR-BM-PCB	MDC-2FR-BM-PCB	 M12 x 1
4	 M12 x 1	300V 4A	MDC-4MR-BM-PCB	MDC-4FR-BM-PCB	 M12 x 1
5	 M12 x 1	300V 4A	MDC-5MR-BM-PCB	MDC-5FR-BM-PCB	 M12 x 1
8	 M12 x 1	300V 4A	MDC-8MR-BM-PCB	MDC-8FR-BM-PCB	 M12 x 1



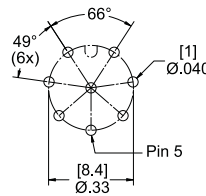
Male Receptacle



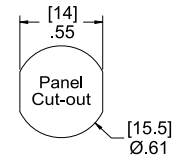
Female Receptacle



4 & 5 Pole PCB Layout



8 Pole PCB Layout



Specifications:

Shell: Nickel Plated Brass
 Insulator: Polyamide
 Contacts: Copper Alloy with Gold Plating

Jam Nut: Nickel Plated Brass
 O-Ring: NBR
 Temperature: -40°C to 105°C (-40°F to +221°F)



MDC (M12) Series Receptacles

2, 3, 4 & 5 Conductor MDC Series Receptacles, 18/22AWG



Panel Mount Male Receptacles | 300 Volt, 4 amps | IP67 Rating

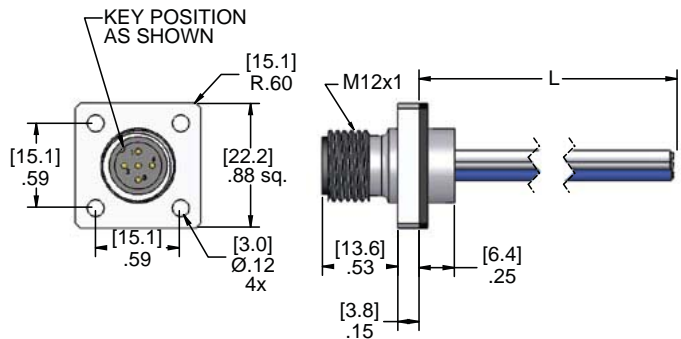


# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles
2	 M12 x 1	3. Brown 4. Blue	300V 4A	18 AWG	MDC-2MR-PM-18
				22 AWG	MDC-2MR-PM
3	 M12 x 1	1. Brown 3. Blue 4. Black	300V 4A	18 AWG	MDC-3MR-PM-18
				22 AWG	MDC-3MR-PM
4	 M12 x 1	1. Brown 2. White 3. Blue 4. Black	300V 4A	18 AWG	MDC-4MR-PM-18
				22 AWG	MDC-4MR-PM
5	 M12 x 1	1. Brown 2. White 3. Blue 4. Black 5. Gray	300V 4A	18 AWG	MDC-5MR-PM-18
				22 AWG	MDC-5MR-PM

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Specifications:

Shell: Nickel Plated Brass
 Insulator: Polyamide
 Wire: 18, 22 & 24 AWG: 300V
 UL Style 1007/1569
 Contacts: Copper Alloy with Gold Plating
 Gasket: NBR
 Temperature: -40°C to 105°C (-40°F to +221°F)



H
Micro-DC (M12) Series Receptacles



MDC (M12) Series Receptacles

6, 8, 10, & 12 Conductor MDC Series Receptacles, 24AWG



Panel Mount Male Receptacles | 60 Volt, 2 amps | IP67 Rating



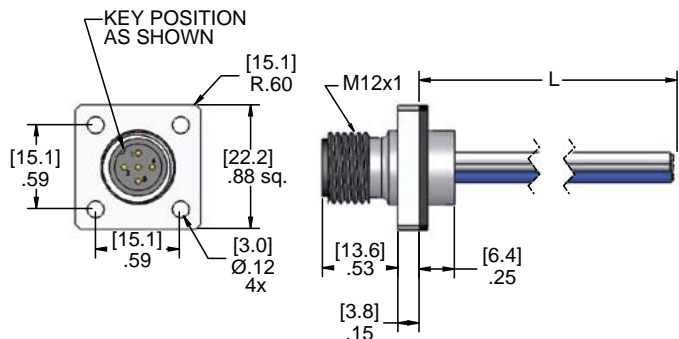
H
Micro-DC (M12) Series Receptacles

# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles
6	 M12 x 1	<ol style="list-style-type: none"> Brown White Blue Black Gray Pink 	60V 2A	24 AWG	MDC-6MR-PM
8	 M12 x 1	<ol style="list-style-type: none"> White Brown Green Yellow Gray Pink Blue Red 	60V 2A	24 AWG	MDC-8MR-PM
10	 M12 x 1	<ol style="list-style-type: none"> White Brown Green Yellow Gray Pink Blue Red Orange Tan 	60V 2A	24 AWG	MDC-10MR-PM
12	 M12 x 1	<ol style="list-style-type: none"> White Brown Green Yellow Gray Pink Blue Red Orange Tan Black Violet 	60V 2A	24 AWG	MDC-12MR-PM

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

Specifications:

Shell: Nickel Plated Brass
 Insulator: Polyamide
 Wire: 18, 22 & 24 AWG: 300V
 UL Style 1007/1569
 Contacts: Copper Alloy with Gold Plating
 Gasket: NBR
 Temperature: -40°C to 105°C (-40°F to +221°F)





MDC (M12) Series Receptacles

4, 5 & 8 Conductor MDC Series Receptacles



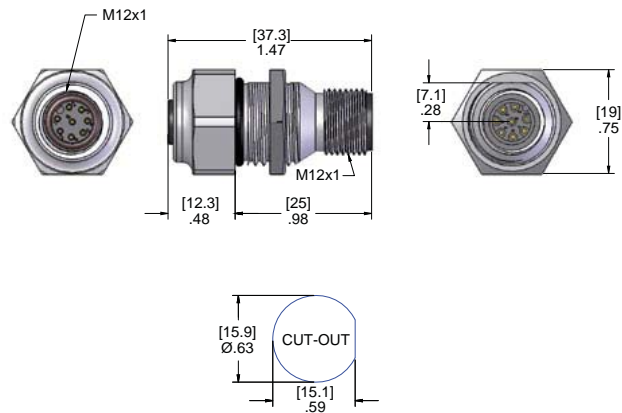
Through Panel Mount Receptacles | Male to Female | 300 Volt, 4 amps | IP67 Rating



# of Poles	Male Faceview	Rating	Wiring	Part Number	Female Faceview
4	 M12 x 1	250V 4A	1 to 1 2 to 2 3 to 3 4 to 4	MDC-4MFR-TM	 M12 x 1
5	 M12 x 1	300V 4A	1 to 1 2 to 2 3 to 3 4 to 4 5 to 5	MDC-5MFR-TM	 M12 x 1
8	 M12 x 1	60V 2A	1 to 1 2 to 2 3 to 3 4 to 4 5 to 5 6 to 6 7 to 7 8 to 8	MDC-8MFR-TM	 M12 x 1

Specifications:

Shell: Clear Anodized Aluminum
 Insulator: Polyamide
 Contacts: Copper Alloy with Gold Plating
 Jam Nut: Nickel Plated Brass
 O-Ring: NBR
 Temperature: -40°C to 105°C (-40°F to +221°F)



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Micro-DC (M12) Series Receptacles



MDC (M12) Series Receptacles

2, 3, 4 & 5 Conductor MDC Series Receptacles



Solder Cup Receptacles | 1/2"-14 NPT & Metric Threads | 300 Volt, 4 amps | IP67 Rating



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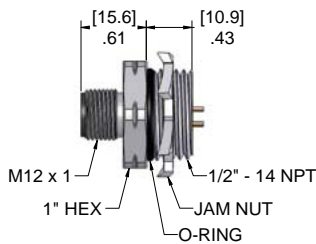
Micro-DC (M12) Series Receptacles

# of Poles	Male Faceview	Rating	Wire AWG	1/2" - 14 NPT Threads		M20 x 1.5 Threads	
				Male Receptacles	Female Receptacles	Male Receptacles	Female Receptacles
2	 M12 x 1	300V 4A MAX	18 AWG MAX	MDC-2MR-2-SC	MDC-2FR-2-SC	MDC-2MR-M20-SC	MDC-2FR-M20-SC
3	 M12 x 1	300V 4A MAX	18 AWG MAX	MDC-3MR-2-SC	MDC-3FR-2-SC	MDC-3MR-M20-SC	MDC-3FR-M20-SC
4	 M12 x 1	300V 4A MAX	18 AWG MAX	MDC-4MR-2-SC	MDC-4FR-2-SC	MDC-4MR-M20-SC	MDC-4FR-M20-SC
5	 M12 x 1	300V 4A MAX	18 AWG MAX	MDC-5MR-2-SC	MDC-5FR-2-SC	MDC-5MR-M20-SC	MDC-5FR-M20-SC

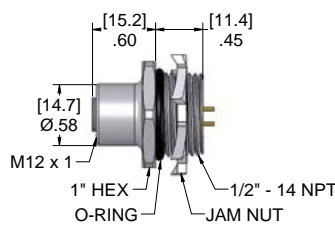
Other mounting threads are available, please consult the factory.

Stainless Steel is available for the 1/2" NPT version, add a "-SS" suffix (e.g. MDC-4MR-2-SC becomes MDC-4MR-2-SC-SS).

1/2"-14NPT Threads

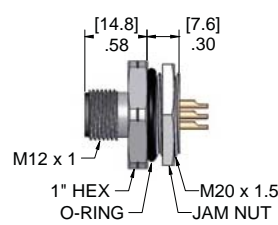


Male Receptacles

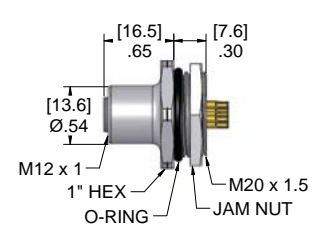


Female Receptacles

M20 Threads



Male Receptacles



Female Receptacles

Specifications:

Shell: 1/2"-14NPT: Clear Anodized Aluminum
M20 x 1.5: Nickel Plated Brass
Insulator: Polyamide
Contacts: Copper Alloy with Gold Plating

Lock Nut: Zinc Plated Steel
Jam Nut: Nickel Plated Brass
O-Ring: NBR
Temperature: -40°C to 105°C (-40°F to +221°F)



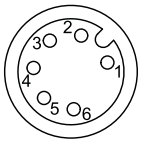
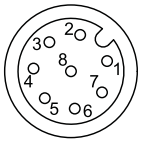
MDC (M12) Series Receptacles

6, 8 10 & 12 Conductor MDC Series Receptacles



Solder Cup Receptacles | 1/2"-14 NPT & Metric Threads | 60 Volt, 2 amps | IP67 Rating

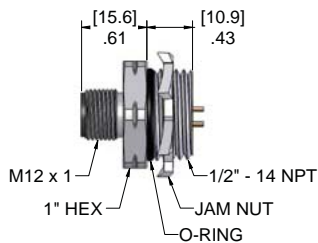


# of Poles	Male Faceview	Rating	Wire AWG	1/2" - 14 NPT Threads		M20 x 1.5 Threads	
				Male Receptacles	Female Receptacles	Male Receptacles	Female Receptacles
6	 M12 x 1	60V 2A MAX	24 AWG MAX	MDC-6MR-2-SC	MDC-6FR-2-SC	MDC-6MR-M20-SC	MDC-6FR-M20-SC
8	 M12 x 1	60V 2A MAX	24 AWG MAX	MDC-8MR-2-SC	MDC-8FR-2-SC	MDC-8MR-M20-SC	MDC-8FR-M20-SC

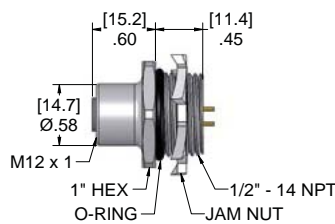
Other mounting threads are available, please consult the factory.

Stainless Steel is available for the 1/2" NPT version, add a "-SS" suffix (e.g. MDC-8MR-2-SC becomes MDC-8MR-2-SC-SS).

1/2"-14NPT Threads

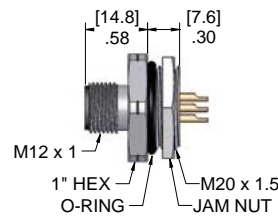


Male Receptacles

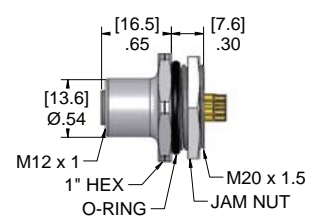


Female Receptacles

M20 Threads



Male Receptacles



Female Receptacles

Specifications:

Shell: 1/2"-14NPT: Clear Anodized Aluminum
M20 x 1.5: Nickel Plated Brass
Insulator: Polyamide
Contacts: Copper Alloy with Gold Plating

Lock Nut: Zinc Plated Steel
Jam Nut: Nickel Plated Brass
O-Ring: NBR
Temperature: -40°C to 105°C (-40°F to +221°F)

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Micro-DC (M12) Series Receptacles



MDC (M12) Series Receptacles

3, 4, 5, 6 & 8 Conductor MDC Series Solder Cup Inserts



Solder Cup Inserts | Male | 300V Max, 4A Max

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Micro-DC (M12) Series Receptacles

# of Poles	Male Faceview	Rating	Wire AWG	Part Number	Housing Style
3	<p>M12x1</p>	300V Max 4A Max	Up to 18 AWG	MDC-3MR-IN-SC	
4	<p>M12x1</p>	300V Max 4A Max	Up to 18 AWG	MDC-4MR-IN-SC	
5	<p>M12x1</p>	60V Max 2A Max	Up to 18 AWG	MDC-5MR-IN-SC	
6	<p>M12 x 1</p>	60V Max 2A Max	Up to 22 AWG	MDC-6MR-IN-SC	
8	<p>M12 x 1</p>	60V Max 2A Max	Up to 22 AWG	MDC-8MR-IN-SC	

Specifications:

- Insert: Black Polyamide
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Temperature: -40°C to 105°C (-40°F to +221°F)



MDC (M12) Series Receptacles

4 & 5 Conductor MDC Series Conduit Adapters



Conduit Adapters | 1 & 2 Port | 300 Volt, 4 amps | IP67 Rating



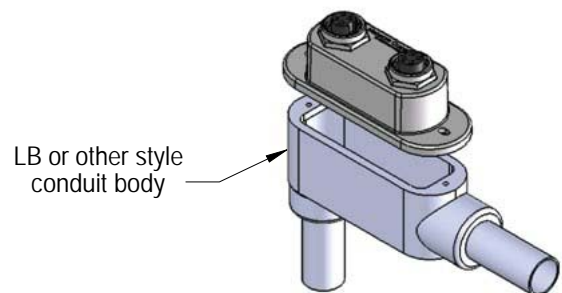
# of Poles	Faceview	Rating	# of Ports	Part Number	Body Style	Circuit
4	<p>1 = BROWN 2 = WHITE 3 = BLUE 4 = BLACK</p> <p>4 3 2 1</p> <p>1 = BROWN 2 = WHITE 3 = BLUE 4 = BLACK</p>	300V 4A	1 Port	MDC-1-4FR-CA		<p>J1</p>
			2 Port	MDC-2-4FR-CA		<p>S2</p> <p>S1</p>
5	<p>1 = BROWN 2 = WHITE 3 = BLUE 4 = BLACK 5 = GRAY</p> <p>1 2 3 4 5</p> <p>1 = BROWN 2 = WHITE 3 = BLUE 4 = BLACK 5 = GRAY</p>	300V 4A	1 Port	MDC-1-5FR-CA		<p>J1</p>
			2 Port	MDC-2-5FR-CA		<p>S2</p> <p>S1</p>

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Micro-DC (M12) Series Receptacles

Specifications:

Housing:	Glass Filled PBT
Recp. Shell:	Nickel Plated Brass
Insert:	Polyamide
Contacts:	Copper Alloy with Gold Plating
Gasket:	NBR
Temperature:	-40°C to 70°C (-40°F to +158°F)



Remove existing Conduit Body cover and replace with Mencom Conduit Adapter.

Works with all standard 3/4" NPT conduit bodies, including Form 8 and Mark 9 adapters. (screws are included with adapter)



MDC (M12) Series Accessories

MDC Series Jam & Lock Nuts



NPT, PG & Metric Threads

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Micro-DC (M12) Series Receptacles

Jam Nuts					
Style	Part #	Thread	A	Thickness	Material
	214M	1/4" NPT	17.3 mm	3.2 mm	Zinc Plated Steel
	207M	PG 7	15 mm	2.8mm	Nickel Plated Brass
	209M	PG 9	18 mm	3.0 mm	Nickel Plated Brass
	213M	PG 13.5	21 mm	3.0 mm	Nickel Plated Brass
	2M16M	M16 x 1.5	19 mm	2.8 mm	Nickel Plated Brass
	2M20M	M20 x 1.5	24 mm	3.0 mm	Nickel Plated Brass
Lock Nut					
	212M	1/2" NPT	28.5 mm	3.3 mm	Zinc Plated Steel



Euro-AC Series

MEC Series (M12), B-coded

Over-Molded Cables | Armored Cables | Receptacles | Field Wireables | Accessories

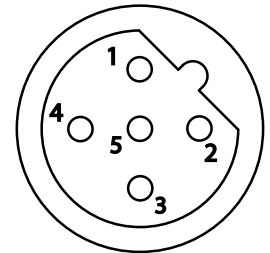
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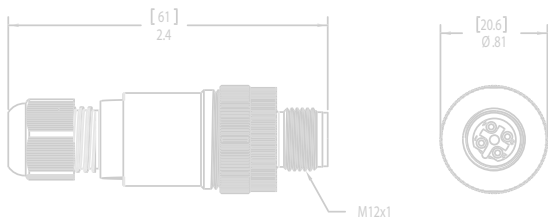
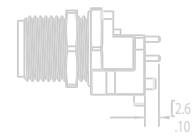
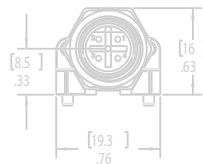
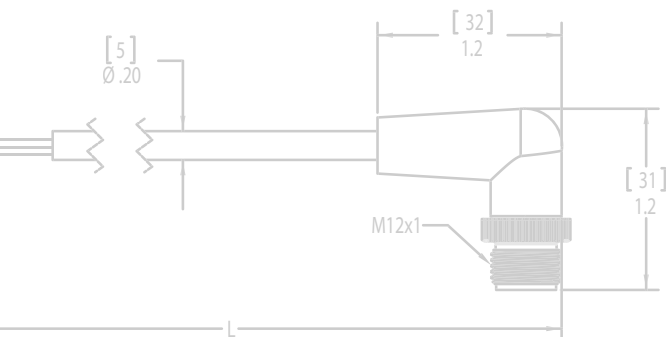
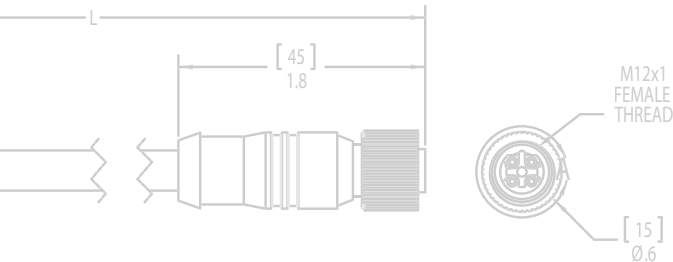
As with the Micro-DC(MDC) and Micro-AC(MAC) series, the Euro-AC (MEC) series connectors do not imply that they are only used in AC applications. MEC series uses the M12 mating thread like the MDC series, and they are also commonly used for coding purposes in conjunction with the MDC series. Made popular by the European market it has found its way into many industrial applications as well as some bus systems.

MEC : Euro-AC

The MEC series has a reversed single keyway known as B-Code. Using an MEC alongside other M12 threaded receptacles on the same panel will eliminate the possibilities of plugging the wrong cable into the wrong receptacle. Safely coding your connection without adding cost.



B-coded



EURO-AC (M12) Series

Contents

Cordsets	Part Number Matrix	I-3
	Straight	I-4 ~ I-5
	Right Angle	I-5
Field Wireable Plugs		I-6
Receptacles	Part Number Matrix	I-7
	Index	I-8 ~ I-9
	Front Mount	I-10
	Back Mount	I-11
	PCB Mount	I-12 ~ I-12
Solder Cup Inserts		I-14



Euro-AC (M12) Series Cordsets

MEC Series Cordset Part Number Matrix



Not all options available with all cordsets, please consult factory.

MEC - [] [] - [] - [] - []

Number of Conductors

- 3
- 4
- 5

Coupling Nut

- Blank = Nickel plated brass
- SS = Stainless Steel

Connector Configuration

- MP = Male Plug
- FP = Female Plug
- MFP = Male / Female Extension
- MFRP = Male Straight / Female Right Angle
- MRFP = Male Right Angle / Female Straight

R/A or Straight

- Blank = Straight *
- R = Right Angle **

* Unless the Connector Configuration is MFRP or MRFP
 ** If single ended cable, right angle connector to flying leads
 If double ended cable, right angle on both connectors

Length in Meters

- 1M
- 2M
- 4M
- 5M
- 6M
- 10M
- 15M

Other lengths are available by request.

Euro-AC (M12) Series Cordsets

3, 4 & 5 Conductor MEC Series Cordsets, 22AWG



Straight Male Cordsets | 300 Volt, 4 amps | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MEC-3MP-**	Gray PVC AWM 3 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC	<ol style="list-style-type: none"> 1. Brown 2. Blue 3. Not Used 4. Green/Yellow 5. Not Used 	<p>M12 x 1</p>
	MEC-4MP-**	Gray PVC AWM 4 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC	<ol style="list-style-type: none"> 1. Brown 2. Blue 3. Black 4. Green/Yellow 5. Not Used 	<p>M12 x 1</p>
	MEC-5MP-**	Gray PVC AWM 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC	<ol style="list-style-type: none"> 1. Brown 2. White 3. Blue 4. Black 5. Green/Yellow 	<p>M12 x 1</p>

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a “SS” suffix. (e.g. MEC-4MP-1M becomes MEC-4MP-1M-SS)



Euro-AC (M12) Series Cordsets

3, 4 & 5 Conductor MEC Series Cordsets, 22AWG



Straight/Right Angle Female Cordsets | 300 Volt, 4 amps | IP67 Rating



Straight Plugs					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MEC-3FP-**	Gray PVC AWM 3 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC	1. Brown 2. Blue 3. Not Used 4. Green/Yellow 5. Not Used	 M12 x 1
	MEC-4FP-**	Gray PVC AWM 4 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC	1. Brown 2. Blue 3. Black 4. Green/Yellow 5. Not Used	 M12 x 1
	MEC-5FP-**	Gray PVC AWM 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black 5. Green/Yellow	 M12 x 1
Right Angle Plugs					
	MEC-3FP-**-R	Gray PVC AWM 3 X 22 AWG 300V, 4A -40°C to +105°C 5mm OD	Industry Standard PVC	1. Brown 2. Blue 3. Not Used 4. Green/Yellow 5. Not Used	 M12 x 1
	MEC-4FP-**-R	Gray PVC AWM 4 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC	1. Brown 2. Blue 3. Black 4. Green/Yellow 5. Not Used	 M12 x 1
	MEC-5FP-**-R	Gray PVC AWM 5 X 22 AWG 300V, 4A -40°C to +105°C 5.8mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black 5. Green/Yellow	 M12 x 1

EURO-AC (M12) Series

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a “-SS” suffix. (e.g. MEC-4FP-1M becomes MEC-4FP-1M-SS)



Euro-AC (M12) Series Field Wireable Plugs

4 & 5 Conductor MEC Series Field Wireable Plugs, 18-24AWG



Field Wireable Plugs | PG 7 & 9 Threads | 50 Volt, 4 amps | IP67 Rating



# of Poles	Male Faceview	Wire AWG Rating	Cable O.D. Range	Male plugs		Female Plugs	
				Straight	Right Angle	Straight	Right Angle
4	 M12 x 1	18-24 AWG 50V 4A	3-6.5 mm	MEC-4MP-FW07	MEC-4MP-FW07-R	MEC-4FP-FW07	MEC-4FP-FW07-R
		18-24 AWG 50V 4A	4-8 mm	MEC-4MP-FW09	MEC-4MP-FW09-R	MEC-4FP-FW09	MEC-4FP-FW09-R
5	 M12 x 1	18-24 AWG 50V 4A	3-6.5 mm	MEC-5MP-FW07	MEC-5MP-FW07-R	MEC-5FP-FW07	MEC-5FP-FW07-R
		18-24 AWG 50V 4A	4-8 mm	MEC-5MP-FW09	MEC-5MP-FW09-R	MEC-5FP-FW09	MEC-5FP-FW09-R

These connectors are easily wired by inserting the individual wires into the screw terminal contacts.

The connectors are water tight to IP 67 and are fully mateable with other "EURO-AC" style connectors.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MEC-4MP-FW07 becomes MEC-4MP-FW07-SS)

EURO-AC (M12) Series

Male Field Wireable Plugs

Female Field Wireable Plugs



Male Straight



Male Right Angle



Female Straight



Female Right Angle

Specifications:

- Body: Black Polyamide
- Insulator: Black Polyamide
- Contacts: Copper Alloy with Gold Plating
- Coupling Nut: Nickel Plated Brass
- Seal: NBR
- Temperature: -25°C to +85°C (-13°F to +185°F)



Euro-AC (M12) Series Receptacles

MEC Series Receptacles Part Number Matrix



Not all options available with all receptacles, please consult factory.

MEC - - - - -

Style

Blank = No Ground Tab
M = Ground Tab

Number of Conductors

3
4
5

Connector Configuration

MR = Male Receptacle
FR = Female Receptacle

Mounting Style

Blank = No Wire
2 = Front Mount 1/2"-14 NPT
4 = Front Mount 1/4"-18 NPT
BM = Back Mount

R/A or Straight

Blank = Straight
R = Right Angle

Length in Meters

Blank = 1'

Termination Type

Blank = Pre-Wired
PCB = PCB Mount



Euro-AC (M12) Series Receptacles

MEC Series Receptacle Index



Front Mount | Back Mount | PCB Mount

EURO-AC (M12) Series

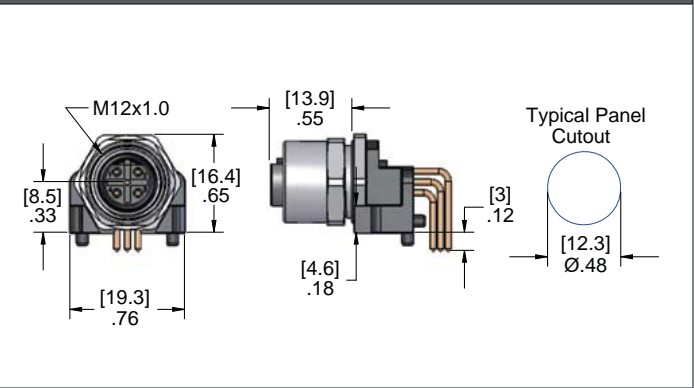
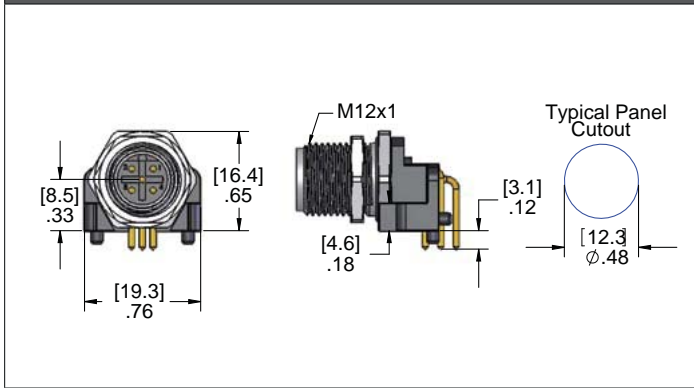
<p>Front Mount, Male, 1/2"-14NPT Page I-10</p>	<p>Front Mount, Female, 1/2"-14NPT Page I-10</p>
<p>Front Mount, Male, 1/4"-18NPT Page I-10</p>	<p>Front Mount, Female, 1/4"-18NPT Page I-10</p>
<p>Back Mount, Male, PG9 Thread Page I-11</p>	<p>Back Mount, Female, PG9 Thread Page I-11</p>
<p>PCB Mount, Male Page I-12</p> <p>Typical Panel Cutout</p>	<p>PCB Mount, Female Page I-13</p> <p>Typical Panel Cutout</p>

PCB Mount, Male, Right Angle

Page I-12

PCB Mount, Female, Right Angle

Page I-13





Euro-AC (M12) Series Receptacles

3, 4 & 5 Conductor MEC Series Receptacles, 18/22AWG



Front Mount Receptacles | 1/2"-14 NPT & 1/4"-18 NPT Threads | 300 Volt, 4 amps | IP67 Rating



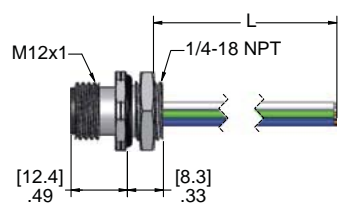
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	1/4"-18 NPT		1/2"-14 NPT	
					Male Receptacles	Female Receptacles	Male Receptacles	Female Receptacles
3	 M12 x 1	1. Brown 2. Blue 3. Not Used 4. Green/Yellow 5. Not Used	300V 4A	22 AWG	MEC-3MR-4	MEC-3FR-4	MEC-3MR-2	MEC-3FR-2
				18 AWG	MEC-3MR-4-18	MEC-3FR-4-18	MEC-3MR-2-18	MEC-3FR-2-18
4	 M12 x 1	1. Brown 2. Blue 3. Black 4. Green/Yellow 5. Not Used	300V 4A	22 AWG	MEC-4MR-4	MEC-4FR-4	MEC-4MR-2	MEC-4FR-2
				18 AWG	MEC-4MR-4-18	MEC-4FR-4-18	MEC-4MR-2-18	MEC-4FR-2-18
5	 M12 x 1	1. Brown 2. White 3. Blue 4. Black 5. Green/Yellow	300V 4A	22 AWG	MEC-5MR-4	MEC-5FR-4	MEC-5MR-2	MEC-5FR-2

EURO-AC (M12) Series

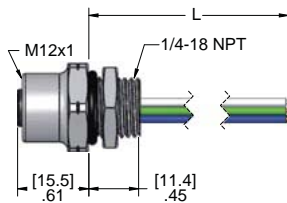
12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.
 Stainless Steel is available, add "-SS" to the part number (e.g. MEC-4MR-4-SS).
 For 1/2" receptacles with lengths of 15" or longer O-ring and lock nut are included.

1/4" - 18 NPT

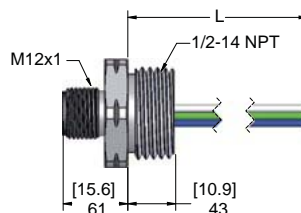
1/2" - 14 NPT



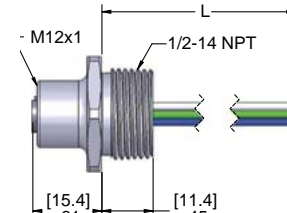
Male Receptacle



Female Receptacle



Male Receptacle



Female Receptacle

Specifications:

Shell: 1/2" NPT: Clear Anodized Aluminum
 1/4" NPT: Nickel Plated Brass
 Insulator: Polyamide
 Wire: 18, 22 AWG UL Style 1007/1569, 300V
 Contacts: Copper Alloy with Gold Plating

O-Ring: NBR
 Lock Nut: Zinc Plated Steel
 Jam Nut: Nickel Plated Brass
 Temperature: -40°C to +105°C (-40°F to +221°F)



Euro-AC (M12) Series Receptacles

4 & 5 Conductor MEC Series Receptacles, 22AWG



Back Mount Receptacles | 300 Volt, 4 amps | IP67 Rating



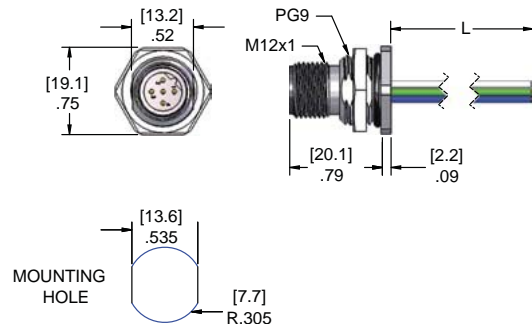
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
4	<p>M12 x 1</p>	1. Brown 2. Blue 3. Black 4. Green/Yellow 5. Not Used	300V 4A	22 AWG	MEC-4MR-BM	MEC-4FR-BM
				18 AWG	MEC-4MR-BM-18	MEC-4FR-BM-18
5	<p>M12 x 1</p>	1. Brown 2. White 3. Blue 4. Black 5. Green/Yellow	300V 4A	22 AWG	MEC-5MR-BM	MEC-5FR-BM
				18 AWG	MEC-5MR-BM-18	MEC-5FR-BM-18

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers.

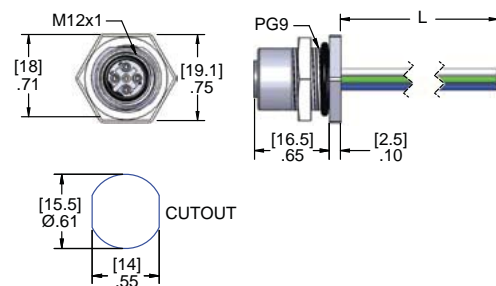
Specifications:

- Shell: Nickel Plated Brass
- Insulator: Polyamide
- Wire: 22 AWG: 300V, UL Style 1007/1569
- Contacts: Copper Alloy with Gold Plating
- Jam Nut: Nickel Plated Brass
- O-Ring: NBR
- Temperature: -40°C to +105°C (-40°F to +221°F)

Male Receptacle



Female Receptacle



EURO-AC (M12) Series



Euro-AC (M12) Series Receptacles

4 & 5 Conductor MEC Series Receptacles

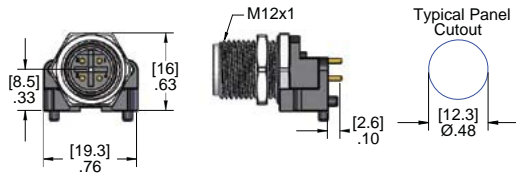


Male PCB Mount Receptacles | 150V, 4A | 300V, 4A | IP67 Rating

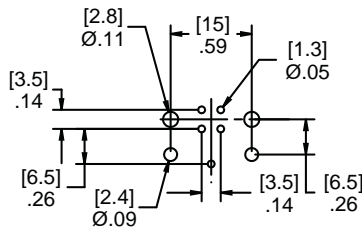
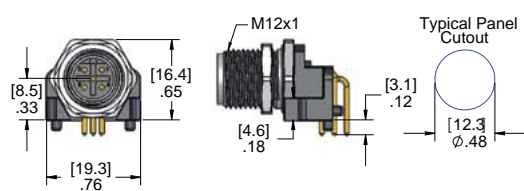


# of Poles	Male Faceview	Rating	Style	Straight	Right Angle
4	<p>M12 x 1</p>	300V 4A	PCB Mount	MEC-4MR-PCB	MEC-4MR-PCB-R
			PCB Mount w/ Ground Tab	MECM-4MR-PCB	MECM-4MR-PCB-R
5	<p>M12 x 1</p>	150V 4A	PCB Mount	MEC-5MR-PCB	MEC-5MR-PCB-R
			PCB Mount w/ Ground Tab	MECM-5MR-PCB	MECM-5MR-PCB-R

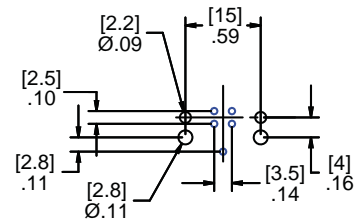
Male Straight



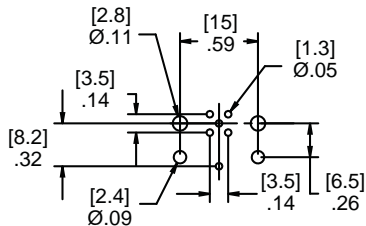
Male Right Angle



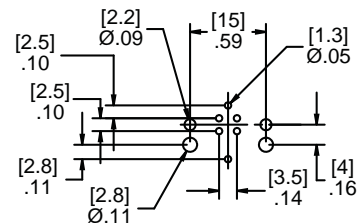
4 Pole Male Straight Layout



4 Pole Male Right angle Layout



5 Pole Male Straight Layout



5 Pole Male Right Angle Layout

Specifications:

Body: Polyamide
 Contacts: Copper Alloy with Gold Plating
 Shell: Nickel Plated Brass

O-Ring: NBR
 Jam Nut: Nickel Plated Brass
 Temperature: -40°C to 105°C (-40°F to +221°F)



Euro-AC (M12) Series Receptacles

4 & 5 Conductor MEC Series Receptacles

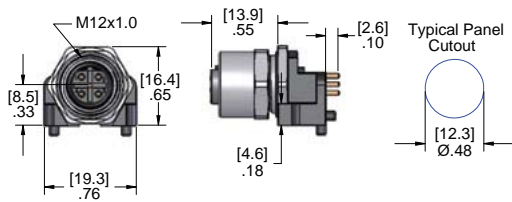


Female PCB Mount Receptacles | 150V, 4A | 300V, 4A | IP67 Rating

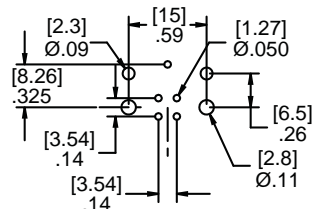
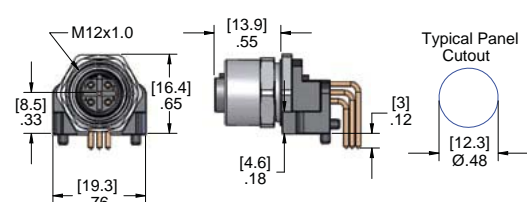


# of Poles	Female Faceview	Rating	Style	Straight	Right Angle
4	<p>M12 x 1</p>	300V 4A	PCB Mount	MEC-4FR-PCB	MEC-4FR-PCB-R
			PCB Mount w/ Ground Tab	MECM-4FR-PCB	MECM-4FR-PCB-R
5	<p>M12 x 1</p>	150V 4A	PCB Mount	MEC-5FR-PCB	MEC-5FR-PCB-R
			PCB Mount w/ Ground Tab	MECM-5FR-PCB	MECM-5FR-PCB-R

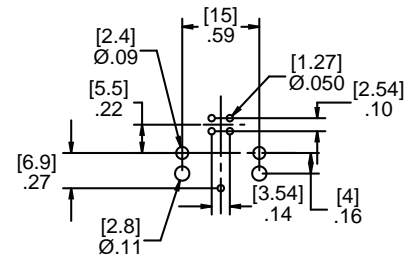
Female Straight



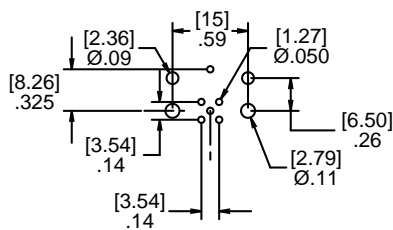
Female Right Angle



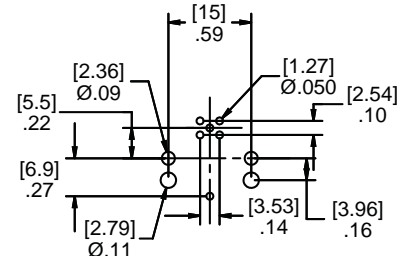
4 Pole Female Straight Layout



4 Pole Female Right angle Layout



5 Pole Female Straight Layout



5 Pole Female Right angle Layout

Specifications:

Body: Polyamide
 Contacts: Copper Alloy with Gold Plating
 Shell: Nickel Plated Brass

O-Ring: NBR
 Jam Nut: Nickel Plated Brass
 Temperature: -40°C to 105°C (-40°F to +221°F)



Euro-AC (M12) Series Receptacles

4 & 5 Conductor MEC Series Solder Cup Inserts



Solder Cup Inserts | Male | 300V Max, 4A Max

# of Poles	Male Faceview	Rating	Wire AWG	Part Number	Housing Style
4	<p>M12 x 1</p>	300V Max 4A Max	Up to 18 AWG	MEC-4MR-IN-SC	
5	<p>M12 x 1</p>	60V Max 2A Max	Up to 18 AWG	MEC-5MR-IN-SC	

Specifications:

Insert: Black Polyamide
 Contacts: Copper Alloy with Gold Plating
 O-Ring: NBR
 Temperature: -40°C to 105°C (-40°F to +221°F)

EURO-AC (M12) Series



Notes:



Notes:

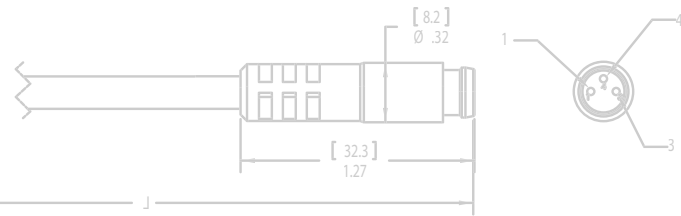
I

EURO-AC (M12) Series

The M8 (NAN-series) is often referred to as a “pico” or “nano” connector. The small size makes it the perfect choice when space is limited. The M8 is commonly used with many of the miniature proximity, hall-effect and photo-electric sensors. The NAN series is available in 2 different versions; snap-on (available in 3, 4 and 6 pole) and thread-on (available in 3 and 4 pole). Male connectors in this series can be used to mate with both the snap-on and threaded female connectors. The male has threads and the small snap ring. Both snap-on and thread-on versions have the same water tight specifications (IP67) as well as the same voltage and amperage rating. It is simply customer preference as to which one suits their needs.

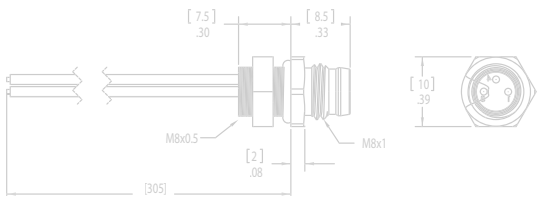
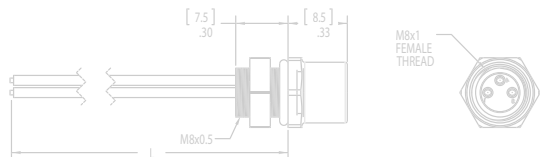
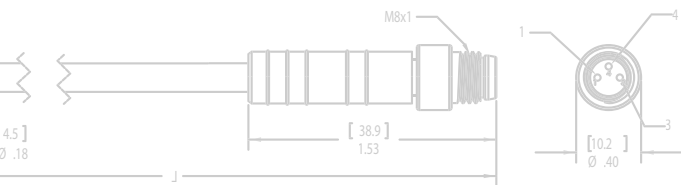
Snap-on Version

A snap-on connector is simply pushed onto the mating part and an audible snap can be heard as they lock together.



Thread-on Version

The thread-on is similar to the MIN-Series and Micro series in that there is a threaded coupling nut which is tightened when mating.



Contents

Cordsets	Part Number Matrix		J-3	
	Snap-On	Straight	J-4 ~ J-5	
		Right Angle	J-5	
		With LEDs	J-9	
	Thread-On	Straight	J-6 ~ J-7	
		Right Angle	J-7	
		Double Ended	J-8	
		With LEDs	J-9	
	Field Wireable Plugs			J-10 ~ J-11
	Cordset Accessories			
	Raw Cables		J-12	
Receptacles	Part Number Matrix		J-13	
	Index		J-14	
	Front Mount		J-15	
	Back Mount		J-15	
	PCB Back Mount		J-16	



NAN (M8) Series Cordsets

NAN Series Cordset Part Number Matrix



Not all options available with all cordsets, please consult factory.

NAN - - - - -

Cable Type

Blank = PVC
P = PUR

Connection Style

Blank = Snap-On
T = Thread-On

Number of Conductors

3
4
6

Connector Configuration

MP = Male Plug
FP = Female Plug
MFP = Male / Female Extension
MFRP = Male Straight / Female Right Angle
MRFP = Male Right Angle / Female Straight

Transistor Type

PNP
NPN

R/A or Straight

Blank = Straight *
R = Right Angle **

* Unless the Connector Configuration is MFRP or MRFP
** If single ended cable, right angle connector to flying leads
If double ended cable, right angle on both connectors

Length in Meters

1M
2M
4M
5M
6M
10M
15M

Other lengths are available by request.

J

NAN (M8) Series

NAN (M8) Series Snap-On Cordsets

3 & 4 Conductor NAN Series Cordsets, 24AWG



Straight/Right Angle Male Cordsets | Snap-On Style | 60 Volt, 3 amps | IP67 Rating



Snap-On Style: Male Straight Plugs					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	NAN-3MP-**	Black PVC AWM 3 X 24 AWG 60V, 3A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1. Brown 2. Not Used 3. Blue 4. Black	
	NANP-3MP-**	Black PUR AWM 3 X 24 AWG 60V, 3A -40°C to +80°C 4.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	NAN-4MP-**	Black PVC AWM 4 X 24 AWG 60V, 3A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black	
	NANP-4MP-**	Black PUR AWM 4 X 24 AWG 60V, 3A -40°C to +80°C 4.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

J
NAN (M8) Series

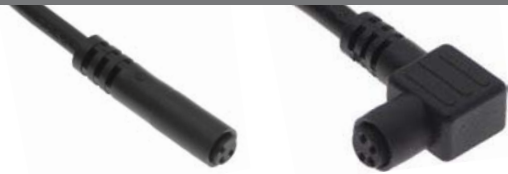


NAN (M8) Series Snap-On Cordsets

3 & 4 Conductor NAN Series Cordsets, 24AWG



Straight/Right Angle Female Cordsets | Snap-On Style | 60 Volt, 3 amps | IP67 Rating



Snap-On Style: Female Straight Plugs					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	NAN-3FP-**	Black PVC AWM 3 X 24 AWG 60V, 3A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1. Brown 2. Not Used 3. Blue 4. Black	
	NANP-3FP-**	Black PUR AWM 3 X 24 AWG 60V, 3A -40°C to +80°C 4.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	NAN-4FP-**	Black PVC AWM 4 X 24 AWG 60V, 3A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black	
	NANP-4FP-**	Black PUR AWM 4 X 24 AWG 60V, 3A -40°C to +80°C 4.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
Snap-On Style: Female Right Angle Plugs					
	NAN-3FP-**-R	Black PVC AWM 3 X 24 AWG 60V, 3A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1. Brown 2. Not Used 3. Blue 4. Black	
	NANP-3FP-**-R	Black PUR AWM 3 X 24 AWG 60V, 3A -40°C to +80°C 4.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	NAN-4FP-**-R	Black PVC AWM 4 X 24 AWG 60V, 3A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black	
	NANP-4FP-**-R	Black PUR AWM 4 X 24 AWG 60V, 3A -40°C to +80°C 4.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

J
NAN (M8) Series

NAN (M8) Series Thread-On Cordsets

3, 4 & 6 Conductor NAN Series Cordsets, 24/26AWG



Straight/Right Angle Male Cordsets | Thread-On Style | 60 Volt, 3 amps | IP67 Rating



Thread-On Style: Male Straight Plugs

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	NAN-T-3MP-**	Black PVC AWM 3 X 24 AWG 60V, 3A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1. Brown 2. Not Used 3. Blue 4. Black	 M8 x 1
	NANP-T-3MP-**	Black PUR AWM 3 X 24 AWG 60V, 3A -40°C to +80°C 4.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	NAN-T-4MP-**	Black PVC AWM 4 X 24 AWG 60V, 3A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black	 M8 x 1
	NANP-T-4MP-**	Black PUR AWM 4 X 24 AWG 60V, 3A -40°C to +80°C 4.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	NAN-T-6MP-**	Black PVC AWM 6 X 26 AWG 60V, 3A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black 5. Gray 6. Pink	 M8 x 1

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. NAN-T-4MP-1M becomes NAN-T-4MP-1M-SS)

J
NAN (M8) Series

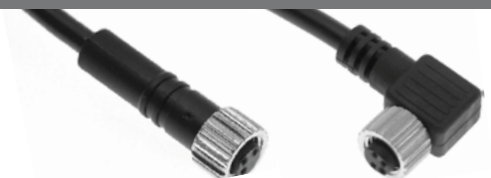


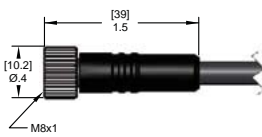
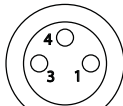
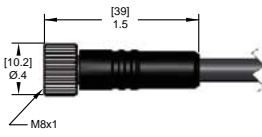
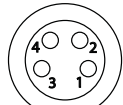
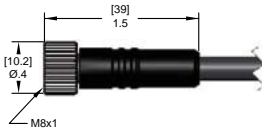
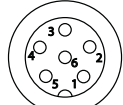
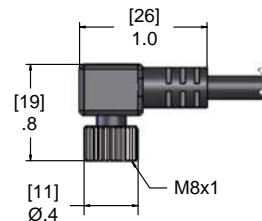
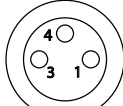
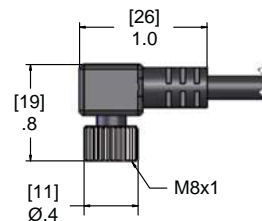
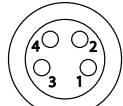
NAN (M8) Series Thread-On Cordsets

3, 4 & 6 Conductor NAN Series Cordsets, 24/26AWG



Straight/ Right Angle Female Cordsets | Thread-On Style | 60 Volt, 3 amps | IP67 Rating



Thread-On Style: Female Straight Plugs					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	NAN-T-3FP-**	Black PVC AWM 3 X 24 AWG 60V, 3A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1. Brown 2. Not Used 3. Blue 4. Black	 M8 x 1
	NANP-T-3FP-**	Black PUR AWM 3 X 24 AWG 60V, 3A -40°C to +80°C 4.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	NAN-T-4FP-**	Black PVC AWM 4 X 24 AWG 60V, 3A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black	 M8 x 1
	NANP-T-4FP-**	Black PUR AWM 4 X 24 AWG 60V, 3A -40°C to +80°C 4.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	NAN-T-6FP-**	Black PVC AWM 6 X 26 AWG 60V, 3A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black 5. Gray 6. Pink	 M8 x 1
Thread-On Style: Female Right Angle Plugs					
	NAN-T-3FP-**-R	Black PVC AWM 3 X 24 AWG 60V, 3A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1. Brown 2. Not Used 3. Blue 4. Black	 M8 x 1
	NANP-T-3FP-**-R	Black PUR AWM 3 X 24 AWG 60V, 3A -40°C to +80°C 4.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
	NAN-T-4FP-**-R	Black PVC AWM 4 X 24 AWG 60V, 3A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black	 M8 x 1
	NANP-T-4FP-**-R	Black PUR AWM 4 X 24 AWG 60V, 3A -40°C to +80°C 4.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. NAN-T-4FP-1M becomes NAN-T-4FP-1M-SS)

J
NAN (M8) Series



NAN (M8) Series Thread-On Cordsets

3, 4 & 6 Conductor NAN Series Cordsets, 24/26AWG



Double Ended Cordsets | Thread-On Style | 60 Volt, 3 amps | IP67 Rating

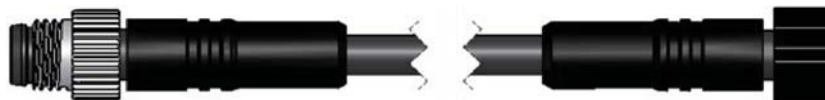


Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
<p>M8 x 1</p>	NAN-T-3MFP-**	Black PVC AWM 3 X 24 AWG 60V, 3A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1. Brown 2. Not Used 3. Blue 4. Black	<p>M8 x 1</p>
	NANP-T-3MFP-**	Black PUR AWM 3 X 24 AWG 60V, 3A -40°C to +80°C 4.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
<p>M8 x 1</p>	NAN-T-4MFP-**	Black PVC AWM 4 X 24 AWG 60V, 3A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black	<p>M8 x 1</p>
	NANP-T-4MFP-**	Black PUR AWM 4 X 24 AWG 60V, 3A -40°C to +80°C 4.5mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR		
<p>M8 x 1</p>	NAN-T-6MFP-**	Black PVC AWM 6 X 26 AWG 60V, 3A -40°C to +105°C 4.5mm OD	Industry Standard PVC	1. Brown 2. White 3. Blue 4. Black 5. Gray 6. Pink	<p>M8 x 1</p>

J
NAN (M8) Series

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. NAN-T-4MFP-1M becomes NAN-T-4MFP-1M-SS)



Male - Female Extension Cable



NAN (M8) Series Cordsets with LEDs

3 Conductor NAN Series Cordsets, 24AWG



Right Angle Female Connectors | Snap-On/Thread-On Style | 30 VDC, 4 amps | IP67 Rating

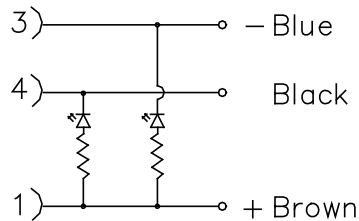


Snap-On Style					
Connector Body Style	Part Number	Cables	Features	Color Code	Female Faceview
	NAN-3FP-**-R-PNP	Black PVC AWM 3 X 24 AWG 30 VDC, 3A -40°C to +105°C 4.5mm OD	Industry Standard PVC LED	1. Brown 2. Not Used 3. Blue 4. Black	
	NAN-3FP-**-R-NPN				
Thread-On Style					
	NAN-T-3FP-**-R-PNP	Yellow PVC AWM 3 X 24 AWG 30 VDC, 3A -40°C to +105°C 4.5mm OD	Industry Standard PVC LED	1. Brown 2. Not Used 3. Blue 4. Black	 M8 x 1
	NAN-T-3FP-**-R-NPN				

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

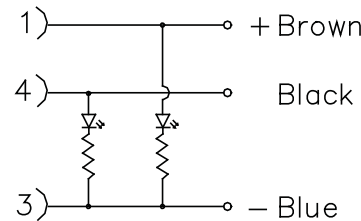
Snap-On

NPN – Normally Open



Thread-On

PNP – Normally Open



J
NAN (M8) Series



NAN (M8) Series Field Wireable Plugs

3 & 4 Conductor NAN Series Field Wireable Plugs, 22-24AWG



Field Wireable Plugs | Axial Piercing | 60V, 3 amps | IP67 Rating



# of Poles	Male Faceview	Wire AWG Rating	Cable O.D. Range	Male Plugs		Female Plugs	
				Straight	Right Angle	Straight	Right Angle
3	 M8 x 1	18-24 AWG 60V 3A	4-5 mm	NAN-T-3MP-FW	NAN-T-3MP-FW-R	NAN-T-3FP-FW	NAN-T-3FP-FW-R
4	 M8 x 1	18-24 AWG 60V 3A	4-5 mm	NAN-T-4MP-FW	NAN-T-4MP-FW-R	NAN-T-4FP-FW	NAN-T-4FP-FW-R

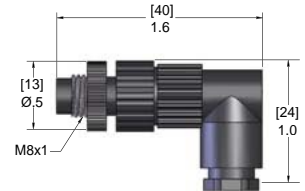
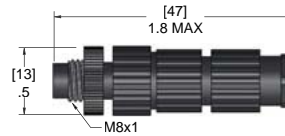
J
NAN (M8) Series

Specifications:

Body: Oil Resistant Black PVC
 Insulator: Polyamide
 Contacts: Copper Alloy with Gold Plating
 O-Rings: NBR
 Coupling Nut: Nickel Plated ZnAl
 Grommet: NBR
 Connection: Axial Piercing
 Temperature: -25°C to +90°C (-13°F to +194°F)

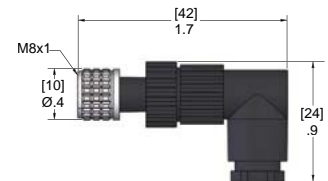
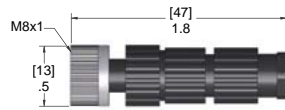
Straight

Right Angle



Male Plug

Male Plug



Female Plug

Female Plug



NAN (M8) Series Field Wireable Plugs

3 & 4 Conductor NAN Series Field Wireable Plugs, 22-24AWG



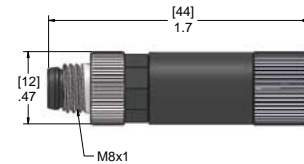
Field Wireable Plugs | Screw Terminals | 30V, 3 amps | IP67 Rating



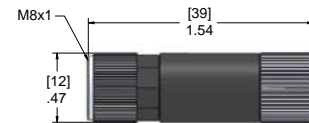
Male Faceview	# of Poles	Wire AWG Rating	Cable O.D. Range	Male Plugs	Female Plugs
<p>M8 x 1</p>	3	20-26 AWG 30V 3A	3-5 mm	NAN-T-3MP-FW-ST	NAN-T-3FP-FW-ST
<p>M8 x 1</p>	4	20-26 AWG 30V 3A	3-5 mm	NAN-T-4MP-FW-ST	NAN-T-4FP-FW-ST

Specifications:

- Body: Polyamide
- Insulator: Polyamide
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Coupling Nut: Nickel Plated Brass
- Grommet: NBR
- Connections: Screw Terminals
- Temperature: -40°C to +85°C (-40°F to +185°F)



Male Plug



Female Plug

J
NAN (M8) Series



NAN (M8) Series Accessories

3, 4 & 6 Conductor NAN Series Accessory Cables



100' Cables | Raw Cable Spools

# of Conductors	Color Code	Wire AWG	Voltage Rating	Features	Part Number	
					100' Cable	Spool
3	Brown Blue Black	24 AWG	300V	Black PVC AWM 4.5mm OD (0.18" OD)	NAN-3CBL-C	36B0001-*
		24 AWG	300V	Black PUR AWM 4.5mm OD (0.18" OD)	NANP-3CBL-C	36BP001-*
4	Brown White Blue Black	24 AWG	300V	Black PVC AWM 4.5mm OD (0.18" OD)	NAN-4CBL-C	36C0001-*
		24 AWG	300V	Black PUR AWM 4.5mm OD (0.18" OD)	NANP-4CBL-C	36CP001-*
6	Brown White Blue Black Gray Pink	26 AWG	300V	Black PVC AWM 4.5mm OD (0.18" OD)	NAN-6CBL-C	36EB001-*

* Standard raw spool lengths are 0250, 0500, 0750 & 1000 feet. Consult factory for other lengths.

Cable Construction subject to change without notice.

Length in feet. Standard cable length is 100 feet. Consult factory for other lengths.

J

NAN (M8) Series



NAN (M8) Series Receptacles

NAN Series Receptacle Part Number Matrix



Not all options available with all receptacles, please consult factory.

NAN - T - - - -

Number of Conductors

3
4

Connector Configuration

MR = Male Receptacle
FR = Female Receptacle

Coupling Nut

Blank = Aluminum or Nickel plated brass
SS = Stainless Steel

Mounting Type

2 = Front Mount 1/2"-14 NPT
M8 = Front Mount Metric 8 Threads
BM = Back Mount
BM-PCB = PCB Back Mount

Length in Meters

Blank = 1'

J

NAN (M8) Series

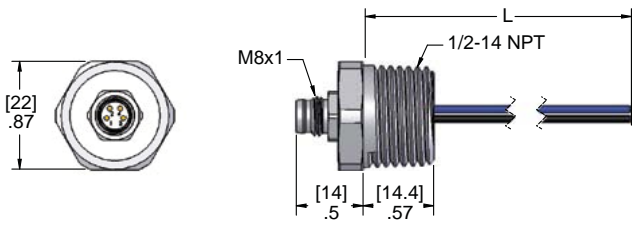
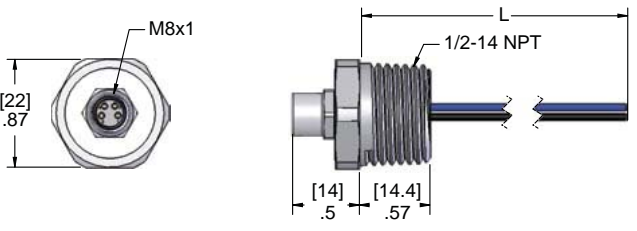
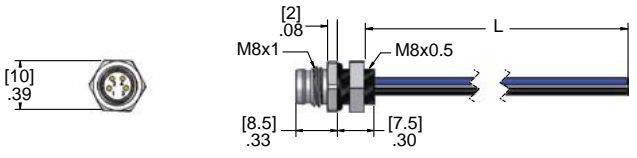
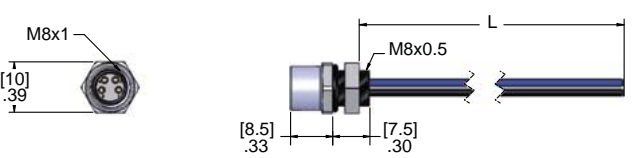
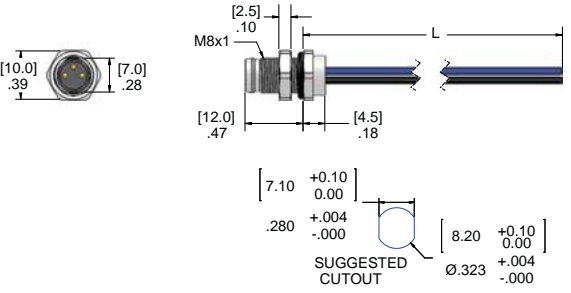
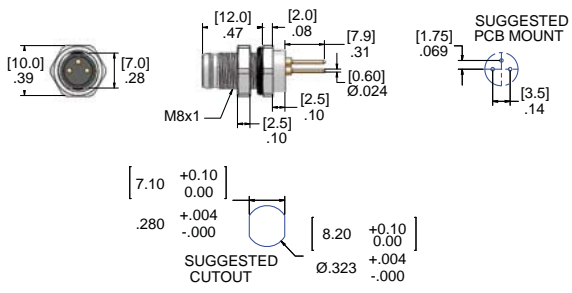


NAN (M8) Series Receptacles

NAN Series Receptacles Index



Front Mount | Back Mount | PCB Back Mount

Front Mount, Male, 1/2"-14 NPT Threads	Front Mount, Female, 1/2"-14 NPT Threads
<p>Page J-15</p> 	<p>Page J-15</p> 
Front Mount, Male, M8 Threads	Front Mount, Female, M8 Threads
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Back Mount, Male	PCB Back Mount, Mmale
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J
NAN (M8) Series



NAN (M8) Series Receptacles

3 & 4 Conductor NAN Series Receptacles, 24AWG

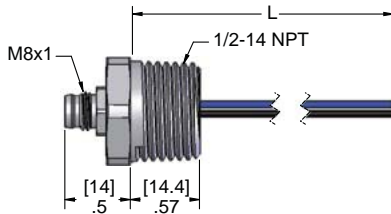


Front & Back Mount Receptacles | 1/2"-14 NPT & M8 Threads | 60V, 3A | IP67 Rating

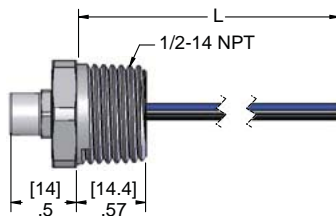
# of Poles	Male Faceview	Color Code	Wire AWG Rating	Thread Type	Male Receptacles	Female Receptacles
3	<p>M8 x 1</p>	1. Brown 2. Not Used 3. Blue 4. Black	24 AWG 60V 3A	1/2" NPT	NAN-T-3MR-2	NAN-T-3FR-2
				M8 x 0.5	NAN-T-3MR-M8	NAN-T-3FR-M8
				Back Mount	NAN-T-3MR-BM	N/A
4	<p>M8 x 1</p>	1. Brown 2. White 3. Blue 4. Black	24 AWG 60V 3A	1/2" NPT	NAN-T-4MR-2	NAN-T-4FR-2
				M8 x 0.5	NAN-T-4MR-M8	NAN-T-4FR-M8
				Back Mount	NAN-T-4MR-BM	N/A

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers. For 1/2" receptacles with lengths of 15" or longer O-ring and lock nut are included.

1/2" NPT Threads

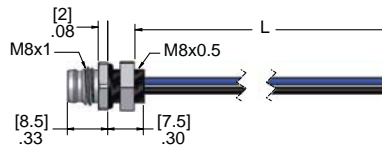


Male Receptacle

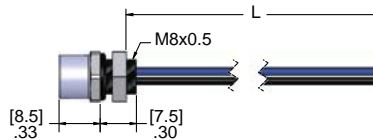


Female Receptacle

M8 Threads

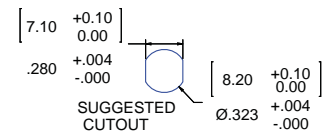
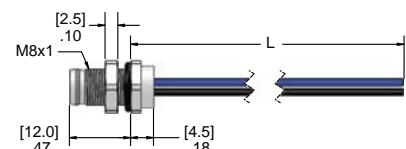


Male Receptacle



Female Receptacle

Back Mount



Male Receptacle

Specifications:

- Shell: Nickel Plated Brass
- Insulator: Polyamide
- Contacts: Copper Alloy with Gold Plating
- Wires: 24 AWG
- O-Ring: NBR
- Lock Nut: Zinc Plated Steel
- Jam Nut: Nickel Plated Brass
- Temperature: -25°C to +90°C (-13°F to +194°F)

J

NAN (M8) Series



NAN (M8) Series Receptacles

3 & 4 Conductor NAN Series Receptacles

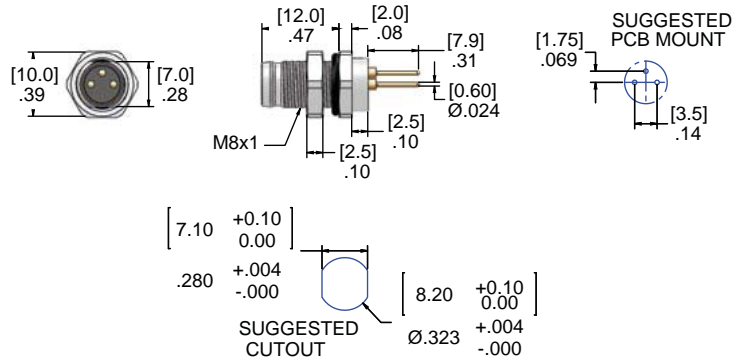


Back Mount PCB Receptacles | 60 Volt, 3 amps | IP67 Rating

# of Poles	Male Faceview	Rating	Male Receptacles
3	<p>M8 x 1</p>	60V 3A	NAN-T-3MR-BM-PCB
4	<p>M8 x 1</p>	60V 3A	NAN-T-4MR-BM-PCB

Specifications:

Shell: Nickel Plated Brass
 Insulator: Polyamide
 Contacts: Copper Alloy with Gold Plating
 Jam Nut: Nickel Plated Brass
 O-Ring: NBR
 Temperature: -40°C to 105°C (-40°F to +221°F)



J
NAN (M8) Series



DeviceNet

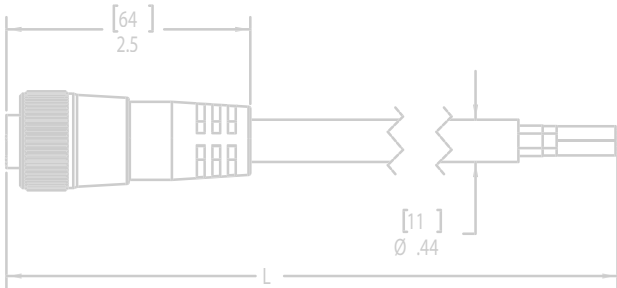
MIN(7/8"-16UN) & MDC(M12x1) Series

Over-Molded Cordsets | Receptacles | Accessories | Junction Blocks

UL File #:
E149111

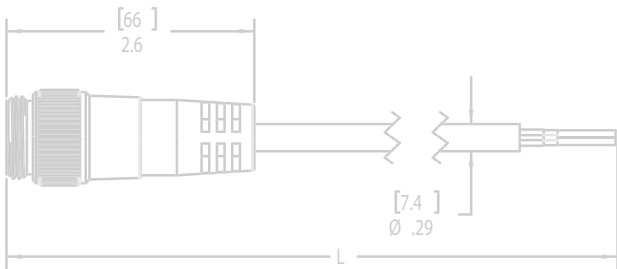


DeviceNet is a popular ring and drop system transmitting power and signal. The idea is that the information flows around the entire machine via the trunk line and all of the sensors (proxes, photos, etc.) and actuators (valves, cylinders, etc.) come off of the trunk line via drops.



Trunk Line

The DeviceNet bus system is like an expressway going around a city. The expressway is the trunk line. The trunk line is a MIN-5MFP cable that has a special DeviceNet (Thick) cable.



Drops

The exits are T connectors (a connector in the shape of a T that has 2 female connectors and one male). The exits lead to side streets that are the drops. The drops are either a 5 Pin MIN to an MDC, or, it is a 5 pin MIN to 5 pin MIN DeviceNet (Thin) cable.



K

DeviceNet

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		PCB Mount		K-18
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Junction Blocks	4 Port		K-20	
	6 Port		K-21	
	8 Port		K-22	
	10 Port		K-23	
	12 Port		K-24	



DeviceNet Series Cordsets

DeviceNet Series Cordset Part Number Matrix



Not all options available with all cordsets, please consult factory.



Cable Type

- MINDT = MIN Trunk Cable (7/8"-16UN)
- MINDD = MIN Drop Cable (7/8"-16UN)
- MINDCDD = MIN to MDC Extension
- MDCDD = MDC Drop Cable (M12 x 1)
- MDCUT = MDC Ultra Thin Cable (M12 x 1)

Coupling Nut

- Blank = Aluminum or Nickel Plated Brass
- SS = Stainless Steel

Connector Configuration

- FP = Female Plug
- MP = Male Plug
- MFP = Male / Female Extension

R/A or Straight

- Blank = Straight
- R = Right Angle**

** If single ended cable, right angle connector to flying leads
 If double ended cable, right angle on both connectors

Length in Meters

- 1M
- 2M
- 4M
- 5M
- 6M
- 10M
- 15M

Other lengths are available by request.

K
DeviceNet



DeviceNet Series MIN/MDC Cordsets

5 Conductor DeviceNet Series Cordsets, 15/18AWG & 22/24AWG



Straight Male Cordsets | 600 Volt, 8 amps | 300 Volt, 4 amps | IP67 Rating



MIN Trunk Cordsets - Thick Cable					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MINDT-5MP-**	Gray PVC Trunk Cable AWM With Braided Shield 2 X 15 AWG 2 X 18 AWG 1 x 18 AWG (Drain) 600V, 8A -40°C to +80°C 11.2mm OD	Industry Standard PVC Braided Shield	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	 7/8"-16UN2
MIN & MDC Drop Cordsets - Thin Cable					
	MINDD-5MP-**	Gray PVC Drop Cable AWM With Braided Shield 2 X 22 AWG 2 X 24 AWG 1 x 22 AWG (Drain) 300V, 4A -40°C to +80°C 7.4mm OD	Industry Standard PVC Braided Shield	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	 7/8"-16UN2
	MDCDD-5MP-**	Gray PVC Drop Cable AWM With Braided Shield 2 X 22 AWG 2 X 24 AWG 1 x 22 AWG (Drain) 300V, 4A -40°C to +80°C 7.4mm OD	Industry Standard PVC Braided Shield	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	 M12 x 1
	MDCUT-5MP-**	Gray PVC Drop Cable AWM With Foil Shield 2 X 24 AWG 2 X 24 AWG 1 x 24 AWG (Drain) 300V, 3A -40°C to +80°C 5.7mm OD	Industry Standard PVC Foil Shield	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	 M12 x 1

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MINDD-5MP-1M becomes MINDD-5MP-1M-SS)

K DeviceNet



DeviceNet Series MIN/MDC Cordsets

5 Conductor DeviceNet Series Cordsets, 15/18AWG & 22/24AWG



Straight Female Cordsets | 600 Volt, 8 amps | 300 Volt, 4 amps | IP67 Rating



MIN Trunk Cordsets - Thick Cable					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MINDT-5FP-**	Gray PVC Trunk Cable AWM With Braided Shield 2 X 15 AWG 2 X 18 AWG 1 x 18 AWG (Drain) 600V, 8A -40°C to +80°C 11.2mm OD	Industry Standard PVC Braided Shield	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	 7/8"-16UN2
MIN & MDC Drop Cordsets - Thin Cable					
	MINDD-5FP-**	Gray PVC Drop Cable AWM With Braided Shield 2 X 22 AWG 2 X 24 AWG 1 x 22 AWG (Drain) 300V, 4A -40°C to +80°C 7.4mm OD	Industry Standard PVC Braided Shield	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	 7/8"-16UN2
	MDCDD-5FP-**	Gray PVC Drop Cable AWM With Braided Shield 2 X 22 AWG 2 X 24 AWG 1 x 22 AWG (Drain) 300V, 4A -40°C to +80°C 7.4mm OD	Industry Standard PVC Braided Shield	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	 M12 x 1
	MDCUT-5FP-**	Gray PVC Drop Cable AWM With Foil Shield 2 X 24 AWG 2 X 24 AWG 1 x 24 AWG (Drain) 300V, 3A -40°C to +80°C 5.7mm OD	Industry Standard PVC Foil Shield	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	 M12 x 1

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MINDD-5FP-1M becomes MINDD-5FP-1M-SS)

K
DeviceNet



DeviceNet Series MIN Cordsets

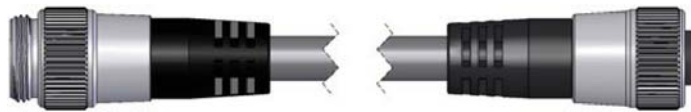
5 Conductor DeviceNet Series Cordsets, 15/18AWG



Double Ended Cordsets | 600 Volt, 8 amps | 300 Volt, 4 amps | IP67 Rating



MIN Trunk Extension - Thick Cable					
Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
<p>7/8"-16UN2</p>	MINDT-5MFP-**-	Gray PVC Trunk Cable AWM With Braided Shield 2 X 15 AWG 2 X 18 AWG 1 x 18 AWG (Drain) 600V, 8A -40°C to +80°C 11.2mm OD	Industry Standard PVC MIN to MIN Braided Shield	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	<p>7/8"-16UN2</p>
MIN Drop Extension - Thin Cable					
<p>7/8"-16UN2</p>	MINDD-5MFP-**-	Gray PVC Drop Cable AWM With Braided Shield 2 X 22 AWG 2 X 24 AWG 1 x 22 AWG (Drain) 300V, 4A -40°C to +80°C 7.4mm OD	Industry Standard PVC MIN to MIN Braided Shield	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	<p>7/8"-16UN2</p>



Male(Male Thread) MIN to Female MIN Extension

MIN Male to MDC Female Extension - Thin Cable					
Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
<p>7/8"-16UN2</p>	MINDCDD-5MFP-**-	Gray PVC Drop Cable AWM With Braided Shield 2 X 22 AWG 2 X 24 AWG 1 x 22 AWG (Drain) 300V, 4A -40°C to +80°C 7.4mm OD	Industry Standard PVC MIN to MDC Braided Shield	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	<p>M12 x 1</p>

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MINDCDD-5MFP-1M becomes MINDCDD-5MFP-1M-SS)



Male MIN to Female MDC Extension

K DeviceNet

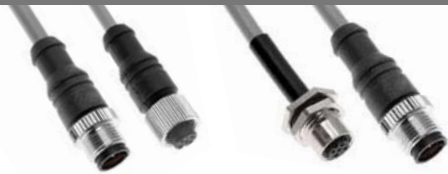


DeviceNet Series MDC Cordsets

5 Conductor DeviceNet Series Cordsets, 22/24AWG



Double Ended Cordsets | 300 Volt, 4 amps | IP67 Rating



MDC Male to MDC Female Extension - Thin Cable					
Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
<p>M12 x 1</p>	MDCDD-5MFP-**	Gray PVC Drop Cable AWM With Braided Shield 2 X 22 AWG 2 X 24 AWG 1 x 22 AWG (Drain) 300V, 4A -40°C to +80°C 7.4mm OD	Industry Standard PVC MDC to MDC Braided Shield	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	<p>M12 x 1</p>
MDC Male to MDC Female Extension - Ultra Thin Cable					
<p>M12 x 1</p>	MDCUT-5MFP-**	Gray PVC Drop Cable AWM With Foil Shield 2 X 24 AWG 2 X 24 AWG 1 x 24 AWG (Drain) 300V, 3A -40°C to +80°C 5.7mm OD	Industry Standard PVC Foil Shield	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	<p>M12 x 1</p>

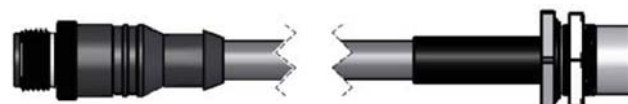


Male MDC to Female MDC Extension

MDC Male to MDC Female Back Mount Receptacles Extension - Thin Cable					
Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
<p>M12 x 1</p>	MDCDD-5FR-5MP-**	Gray PVC Drop Cable AWM With Braided Shield 2 X 22 AWG 2 X 24 AWG 1 x 22 AWG (Drain) 300V, 4A -40°C to +80°C 7.4mm OD	Industry Standard PVC Male Plug to Back Mount Female Receptacles Braided Shield	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	<p>M12 x 1</p>

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a “-SS” suffix. (e.g. MDCDD-5MFP-1M becomes MDCDD-5MFP-1M-SS)



Male MDC to Female MDC Back Mount Receptacle Extension



DeviceNet Series "T" Connectors

4 & 5 Conductor DeviceNet Series "T" Connectors



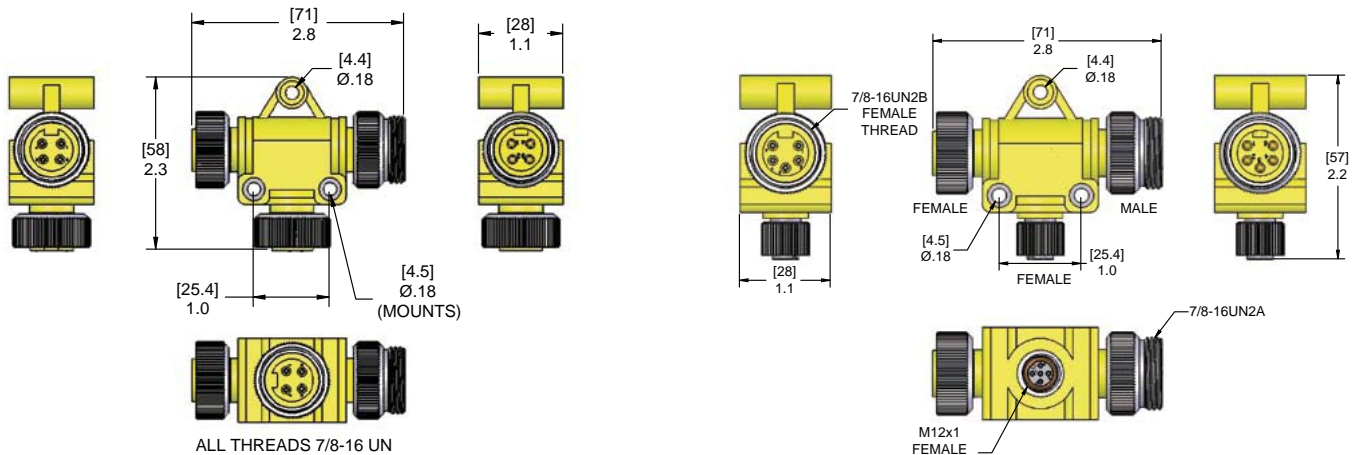
"T" Connectors | 300 Volt, 4/8/10 amps | IP67 Rating



MIN Male to Two MIN Female "T" Connectors					
# of Poles	Male Faceview	Rating	Part Number	Wiring	Female Faceview
4	 7/8"-16UN2	300V 10A	MIN-4MFF-T	1 to 1 to 1 2 to 2 to 2 3 to 3 to 3 4 to 4 to 4	 7/8"-16UN2
5	 7/8"-16UN2	300V 8A	MIN-5MFF-T	1 to 1 to 1 2 to 2 to 2 3 to 3 to 3 4 to 4 to 4 5 to 5 to 5	 7/8"-16UN2
MIN Male to MIN & MDC Female "T" Connectors					
5	 7/8"-16UN2	300V 4A	MINDC-5MFF-T	1 to 1 to 1 2 to 2 to 2 3 to 3 to 3 4 to 4 to 4 5 to 5 to 5	 M12 x 1

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MIN-4MFF-T becomes MIN-4MFF-T-SS)

K DeviceNet



MIN to MIN "T" Connector

MIN to MDC "T" Connector

Specifications:

- Body: Oil Resistant Yellow PVC
- Contacts: Copper Alloy with Gold Plating
- Coupling Nut: Nickel Plated Brass
- Temperature: -40°C to +105°C (-40°F to +221°F)



DeviceNet Series Splitters

5 Conductor DeviceNet Series Splitters



Splitters | 300 Volt, 4/8/10 amps | IP67 Rating

Housing Style	Rating	Part Number	Circuit
	300V 4A	MDCDN-5FYMF	

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a “-SS” suffix. (e.g. MDCDN-5FYMF becomes MDCDN-5FYMF-SS)

Specifications:

Body: Oil Resistant Yellow PVC
 Contacts: Copper Alloy with Gold Plating
 Coupling Nut: Nickel Plated Brass
 Temperature: -40°C to +105°C (-40°F to +221°F)

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DeviceNet



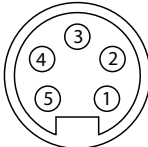
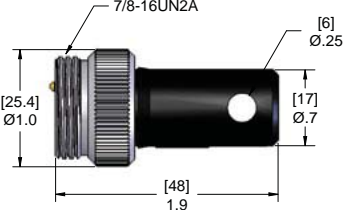
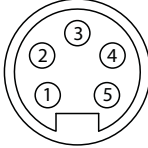
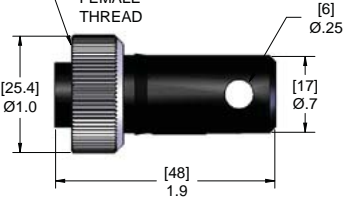
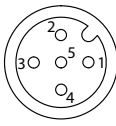
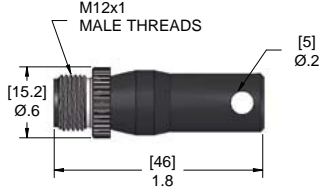
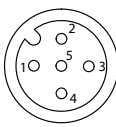
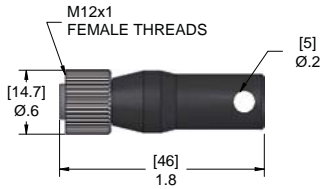
DeviceNet Series Terminating Plugs

5 Conductor DeviceNet Series MIN & MDC Terminating Plugs



Terminating Plugs | IP67 Rating

Wiring: Pin 4 to pin 5 with 1/4 watt 121 Ohm 1% resistor

MIN Terminating Plugs			
# of Poles	Faceview	Housing Style	Part Number
5	 <p>7/8"-16UN2</p>	 <p>7/8-16UN2A</p>	MINDN-5MP-DP1
	 <p>7/8"-16UN2</p>	 <p>7/8-16UN2B FEMALE THREAD</p>	MINDN-5FP-DP1
MDC Terminating Plugs			
5	 <p>M12 x 1</p>	 <p>M12x1 MALE THREADS</p>	MDCDN-5MP-DP1
	 <p>M12 x 1</p>	 <p>M12x1 FEMALE THREADS</p>	MDCDN-5FP-DP1

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MINDN-5FP-DP1 becomes MINDN-5FP-DP1-SS)

Specifications:

Body: Oil Resistant Black PVC
 Contacts: Copper Alloy with Gold Plating
 Coupling Nut: Nickel Plated Brass
 Temperature: -40°C to +105°C (-40°F to +221°F)



DeviceNet Series Receptacles

DeviceNet Series Receptacle Part Number Matrix



Not all options available with all receptacles, please consult factory.



Connector Type

- MIN = MIN with Discrete Wires (7/8"-16UN)
- MINDT = MIN with Trunk Cable (7/8"-16UN)
- MINDD = MIN with Drop Cable (7/8"-16UN)
- MDC = MDC with Discrete Wires (M12 x 1)

Connector Configuration

- MR = Male Receptacle
- FR = Female Receptacle

Shell Material

- Blank = Aluminum or Nickel plated brass
- SS = Stainless Steel

Mounting Style

- Blank = Front Mount 1/2"-14 NPT (Only MIN)
 - 2 = Front Mount 1/2"-14 NPT (Only MDC)
 - 4 = Front Mount 1/4"-18 NPT (Only MDC)
 - BM = Back Mount
 - BM-PCB = PCB Back Mount
- Metric and PG threads are available by request.*

R/A or Straight

- Blank = Straight
- R = Right Angle

Termination Type

- Blank = Pre-Wired
- PCB = PCB Mount

Receptacle Type

- Blank = Trunk/Drop Cable
- DN = Discrete Wire Receptacle

Length in Feet/Meter

- Blank = 1' (Only for MDC)

Wire AWG

- Blank = 16 AWG for MIN
- = 15 & 18 AWG for MINDT
- = 22 & 24 AWG for MINDD
- 18 = 18 AWG
- 22 = 22 AWG

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DeviceNet



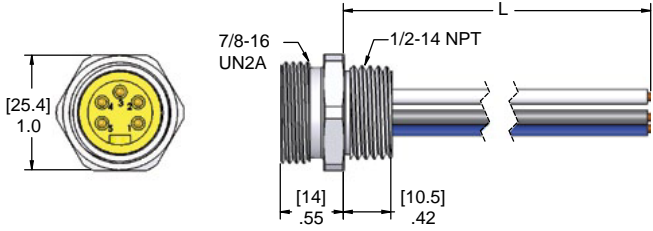
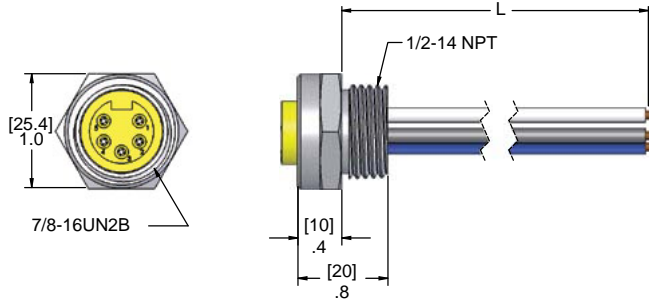
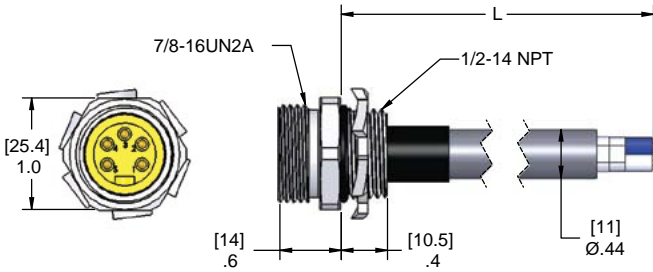
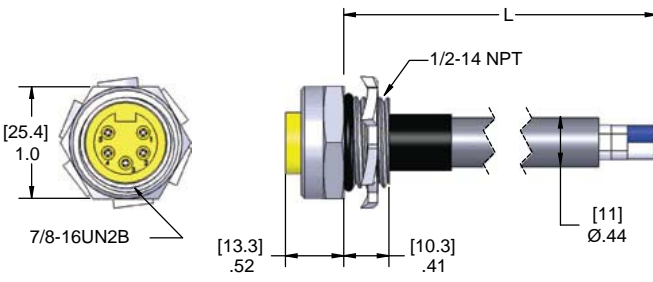
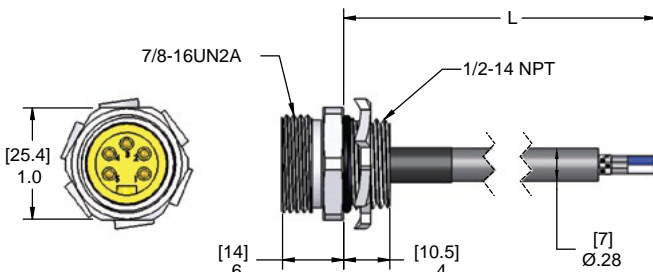
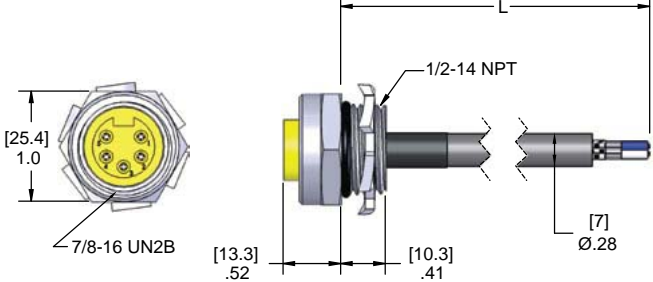
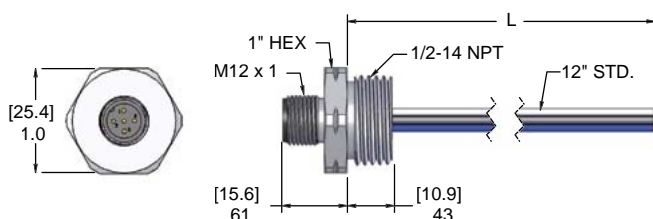
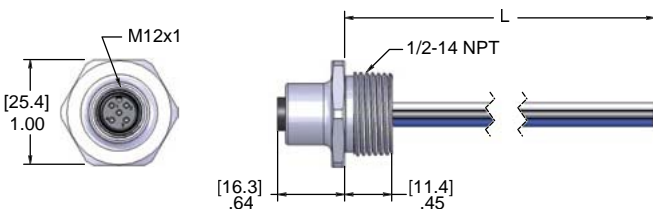
DeviceNet Series Receptacles

DeviceNet Series Receptacle Index



Front Mount

K
DeviceNet

MIN, Front Mount, Male, 1/2"-14NPT	MIN, Front Mount, Female, 1/2"-14NPT
<p>Page K-15</p> 	<p>Page K-15</p> 
MIN, Front Mount, Male, 1/2"-14NPT, Trunk Cable	MIN, Front Mount, Female, 1/2"-14NPT, Trunk Cable
<p>Page K-15</p> 	<p>Page K-15</p> 
MIN, Front Mount, Male, 1/2"-14NPT, Drop Cable	MIN, Front Mount, Female, 1/2"-14NPT, Drop Cable
<p>Page K-15</p> 	<p>Page K-15</p> 
MDC, Front Mount, Male, 1/2"-14NPT	MDC, Front Mount, Female, 1/2"-14NPT
<p>Page K-16</p> 	<p>Page K-16</p> 



<p>MDC, Front Mount, Male, 1/4"-18NPT Page K-16</p>	<p>MDC, Front Mount, Female, 1/4"-18NPT Page K-16</p>
<p>MDC, Back Mount, Male Page K-16</p>	<p>MDC, Back Mount, Female Page K-16</p>
<p>MDC, Front Mount, Male, 1/2"-14NPT, Drop Cable Page K-17</p>	<p>MDC, Front Mount, Female, 1/2"-14NPT, Drop Cable Page K-17</p>
<p>MDC, Back Mount, Male, Drop Cable Page K-17</p>	<p>MDC, Back Mount, Female, Drop Cable Page K-17</p>



DeviceNet Series Receptacles

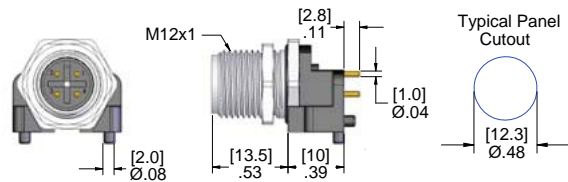
DeviceNet Series Receptacle Index



PCB Mount | PCB Back Mount

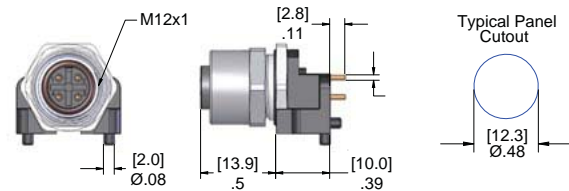
MDC, PCB Mount, Male

Page K-18



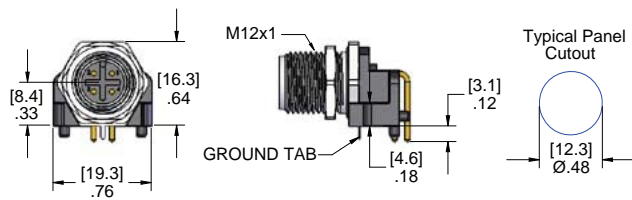
MDC, PCB Mount, Female

Page K-18



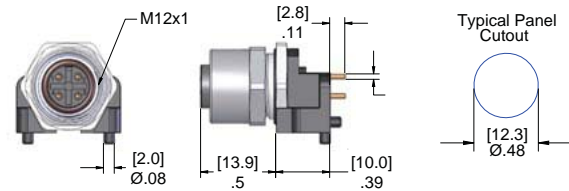
MDC, PCB Mount, Male, Right Angle

Page K-18



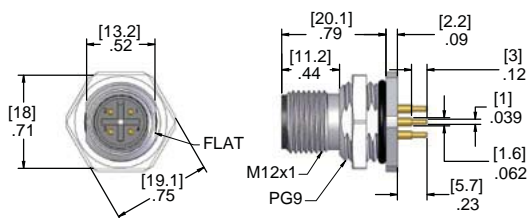
MDC, PCB Mount, Female, Right Angle

Page K-18



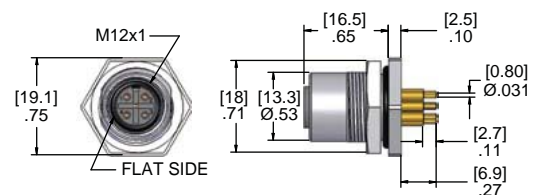
MDC, PCB Back Mount, Male

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MDC, PCB Back Mount, Female

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K
DeviceNet



DeviceNet Series MIN Receptacles

5 Conductor DeviceNet Series MIN Receptacles



Front Mount Receptacles | 1/2"-14 NPT Threads | 600V, 8A | 300V, 5.5A | 300V, 4A | IP67 Rating



Min Series Receptacles							
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Straight	Female Straight	Figure
5	 7/8"-16UN2	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	600V / 8A	16 AWG	MIN-5MR-*-DN	MIN-5FR-*-DN	Figure A
			300V / 5.5A	18 AWG	MIN-5MR-*-18-DN	MIN-5FR-*-18-DN	
			300V / 4A	22 AWG	MIN-5MR-*-22-DN	MIN-5FR-*-22-DN	
Trunk Cable - Thick Cable							
5	 7/8"-16UN2	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	300V 8A	15 & 18 AWG	MINDT-5MR-**	MINDT-5FR-**	Figure B
Drop Cable - Thin Cable							
5	 7/8"-16UN2	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	300V 4A	22 & 24 AWG	MINDD-5MR-**	MINDD-5FR-**	Figure B

* Lengths in feet. 12" leads are standard.

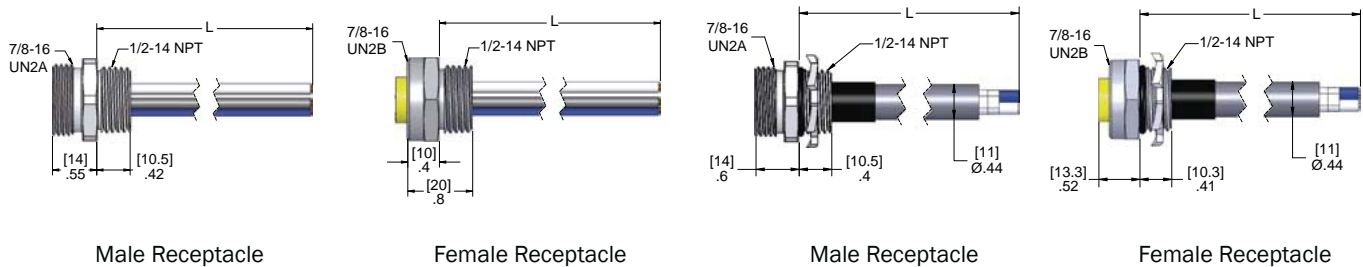
** Lengths in meters.

Metric and PG threads are available, please consult the factory.

For leads version O-ring and lock nut are included on lengths of 15" or longer.

Figure A

Figure B



Specifications:

Shell: Clear Anodized Aluminum
 Insulator: 105°C, Oil Resistant Yellow PVC
 Wire: 16 AWG: UL Style 1015, 600V
 18 & 22 AWG: UL Style 1007/1569, 300V
 Cable: DeviceNet Drop or DeviceNet Trunk

Contacts: Copper Alloy with Gold Plating
 O-Ring: NBR
 Lock Nut: Zinc Plated Steel
 Temperature: -40°C to 90°C (-40°F to +194°F) - Cable Version
 -40°C to 105°C (-40°F to +221°F) - Discrete Wire



DeviceNet Series MDC Receptacles

5 Conductor DeviceNet Series MDC Receptacles, 18 & 22AWG



Front & Back Mount Receptacles | 1/2" & 1/4" NPT Threads | 300 Volt, 4 amps | IP67 Rating



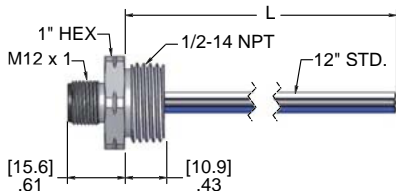
Front Mount Receptacles							
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Thread	Male Receptacle	Female Receptacle
5	<p>M12 x 1</p>	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	300V 4A	18 AWG	1/2" NPT	MDC-5MR-2-18-DN	MDC-5FR-2-18-DN
					1/4" NPT	MDC-5MR-4-18-DN	MDC-5FR-4-18-DN
				22 AWG	1/2" NPT	MDC-5MR-2-22-DN	MDC-5FR-2-22-DN
					1/4" NPT	MDC-5MR-4-22-DN	MDC-5FR-4-22-DN
Back Mount Receptacles							
5	<p>M12 x 1</p>	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	300V 4A	18 AWG	N/A	MDC-5MR-BM-18-DN	MDC-5FR-BM-18-DN
				22 AWG	N/A	MDC-5MR-BM-22-DN	MDC-5FR-BM-22-DN

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers. For 1/2" receptacles with lengths of 15" or longer O-ring and lock nut are included.

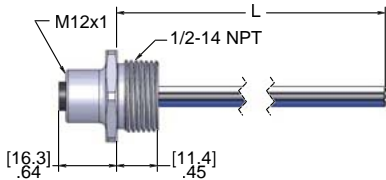
See Page K-17 for Faceview.

K DeviceNet

1/2"-14NPT Mounting Threads

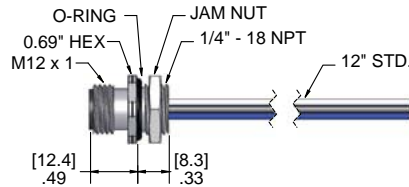


Male Receptacle

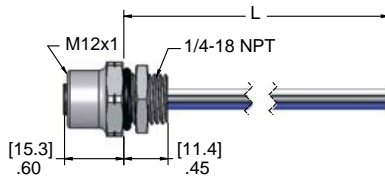


Female Receptacle

1/4"-18NPT Mounting Threads

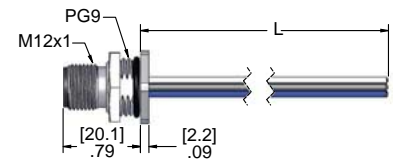


Male Receptacle

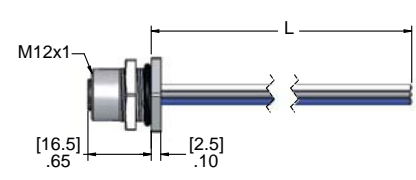


Female Receptacle

Back Mount Receptacles



Male Receptacle



Female Receptacle

Specifications:

Body: 1/2" NPT: Clear Anodized Aluminum
1/4" NPT: Nickel Plated Brass

Insulator: Polyamide

Wire: 18 & 22 AWG 300V,
UL Style 1007/1569

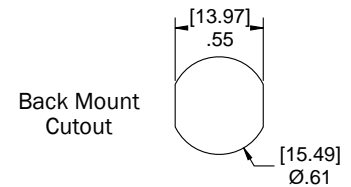
Contacts: Copper Alloy with Gold Plating

Lock Nut: Zinc Plated Steel

Jam Nut: Nickel Plated Brass

O-Ring: NBR

Temperature: -40°C to + 105°C (-40°F to +221°F)





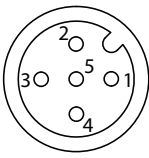
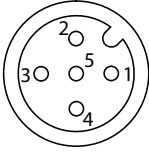
DeviceNet Series MDC Receptacles

5 Conductor DeviceNet Series MDC Receptacles, 22 & 24AWG



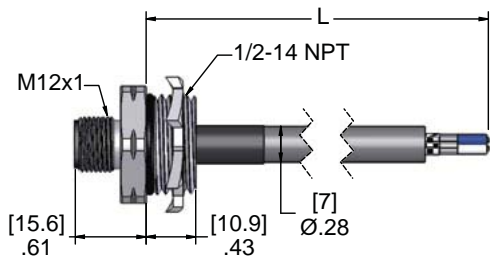
Front & Back Mount Receptacles with Drop Cable | 300 Volt, 4 amps | IP67 Rating



Front Mount Receptacles with Drop Cable - 1/2" NPT						
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacle	Female Receptacle
5	 M12 x 1	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	300V 4A	22 & 24 AWG	MDCDD-5MR-2-**	MDCDD-5FR-2-**
Back Mount Receptacles with Drop Cable						
5	 M12 x 1	1. Bare (Drain) 2. Red (V+) 3. Black (V-) 4. White (CAN_H) 5. Blue (CAN_L)	300V 4A	22 & 24 AWG	MDCDD-5MR-BM-**	MDCDD-5FR-BM-**

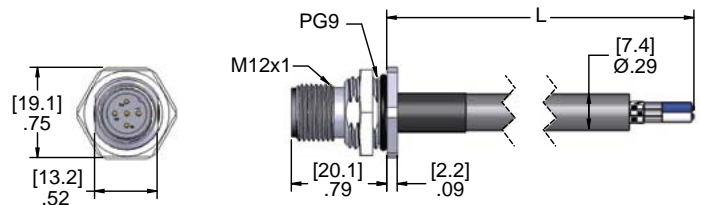
** Lengths in meters.

Standard Receptacles with Drop Cables

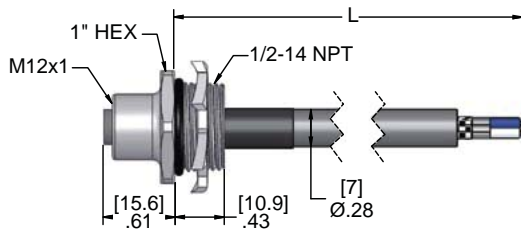
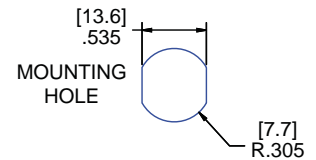


Male Receptacles

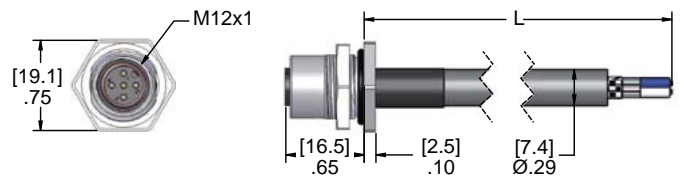
Back Mount Receptacles with Drop Cables



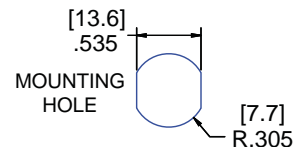
Male Receptacles



Female Receptacles



Female Receptacles





DeviceNet Series MDC Receptacles

5 Conductor DeviceNet Series MDC Receptacles

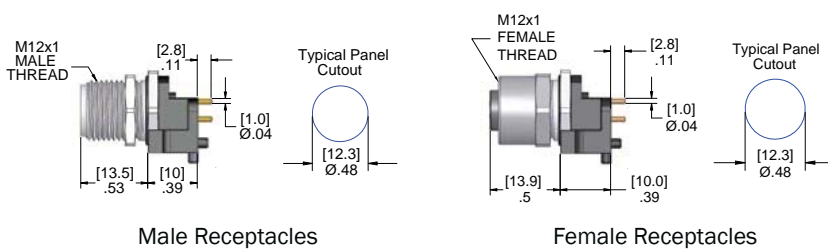


PCB Mount & PCB Back Mount Receptacles | 300 Volt, 4 amps | IP67 Rating

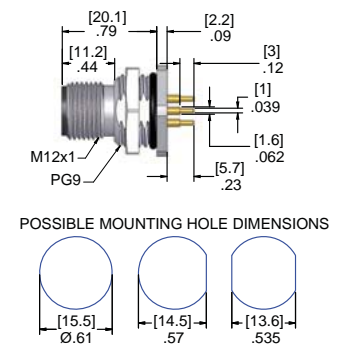


# of Poles	Male Faceview	Rating	Style	Male Receptacle	Female Receptacle
5	<p>M12 x 1</p>	300V 4A	Front Mount Straight	MDC-5MR-PCB	MDC-5FR-PCB
			Front Mount Right Angle	MDC-5MR-PCB-R	MDC-5FR-PCB-R
			Back Mount	MDC-5MR-BM-PCB	MDC-5FR-BM-PCB

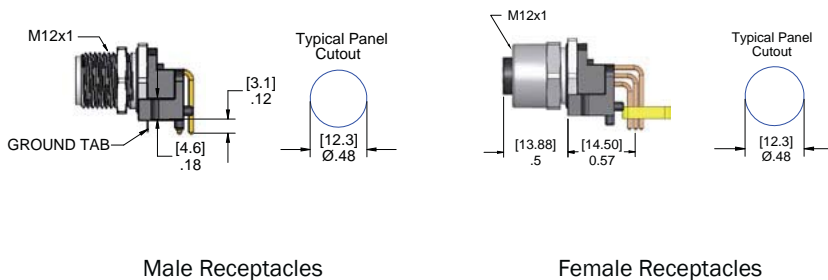
PCB Receptacles



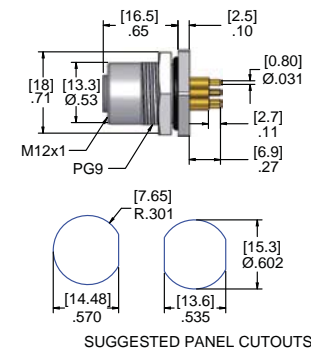
PCB Back Mount Receptacles



PCB Receptacles Right Angle



Male Receptacles



Female Receptacles

Specifications:

Body: Polyamide
 Contacts: Copper Alloy with Gold Plating
 Shell: Nickel Plated Brass
 O-Ring: NBR
 Jam Nut: Nickel Plated Brass
 Temperature: -40°C to 105°C (-40°F to +221°F)



DeviceNet Series Conduit Adapters

5 Conductor DeviceNet Series Conduit Adapters



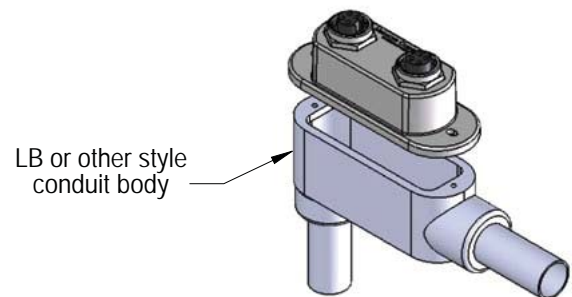
MIN & MDC Conduit Adapters | 1 & 2 Port | 40V, 4A | 40V, 8A | IP67 Rating

MIN (7/8"-16UN) Conduit Adapters						
# of Poles	Faceview	Rating	# of Ports	Part Number	Body Style	Circuit
5	<p>7/8"-16UN</p> <p>1 = DRAIN 2 = +V 3 = -V 4 = CAN_H 5 = CAN_L</p> <p>1 = -V 2 = CAN_L 3 = DRAIN 4 = CAN_H 5 = +V</p>	40V 8A	1 Port	MINDN-1-5FR-CA		
			2 Port	MINDN-2-5FR-CA		
MDC (M12) Conduit Adapters						
5	<p>M12 x 1</p> <p>1 = DRAIN 2 = +V 3 = -V 4 = CAN_H 5 = CAN_L</p> <p>1 = -V 2 = CAN_L 3 = DRAIN 4 = CAN_H 5 = +V</p>	40V 4A	1 Port	MDCDN-1-5FR-CA		
			2 Port	MDCDN-2-5FR-CA		

K
DeviceNet

Specifications:

- Housing: Glass Filled PBT
- Recp. Shell: Nickel Plated Brass
- Insert: Polyamide
- Contacts: Copper Alloy with Gold Plating
- Gasket: NBR
- Temperature: -40°C to 70°C (-40°F to +158°F)



Remove existing Conduit Body cover and replace with Mencom Conduit Adapter.

Works with all standard 3/4" NPT conduit bodies, including Form 8 and Mark 9 adapters. (screws are included with adapter)








DeviceNet Series Junction Blocks

4 Port, 5 Conductor DeviceNet Series Junction Blocks



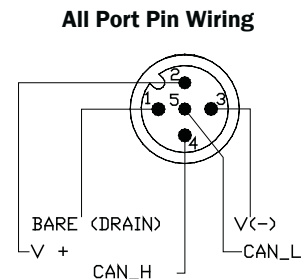
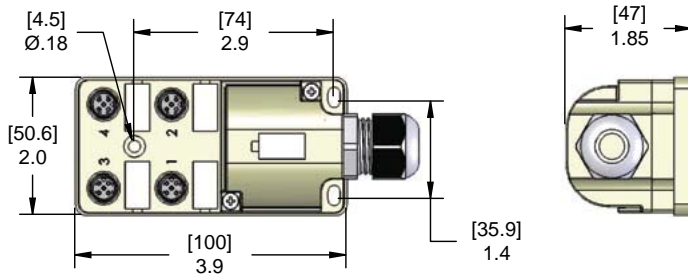
Junction Blocks | No Electronics | 4 Port, 5 Conductor | 300 Volt, 8 amps | IP67 Rating



Trunk Style	UL Rating	Trunk Connection	Part Number
	UL Listed	Field Wireable 24 AWG - 16 AWG	JDN-450-005-F000
	UL Listed	Gray PVC AWM With Braided Shield 2 X 15 AWG 2 X 18 AWG 1 x 18 AWG (Drain) 11.2mm OD	JDN-450-005-C**
	N/A	M12 5 Pole Male Receptacle	JDN-450-005-E000
	N/A	MIN Size I 5 Pole Male Receptacle	JDN-450-005-M000
 0.3m Shown	N/A	DeviceNet MIN Size I 5 Pole Male Plug	JDN-450-005-M***

K DeviceNet

** Lengths in meters. Standard cable lengths are 0.3, 2, 5 & 10 meters. Consult factory for other lengths.



Specifications:

Housing:	Glass Filled PBT	Gasket:	NBR
Insert:	Polyamide	Temperature:	-40°C to 70°C (-40°F to +158°F)
Contacts:	Copper Alloy with Gold Plating		




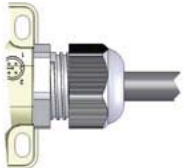



DeviceNet Series Junction Blocks

6 Port, 5 Conductor DeviceNet Series Junction Blocks



Junction Blocks | No Electronics | 6 Port, 5 Conductor | 300 Volt, 8 amps | IP67 Rating

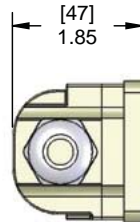
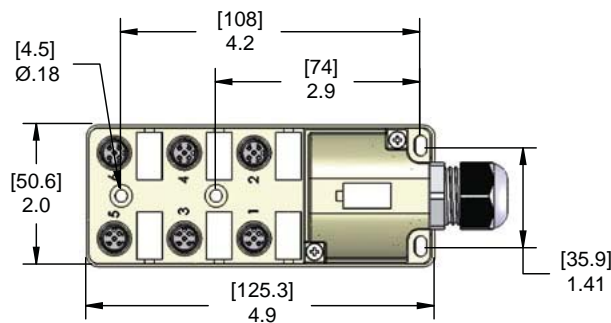


Trunk Style	UL Rating	Trunk Connection	Part Number
	UL Listed	Field Wireable 24 AWG - 16 AWG	JDN-650-005-F000
	UL Listed	Gray PVC AWM With Braided Shield 2 X 15 AWG 2 X 18 AWG 1 x 18 AWG (Drain) 11.2mm OD	JDN-650-005-C**
	N/A	M12 5 Pole Male Receptacle	JDN-650-005-E000
	N/A	MIN Size I 5 Pole Male Receptacle	JDN-650-005-M000
 0.3m Shown	N/A	DeviceNet MIN Size I 5 Pole Male Plug	JDN-650-005-M***

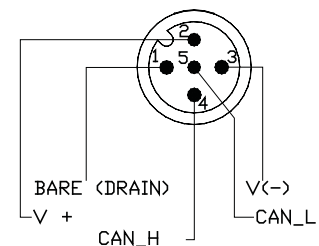
K
DeviceNet

** Lengths in meters. Standard cable lengths are 0.3, 2, 5 & 10 meters. Consult factory for other lengths.

*** Standard length for junction blocks with cable & plug is 0.3m with male threads on the plug. Cable & plug lengths longer than 0.3m will have female threads.



All Port Pin Wiring



Specifications:

Housing: Glass Filled PBT
 Insert: Polyamide
 Contacts: Copper Alloy with Gold Plating

Gasket: NBR
 Temperature: -40°C to 70°C (-40°F to +158°F)








DeviceNet Series Junction Blocks

8 Port, 5 Conductor DeviceNet Series Junction Blocks



Junction Blocks | No Electronics | 8 Port, 5 Conductor | 300 Volt, 8 amps | IP67 Rating

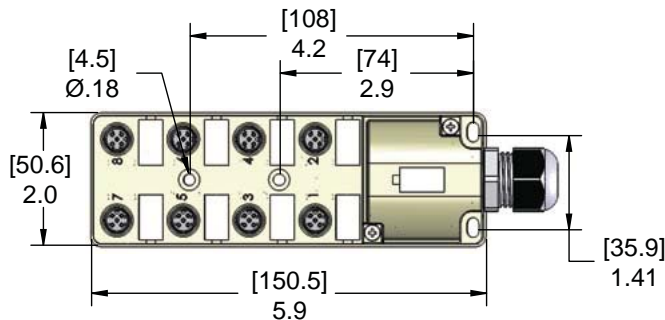


Trunk Style	UL Rating	Trunk Connection	Part Number
	UL Listed	Field Wireable 24 AWG - 16 AWG	JDN-850-005-F000
	UL Listed	Gray PVC AWM With Braided Shield 2 X 15 AWG 2 X 18 AWG 1 x 18 AWG (Drain) 11.2mm OD	JDN-850-005-C**
	N/A	M12 5 Pole Male Receptacle	JDN-850-005-E000
	N/A	MIN Size I 5 Pole Male Receptacle	JDN-850-005-M000
 0.3m Shown	N/A	DeviceNet MIN Size I 5 Pole Male Plug	JDN-850-005-M***

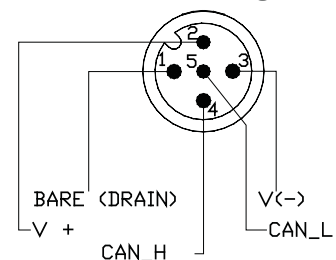
K DeviceNet

** Lengths in meters. Standard cable lengths are 0.3, 2, 5 & 10 meters. Consult factory for other lengths.

*** Standard length for junction blocks with cable & plug is 0.3m with male threads on the plug. Cable & plug lengths longer than 0.3m will have female threads.



All Port Pin Wiring



Specifications:

Housing: Glass Filled PBT
 Insert: Polyamide
 Contacts: Copper Alloy with Gold Plating

Gasket: NBR
 Temperature: -40°C to 70°C (-40°F to +158°F)

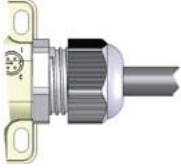
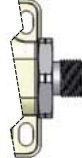




DeviceNet Series Junction Blocks

10 Port, 5 Conductor DeviceNet Series Junction Blocks

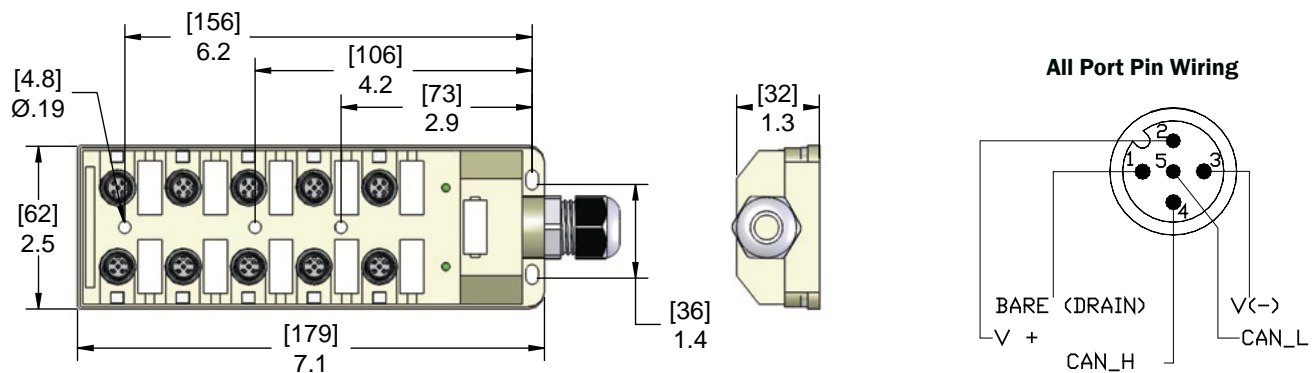


Junction Blocks | No Electronics | 10 Port, 5 Conductor | 300 Volt, 8 amps | IP67 Rating

Trunk Style	UL Rating	Trunk Connection	Part Number
	N/A	Gray PVC AWM With Braided Shield 2 X 15 AWG 2 X 18 AWG 1 x 18 AWG (Drain) 11.2mm OD	JDN-050-005-C**
	N/A	M12 5 Pole Male Receptacle	JDN-050-005-E000
	N/A	MIN Size I 5 Pole Male Receptacle	JDN-050-005-M000
 0.3m Shown	N/A	DeviceNet MIN Size I 5 Pole Male Plug	JDN-050-005-M***

** Lengths in meters. Standard cable lengths are 0.3, 2, 5 & 10 meters. Consult factory for other lengths.

*** Standard length for junction blocks with cable & plug is 0.3m with male threads on the plug. Cable & plug lengths longer than 0.3m will have female threads.



Specifications:

Housing:	Polypropylene	Gasket:	NBR
Insert:	Polyamide	Temperature:	-40°C to 70°C (-40°F to +158°F)
Contacts:	Copper Alloy with Gold Plating		

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DeviceNet

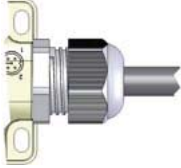





DeviceNet Series Junction Blocks

12 Port, 5 Conductor DeviceNet Series Junction Blocks

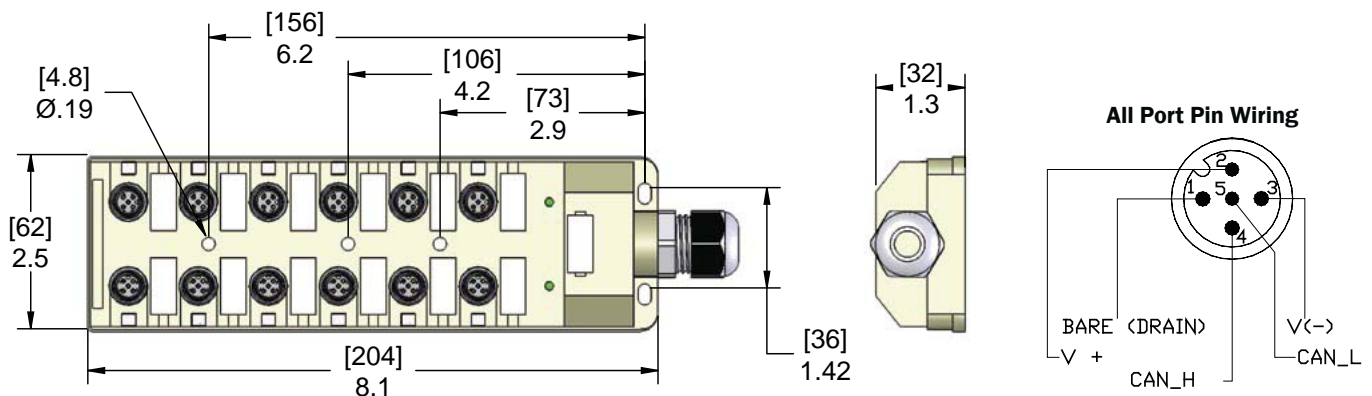


Junction Blocks | No Electronics | 12 Port, 5 Conductor | 300 Volt, 8 amps | IP67 Rating

Trunk Style	UL Rating	Trunk Connection	Part Number
	N/A	Gray PVC AWM With Braided Shield 2 X 15 AWG 2 X 18 AWG 1 x 18 AWG (Drain) 11.2mm OD	JDN-250-005-C**
	N/A	M12 5 Pole Male Receptacle	JDN-250-005-E000
	N/A	MIN Size I 5 Pole Male Receptacle	JDN-250-005-M000
 0.3m Shown	N/A	DeviceNet MIN Size I 5 Pole Male Plug	JDN-250-005-M***

** Lengths in meters. Standard cable lengths are 0.3, 2, 5 & 10 meters. Consult factory for other lengths.

*** Standard length for junction blocks with cable & plug is 0.3m with male threads on the plug. Cable & plug lengths longer than 0.3m will have female threads.



Specifications:

Housing:	Polypropylene	Gasket:	NBR
Insert:	Polyamide	Temperature:	-40°C to 70°C (-40°F to +158°F)
Contacts:	Copper Alloy with Gold Plating		



Ethernet Series

Etherplug (M12)

Over-Molded Cordsets | Armored Cordsets | Receptacles | Field Wireables | Switches | Accessories

UL File #:
E149111

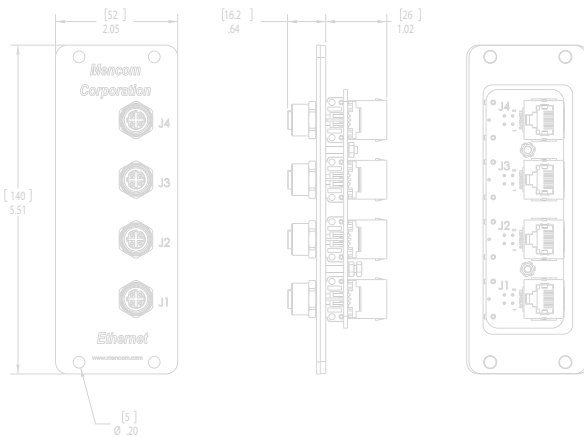
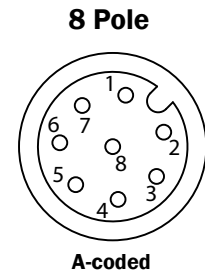
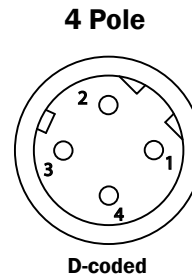


Industrial network systems allow for real-time distributed control of many connection points from a single controller. These “network bus” systems reduce the total amount of cable required and can simplify the overall design. Mencom offers a broad range of industrial network connectivity products to streamline your installation.

Industrial Ethernet

Using Ethernet in industrial applications is becoming more prevalent. This has increased the need for Ethernet product that is built to handle harsh environments. Mencom has addressed this need with a series of rugged Ethernet products. Our E45V3 series connectors allow for an IP67 rating while using standard RJ45 connectors.

Mencom offers M12 threaded connectors. We refer to this series with a MDE45 prefix. Our MDE45 series utilizes M12 4 wire (D-Coded) connectors with 2 pair Cat 5e cables or M12 8 wire (A-Coded) connectors with 4 pair Cat 5e cable. The MDE45 is specifically used in Industrial Ethernet applications, and has teal cable using twisted pairs of wires inside. This connector has a unique keyway that is known as D-coded.



Ethernet Series

L

Contents

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Ethernet (M12) Series Etherplug Cordsets

Ethernet Series Cordset Part Number Matrix



Not all options available with all cordsets, please consult factory.

MDE45 [] - [] [] - [] - [] - [] - [] - [] - []

Cable Type

- Blank = PVC
- P = PUR
- PB = PUR / Braided Shield
- M = Mylar Shield
- WB = Continuous Flex. TPE / Braided

Number of Conductors

- 4
- 8

Connector Configuration

- MP = Male Plug
- FP = Female Plug
- MFP = Male / Female Extension
- MFRP = Male Straight / Female Right Angle
- MRFP = Male Right Angle / Female Straight
- MMP = Male/Male Extension
- FFP = Female/Female Extension
- MSP = Male-Shielded to Coupling Nut
- FSP = Female-Shielded to Coupling Nut
- MFPS = Male & Female-Shielded to Coupling Nut
- MSFP = Male Shielded to Coupling Nut / Female Not
- MFSP = Female Shielded to Coupling Nut / Male Not
- MMSP = Male/Male Shielded to Coupling Nut
- FFSP = Female/Female Shielded to Coupling Nut

Length in Meters

- 1M
- 2M
- 4M
- 5M
- 6M
- 10M
- 15M

Other lengths are available by request.

RJ45

- RJ45 = RJ45 Male on Second End

Armor (See L-19 for more details)

- Blank = No Armor
- A01 = SS w/ Cable Inside
- A03 = PVC Covered SS w/ Cable Inside
- A50 = Silicone (Stops at Overmold)
- A51 = Silicone (Covers Overmold)

Coupling Nut

- Blank = Nickel plated brass
- SS = Stainless Steel

Cable Jacket Color

- Blank = Teal
- RD = Red

R/A or Straight

- Blank = Straight *
- R = Right Angle **

* Unless the Connector Configuration is MFRP or MRFP
 ** If single ended cable, right angle connector to flying leads
 If double ended cable, right angle on both connectors



Ethernet (M12) Series Etherplug Cordsets

4 Conductor Ethernet Series Cordsets, 24AWG



Straight Male Cordsets | 300 Volt, 3 amps | CAT5e | D-Coded | Twisted Pairs | IP67 Rating

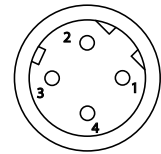


Ethernet Series

L



1. White/Orange
2. White/Green
3. Orange
4. Green



M12 x 1

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDE45-4MP-**	Teal PVC AWM 4 X 24 AWG 300V, 3A -20°C to +80°C 6.1mm OD	Industry Standard PVC		
	MDE45M-4MP-**	Teal PVC AWM With Foil Shield 4 X 24 AWG 300V, 3A -20°C to +80°C 6.6mm OD	Industry Standard PVC Foil Shield		
	MDE45M-4MSP-**	Teal PVC AWM With Foil Shield 4 X 24 AWG 300V, 3A -20°C to +80°C 6.6mm OD	Industry Standard PVC Foil Shield to Coupling Nut		
	MDE45P-4MP-**	Teal PUR AWM 4 X 24 AWG 300V, 3A -40°C to +80°C 5.6mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDE45PB-4MP-**	Teal PUR AWM With Foil & Braided Shield 4 X 24 AWG 300V, 3A -40°C to +80°C 6.4mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR Foil & Braided Shield		
	MDE45PB-4MSP-**	Teal PUR AWM With Foil & Braided Shield 4 X 24 AWG 300V, 3A -40°C to +80°C 6.4mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR Foil & Braided Shield to Coupling Nut		
	MDE45WB-4MP-** (Teal) MDE45WB-4MP-**-RD (Red)	TPE AWM With Foil & Braided Shield 4 X 24 AWG 300V, 3A -40°C to +80°C 6.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield		
	MDE45WB-4MSP-** (Teal) MDE45WB-4MSP-**-RD (Red)	TPE AWM With Foil & Braided Shield 4 X 24 AWG 300V, 3A -40°C to +80°C 6.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield to Coupling Nut		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDE45-4MP-1M becomes MDE45-4MP-1M-SS)



Ethernet (M12) Series Etherplug Cordsets

4 Conductor Ethernet Series Cordsets, 24AWG



Straight Female Cordsets | 300 Volt, 3 amps | CAT5e | D-Coded | Twisted Pairs | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDE45-4FP-**	Teal PVC AWM 4 X 24 AWG 300V, 3A -20°C to +80°C 6.1mm OD	Industry Standard PVC	1. White/Orange 2. White/Green 3. Orange 4. Green	 M12 x 1
	MDE45M-4FP-**	Teal PVC AWM With Foil Shield 4 X 24 AWG 300V, 3A -20°C to +80°C 6.6mm OD	Industry Standard PVC Foil Shield		
	MDE45M-4FSP-**	Teal PVC AWM With Foil Shield 4 X 24 AWG 300V, 3A -20°C to +80°C 6.6mm OD	Industry Standard PVC Foil Shield to Coupling Nut		
	MDE45P-4FP-**	Teal PUR AWM 4 X 24 AWG 300V, 3A -40°C to +80°C 5.6mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDE45PB-4FP-**	Teal PUR AWM With Foil & Braided Shield 4 X 24 AWG 300V, 3A -40°C to +80°C 6.4mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR Foil & Braided Shield		
	MDE45PB-4FSP-**	Teal PUR AWM With Foil & Braided Shield 4 X 24 AWG 300V, 3A -40°C to +80°C 6.4mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR Foil & Braided Shield to Coupling Nut		
	MDE45WB-4FP-** MDE45WB-4FP-**-RD (Red)	TPE AWM With Foil & Braided Shield 4 X 24 AWG 300V, 3A -40°C to +80°C 6.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield		
	MDE45WB-4FSP-** (Teal) MDE45WB-4FSP-**-RD (Red)	TPE AWM With Foil & Braided Shield 4 X 24 AWG 300V, 3A -40°C to +80°C 6.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield to Coupling Nut		

Ethernet Series

L

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDE45-4FP-1M becomes MDE45-4FP-1M-SS)



Ethernet (M12) Series Etherplug Cordsets

8 Conductor Ethernet Series Cordsets, 24/26AWG



Straight Male Cordsets | 60 Volt, 2 amps | CAT5e | A-Coded | Twisted Pairs | IP67 Rating



Ethernet Series

L



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDE45-8MP-**	Teal PVC AWM 8 X 24 AWG 60V, 2A -20°C to +80°C 6.4mm OD	Industry Standard PVC	1. White/Blue 2. White/Brown 3. Brown 4. Orange 5. White/Green 6. White/Orange 7. Blue 8. Green	<p>M12 x 1</p>
	MDE45B-8MP-**	Teal PVC AWM With Foil & Braided Shield 8 X 24 AWG 60V, 2A -20°C to +80°C 7.6mm OD	Industry Standard PVC Foil & Braided Shield		
	MDE45P-8MP-**	Teal PUR AWM 8 X 24 AWG 60V, 2A -40°C to +80°C 6.3 mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDE45PB-8MP-**	Teal PUR With Foil & Braided Shield 8 X 26 AWG 60V, 2A -40°C to +75°C 6.3mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR Foil & Braided Shield		
	MDE45PB-8MSP-**	Teal PUR With Foil & Braided Shield 8 X 26 AWG 60V, 2A -40°C to +75°C 6.3mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil & Braided Shield to Coupling Nut		
	MDE45WB-8MP-**	Teal TPE AWM With Foil & Braided Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 7.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield		
	MDE45WB-8MSP-**	Teal TPE AWM With Foil & Braided Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 7.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield to Coupling Nut		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDE45-8MP-1M becomes MDE45-8MP-1M-SS)




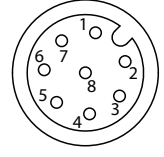
Ethernet (M12) Series Etherplug Cordsets

8 Conductor Ethernet Series Cordsets, 24/26AWG



Straight Female Cordsets | 60 Volt, 2 amps | CAT5e | A-Coded | Twisted Pairs | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDE45-8FP-**	Teal PVC AWM 8 X 24 AWG 60V, 2A -20°C to +80°C 6.4mm OD	Industry Standard PVC	<ol style="list-style-type: none"> 1. White/Blue 2. White/Brown 3. Brown 4. Orange 5. White/Green 6. White/Orange 7. Blue 8. Green 	 <p>M12 x 1</p>
	MDE45B-8FP-**	Teal PVC AWM With Foil & Braided Shield 8 X 24 AWG 60V, 2A -20°C to +80°C 7.6mm OD	Industry Standard PVC Foil & Braided Shield		
	MDE45P-8FP-**	Teal PUR AWM 8 X 24 AWG 60V, 2A -40°C to +80°C 6.3 mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDE45PB-8FP-**	Teal PUR With Foil & Braided Shield 8 X 26 AWG 60V, 2A -40°C to +75°C 6.3mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR Foil & Braided Shield		
	MDE45PB-8FSP-**	Teal PUR With Foil & Braided Shield 8 X 26 AWG 60V, 2A -40°C to +75°C 6.3mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil & Braided Shield to Coupling Nut		
	MDE45WB-8FP-**	Teal TPE AWM With Foil & Braided Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 7.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield		
	MDE45WB-8FSP-**	Teal TPE AWM With Foil & Braided Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 7.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield to Coupling Nut		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDE45-8FP-1M becomes MDE45-8FP-1M-SS)

Ethernet Series

L



Ethernet (M12) Series Etherplug Cordsets

4 Conductor Ethernet Series Cordsets, 24AWG



Right Angle Male Cordsets | 300 Volt, 3 amps | CAT5e | D-Coded | Twisted Pairs | IP67 Rating



Ethernet Series

L

Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDE45-4MP-**-R	Teal PVC AWM 4 X 24 AWG 300V, 3A -20°C to +80°C 6.1mm OD	Industry Standard PVC	1. White/Orange 2. White/Green 3. Orange 4. Green	 M12 x 1
	MDE45M-4MP-**-R	Teal PVC AWM With Foil Shield 4 X 26 AWG 300V, 3A -20°C to +80°C 6.6mm OD	Industry Standard PVC Foil Shield		
	MDE45P-4MP-**-R	Teal PUR AWM 4 X 24 AWG 300V, 3A -40°C to +80°C 5.6mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDE45PB-4MP-**-R	Teal PUR AWM With Foil & Braided Shield 4 X 24 AWG 300V, 3A -40°C to +80°C 6.4mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR Foil & Braided Shield		
	MDE45WB-4MP-**-R (Teal) MDE45WB-4MP-**-R-RD (Red)	TPE AWM With Foil & Braided Shield 4 X 24 AWG 300V, 3A -40°C to +80°C 6.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDE45-4MP-1M-R becomes MDE45-4MP-1M-R-SS)



Ethernet (M12) Series Etherplug Cordsets

4 Conductor Ethernet Series Cordsets, 24AWG



Right Angle Female Cordsets | 300 Volt, 3 amps | CAT5e | D-Coded | Twisted Pairs | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDE45-4FP-**-R	Teal PVC AWM 4 X 24 AWG 300V, 3A -20°C to +80°C 6.1mm OD	Industry Standard PVC	1. White/Orange 2. White/Green 3. Orange 4. Green	 M12 x 1
	MDE45M-4FP-**-R	Teal PVC AWM With Foil Shield 4 X 26 AWG 300V, 3A -20°C to +80°C 6.6mm OD	Industry Standard PVC Foil Shield		
	MDE45P-4FP-**-R	Teal PUR AWM 4 X 24 AWG 300V, 3A -40°C to +80°C 5.6mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDE45PB-4FP-**-R	Teal PUR AWM With Foil & Braided Shield 4 X 24 AWG 300V, 3A -40°C to +80°C 6.4mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR Foil & Braided Shield		
	MDE45WB-4FP-**-R (Teal) MDE45WB-4FP-**-R-RD (Red)	TPE AWM With Foil & Braided Shield 4 X 24 AWG 300V, 3A -40°C to +80°C 6.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDE45-4FP-1M-R becomes MDE45-4FP-1M-R-SS)

Ethernet Series





Ethernet (M12) Series Etherplug Cordsets

8 Conductor Ethernet Series Cordsets, 24/26AWG



Right Angle Male Cordsets | 60 Volt, 2 amps | CAT5e | A-Coded | Twisted Pairs | IP67 Rating



Ethernet Series

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Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDE45-8MP-**-R	Teal PVC AWM 8 X 24 AWG 60V, 2A -20°C to +80°C 6.4mm OD	Industry Standard PVC	1. White/Blue 2. White/Brown 3. Brown 4. Orange 5. White/Green 6. White/Orange 7. Blue 8. Green	 M12 x 1
	MDE45B-8MP-**-R	Teal PVC AWM With Foil & Braided Shield 8 X 24 AWG 60V, 2A -20°C to +80°C 7.6mm OD	Industry Standard PVC Foil & Braided Shield		
	MDE45P-8MP-**-R	Teal PUR AWM 8 X 24 AWG 60V, 2A -40°C to +80°C 6.3 mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDE45PB-8MP-**-R	Teal PUR With Foil & Braided Shield 8 X 26 AWG 60V, 2A -40°C to +75°C 6.3mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil & Braided Shield		
	MDE45WB-8MP-**-R	Teal TPE AWM With Foil & Braided Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 7.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDE45-8MP-1M-R becomes MDE45-8MP-1M-R-SS)



Ethernet (M12) Series Etherplug Cordsets

8 Conductor Ethernet Series Cordsets, 24/26AWG



Right Angle Female Cordsets | 60 Volt, 2 amps | CAT5e | A-Coded | Twisted Pairs | IP67 Rating



Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	MDE45-8FP-**-R	Teal PVC AWM 8 X 24 AWG 60V, 2A -20°C to +80°C 6.4mm OD	Industry Standard PVC	1. White/Blue 2. White/Brown 3. Brown 4. Orange 5. White/Green 6. White/Orange 7. Blue 8. Green	 M12 x 1
	MDE45B-8FP-**-R	Teal PVC AWM With Foil & Braided Shield 8 X 24 AWG 60V, 2A -20°C to +80°C 7.6mm OD	Industry Standard PVC Foil & Braided Shield		
	MDE45P-8FP-**-R	Teal PUR AWM 8 X 24 AWG 60V, 2A -40°C to +80°C 6.3 mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR		
	MDE45PB-8FP-**-R	Teal PUR With Foil & Braided Shield 8 X 26 AWG 60V, 2A -40°C to +75°C 6.3mm OD	Oil and Cutting Fluid Resistant Cut Resistant PUR Foil & Braided Shield		
	MDE45WB-8FP-**-R	Teal TPE AWM With Foil & Braided Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 7.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield		

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDE45-8FP-1M-R becomes MDE45-8FP-1M-R-SS)

Ethernet Series

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Ethernet (M12) Series Etherplug Cordsets

4 Conductor Ethernet Series Cordsets, 24AWG

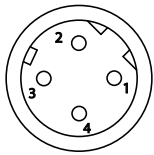


Double Ended Cordsets | 300V, 3A | CAT5e | D-Coded | Twisted Pairs | IP67 Rating



Ethernet Series

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M12 x 1

Male Faceview	Cables	Features	Male to Female	Male to Male	Female to Female
	Teal PVC AWM 4 X 24 AWG 300V, 3A -20°C to +80°C 6.1mm OD	Industry Standard PVC	MDE45-4MFP-**	MDE45-4MMP-**	MDE45-4FFP-**
	Teal PVC AWM With Foil Shield 4 X 24 AWG 300V, 3A -20°C to +80°C 6.1mm OD	Industry Standard PVC	MDE45M-4MFP-**	MDE45M-4MMP-**	MDE45M-4FFP-**
	Teal PUR AWM 4 X 24 AWG 300V, 3A -40°C to +80°C 5.6mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR	MDE45P-4MFP-**	MDE45P-4MMP-**	MDE45P-4FFP-**
	Teal PUR AWM With Foil & Braided Shield 4 X 24 AWG 300V, 3A -40°C to +80°C 6.4mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR Foil & Braided Shield	MDE45PB-4MFP-**	MDE45PB-4MMP-**	MDE45PB-4FFP-**
	Teal PUR AWM With Foil & Braided Shield 4 X 24 AWG 300V, 3A -40°C to +80°C 6.4mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR Foil & Braided Shield to Coupling Nut	MDE45PB-4MFPS-**	MDE45PB-4MMPS-**	MDE45PB-4FFPS-**
	TPE AWM With Foil & Braided Shield 4 X 24 AWG 300V, 3A -40°C to +80°C 6.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield	MDE45WB-4MFP-** (Teal) MDE45WB-4MFP-**-RD (Red)	MDE45WB-4MMP-** (Teal) MDE45WB-4MMP-**-RD (Red)	MDE45WB-4FFP-** (Teal) MDE45WB-4FFP-**-RD (Red)
	TPE AWM With Foil & Braided Shield 4 X 24 AWG 300V, 3A -40°C to +80°C 6.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield to Coupling Nut	MDE45WB-4MFPS-** (Teal) MDE45WB-4MFPS-**-RD (Red)	MDE45WB-4MMPS-** (Teal) MDE45WB-4MMPS-**-RD (Red)	MDE45WB-4FFPS-** (Teal) MDE45WB-4FFPS-**-RD (Red)

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDE45-4MFP-1M becomes MDE45-4MFP-1M-SS)



Male Plug



Female Plug



Ethernet (M12) Series Etherplug Cordsets

8 Conductor Ethernet Series Cordsets, 24/26AWG



Double Ended Cordsets | 60V, 2A | CAT5e | Twisted Pairs | IP67 Rating



Male Faceview	Cables	Features	Male to Female	Male to Male	Female to Female
<p>M12 x 1</p>	Teal PVC AWM 8 X 24 AWG 60V, 2A -20°C to +80°C 6.4mm OD	Industry Standard PVC	MDE45-8MFP-**	MDE45-8MMP-**	MDE45-8FFP-**
	Teal PVC AWM With Foil & Braided Shield 8 X 24 AWG 60V, 2A -20°C to +80°C 7.6mm OD	Industry Standard PVC Foil & Braided Shield	MDE45B-8MFP-**	MDE45B-8MMP-**	MDE45B-8FFP-**
	Teal PUR AWM 8 X 24 AWG 60V, 2A -40°C to +80°C 6.3 mm OD	Continuous-Flex Oil and Cutting Fluid Re- sistant Cut Resistant PUR	MDE45P-8MFP-**	MDE45P-8MMP-**	MDE45P-8FFP-**
	Teal PUR With Foil & Braided Shield 8 X 26 AWG 60V, 2A -40°C to +75°C 6.3mm OD	Continuous-Flex Oil and Cutting Fluid Re- sistant Cut Resistant PUR Foil & Braided Shield	MDE45PB-8MFP-**	MDE45PB-8MMP-**	MDE45PB-8FFP-**
	Teal PUR With Foil & Braided Shield 8 X 26 AWG 60V, 2A -40°C to +75°C 6.3mm OD	Continuous-Flex Oil and Cutting Fluid Re- sistant Cut Resistant PUR Foil & Braided Shield to Coupling Nut	MDE45PB-8MFPS-**	MDE45PB-8MMPS-**	MDE45PB-8FFPS-**
	Teal TPE AWM With Foil & Braided Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 7.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield	MDE45WB-8MFP-**	MDE45WB-8MMP-**	MDE45WB-8FFP-**
	Teal TPE AWM With Foil & Braided Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 7.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield to Coupling Nut	MDE45WB-8MFPS-**	MDE45WB-8MMPS-**	MDE45WB-8FFPS-**

Ethernet Series

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** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDE45-8MFP-1M becomes MDE45-8MFP-1M-SS)



Male Plug



Female Plug



Ethernet (M12) Series Etherplug Cordsets

4 Conductor Ethernet Series Cordsets, 24AWG



Double Ended Cordsets | 42 VDC, 1.5 amps | CAT5e | D-Coded | Twisted Pairs | IP67 Rating



Ethernet Series

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Male Faceview	Cables	Features	Shield Type	Male to RJ45	Female to RJ45
<p>M12 x 1</p>	Teal PVC AWM 4 X 24 AWG 42VDC, 1.5A -20°C to +80°C 6.1mm OD	Industry Standard PVC	Shield not Terminated	MDE45-4MP-RJ45-**	MDE45-4FP-RJ45-**
	Teal PUR AWM 4 X 24 AWG 42VDC, 1.5A -40°C to +80°C 5.6mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR	Shield not Terminated	MDE45P-4MP-RJ45-**	MDE45P-4FP-RJ45-**
	Teal PUR AWM With Foil & Braided Shield 4 X 24 AWG 42VDC, 1.5A -40°C to +80°C 6.4mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR Foil & Braided Shield	Shield not Terminated	MDE45PB-4MP-RJ45-**	MDE45PB-4FP-RJ45-**
	TPE AWM With Foil & Braided Shield 4 X 24 AWG 42VDC, 1.5A -40°C to +80°C 6.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield	Shield not Terminated	MDE45WB-4MP-RJ45-** (Teal) MDE45WB-4MP-RJ45-**-RD (Red)	MDE45WB-4FP-RJ45-** (Teal) MDE45WB-4FP-RJ45-**-RD (Red)

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. MDE45-4MP-RJ45-1M becomes MDE45-4MP-RJ45-1M-SS)

Red cable jacket is available only for TPE, for red cable jacket add a "-RD" suffix. (e.g. MDE45WB-4MSP-RJ45-1M becomes MDE45WB-4MSP-RJ45-1M-RD)

Mencom Standard Cable Color Code

MDE45		Color		RJ45
1		White/Orange		1
3		Orange		2
2		White/Green		3
4		Green		6



Male - RJ45 Extension



Female - RJ45 Extension



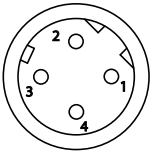
Ethernet (M12) Series Etherplug Cordsets

4 Conductor Ethernet Series Cordsets, 24AWG



Double Ended Cordsets | 42 VDC, 1.5 amps | CAT5e | D-Coded | Twisted Pairs | IP67 Rating



Male Faceview	Cables	Features	Shield Type	Male to RJ45	Female to RJ45	
 M12 x 1	Teal PUR AWM With Foil & Braided Shield 4 X 24 AWG 42VDC, 1.5A -40°C to +80°C 6.4mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR Foil & Braided Shield	Shield to Coupling Nut	MDE45PB-4MSP-RJ45-**	MDE45PB-4FSP-RJ45-**	
			Shield to RJ45	MDE45PB-4MP-RJ45S-**	MDE45PB-4FP-RJ45S-**	
			Shield to Coupling Nut & RJ45	MDE45PB-4MSP-RJ45S-**	MDE45PB-4FSP-RJ45S-**	
		TPE AWM With Foil & Braided Shield 4 X 24 AWG 42VDC, 1.5A -40°C to +80°C 6.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield	Shield to Coupling Nut	MDE45WB-4MSP-RJ45-**	MDE45WB-4FSP-RJ45-**
				Shield to RJ45	MDE45WB-4MP-RJ45S-**	MDE45WB-4FP-RJ45S-**
				Shield to Coupling Nut & RJ45	MDE45WB-4MSP-RJ45S-**	MDE45WB-4FSP-RJ45S-**

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDE45-4MP-RJ45-1M becomes MDE45-4MP-RJ45-1M-SS)

Red cable jacket is available only for TPE, for red cable jacket add a "RD" suffix. (e.g. MDE45WB-4MSP-RJ45-1M becomes MDE45WB-4MSP-RJ45-1M-RD)

Mencom Standard Cable Color Code

MDE45		Color		RJ45
1		White/Orange		1
3		Orange		2
2		White/Green		3
4		Green		6



Male - RJ45 Extension



Female - RJ45 Extension

Ethernet Series

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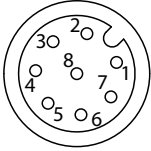
Ethernet (M12) Series Etherplug Cordsets

8 Conductor Ethernet Series Cordsets, 24/26AWG



Double Ended Cordsets | 42 VDC, 1.5 amps | CAT5e | A-Coded | Twisted Pairs | IP67 Rating



Male Faceview	Cables	Features	Shield Type	Male to RJ45	Female to RJ45
 <p>M12 x 1</p>	Teal PVC AWM 8 X 24 AWG 42VDC, 1.5A -20°C to +80°C 6.4mm OD	Industry Standard PVC	Shield not Terminated	MDE45-8MP-RJ45-**	MDE45-8FP-RJ45-**
	Teal PVC AWM With Foil & Braided Shield 8 X 24 AWG 60V, 2A -20°C to +80°C 7.6mm OD	Industry Standard PVC Foil & Braided Shield	Shield not Terminated	MDE45B-8MP-RJ45-**	MDE45B-8FP-RJ45-**
	Teal PUR AWM 8 X 24 AWG 42VDC, 1.5A -40°C to +80°C 6.3 mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR	Shield not Terminated	MDE45P-8MP-RJ45-**	MDE45P-8FP-RJ45-**
	Teal PUR With Foil & Braided Shield 8 X 26 AWG 42VDC, 1.5A -40°C to +75°C 6.3mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR Foil & Braided Shield	Shield not Terminated	MDE45PB-8MP-RJ45-**	MDE45PB-8FP-RJ45-**
	Teal TPE AWM With Foil & Braided Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 7.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield	Shield not Terminated	MDE45WB-8MP-RJ45-**	MDE45WB-8FP-RJ45-**

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

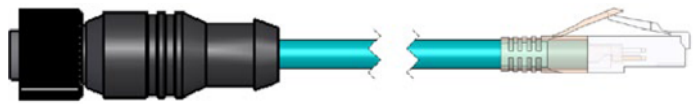
Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDE45-8MP-RJ45-1M becomes MDE45-8MP-RJ45-1M-SS)

Mencom Standard Cable Color Code

M12		Color		RJ45
6		White/Orange		1
4		Orange		2
1		White/Blue		5
7		Blue		4
5		White/Green		3
8		Green		6
2		White/Brown		7
3		Brown		8



Male - RJ45 Extension



Female - RJ45 Extension



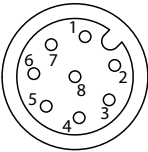
Ethernet (M12) Series Etherplug Cordsets

8 Conductor Ethernet Series Cordsets, 24/26AWG



Double Ended Cordsets | 42 VDC, 1.5 amps | CAT5e | A-Coded | Twisted Pairs | IP67 Rating



Male Faceview	Cables	Features	Shield Type	Male to RJ45	Female to RJ45	
 M12 x 1	Teal PUR With Foil & Braided Shield 8 X 26 AWG 60V, 2A -40°C to +75°C 6.3mm OD	Continuous-Flex Oil and Cutting Fluid Resistant Cut Resistant PUR Foil & Braided Shield	Shield to Coupling Nut	MDE45PB-8MSP-RJ45-**	MDE45PB-8FSP-RJ45-**	
			Shield to RJ45	MDE45PB-8MP-RJ45S-**	MDE45PB-8FP-RJ45S-**	
			Shield to Coupling Nut & RJ45	MDE45PB-8MSP-RJ45S-**	MDE45PB-8FSP-RJ45S-**	
		Teal TPE AWM With Foil & Braided Shield 8 X 24 AWG 60V, 2A -40°C to +80°C 7.6mm OD	Continuous-Flex Weld Slag Resistant TPE Foil & Braided Shield	Shield to Coupling Nut	MDE45WB-8MSP-RJ45-**	MDE45WB-8FSP-RJ45-**
				Shield to RJ45	MDE45WB-8MP-RJ45S-**	MDE45WB-8FP-RJ45S-**
				Shield to Coupling Nut & RJ45	MDE45WB-8MSP-RJ45S-**	MDE45WB-8FSP-RJ45S-**

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

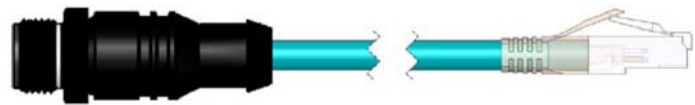
Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "SS" suffix. (e.g. MDE45-8FP-RJ45-1M becomes MDE45-8FP-RJ45-1M-SS)

Ethernet Series

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Mencom Standard Cable Color Code

M12	Color	RJ45
6	White/Orange	1
4	Orange	2
1	White/Blue	5
7	Blue	4
5	White/Green	3
8	Green	6
2	White/Brown	7
3	Brown	8



Male - RJ45 Extension



Female - RJ45 Extension



Ethernet Series Etherlink RJ45 Cordsets

8 Conductor Ethernet Series RJ45 Cordsets, 24AWG



RJ45 Cordsets | 42 VDC, 1.5 amps | IP67 Rating

Ethernet Series

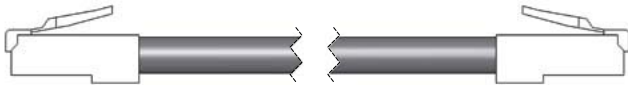
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# of Poles	Front View	Wire AWG Rating	Features	Shield Type	RJ45 Male to Male Plug	RJ45 Male to Male Plug with Strain Relief
8	<p>RJ45</p>	24 AWG 42 VDC 1.5 A	PVC	N/A	RJ45-*	RJ45-8MMP-**
			PVC Foil Shield	Shield not Terminated	RJ45S-*	RJ45S-8MMP-**
			PUR	N/A	RJ45P-**	RJ45P-8MMP-**
			PUR Foil & Braided Shield	Shield not Terminated	RJ45PB-**	RJ45PB-8MMP-**
				Shield to RJ45 Connectors	RJ45SP-**	RJ45SP-8MMP-**
			TPE Foil & Braided Shield	Shield not Terminated	RJ45WB-**	RJ45WB-8MMP-**
				Shield to RJ45 Connectors	RJ45SW-**	RJ45SW-8MMP-**

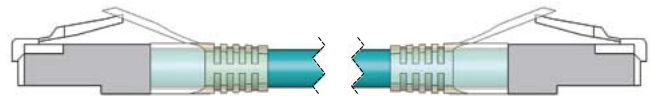
* Lengths in feet. Standard cable lengths are 1, 3, 7, 10, 15, 20, 25 & 50 feet. Consult factory for other lengths.

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

***Cable Specifications on Page L-22 do not apply to these cables.



RJ45 Male to Male Plug



RJ45 Male to Male Plug with Strain Relief

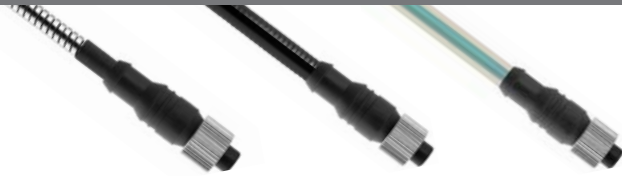


Ethernet (M12) Series Armored Cordsets

Connectivity Solutions for Harsh & Rugged Environments



Stainless Steel Armor | PVC Covered Jacket | Silicone Tube



Connector Body Style	Suffix Number	Description	Features
	A01	Stainless Steel with Cable Inside	Crush, Corrosion and Abrasion Resistant
	A03	PVC Covered Stainless Steel with Cable Inside	Water Tight Crush, Corrosion and Abrasion Resistant
	A50	Silicone Tube (Stops at Overmold)	Chemical and Weld Slag Resistant Hi-Temperature Resistant
	A51	Silicone Tube (Covers Overmold)	Chemical and Weld Slag Resistant Hi-Temperature Resistant

To specify Armored Cable, add a suffix number to the end of the part number (e.g. MDE45-4FP-1M becomes MDE45-4FP-1M-A03).

Why do I need this product?

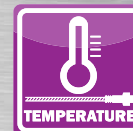
- To extend the life of existing assemblies in potentially destructive environments.
- Connectorize to make faster installation and future repairs.

Where are these products used?

Harsh & Rugged Environments exposed to Chemicals, Abrasions, High Temperature, Wash Down, Welding, Cutting, Marine Applications...

Ethernet Series

L





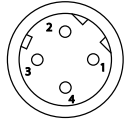
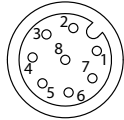
Ethernet (M12) Series Etherplug Field Wireable Plugs

4 Conductor Ethernet Series Field Wireable Plugs, 18-24AWG



Field Wireable Plugs | 4 Pole D-Coded | 8 Pole A-Coded | IP67 Rating



# of Poles	Male Faceview	Wire AWG Rating	Cable O.D. Range	Male plugs		Female Plugs	
				Straight	Right Angle	Straight	Right Angle
4	 M12 x 1	18-24 AWG 250V 4A	3-6.5 mm	MDE45-4MP-FW07	MDE45-4MP-FW07-R	MDE45-4FP-FW07	MDE45-4FP-FW07-R
			4-8 mm	MDE45-4MP-FW09	MDE45-4MP-FW09-R	MDE45-4FP-FW09	MDE45-4FP-FW09-R
8	 M12 x 1	18-24 AWG 250V 4A	3-6.5 mm	MDC-8MP-FW07	MDC-8MP-FW07-R	MDC-8FP-FW07	MDC-8FP-FW07-R
			4-8 mm	MDC-8MP-FW09	MDC-8MP-FW09-R	MDC-8FP-FW09	MDC-8FP-FW09-R

These connectors are easily wired by inserting the individual wires into the screw terminal contacts. The Connectors are water tight to IP 67 and are fully mateable with other D-Coded M12 connectors.

Ethernet Series

Straight Wireable Plugs

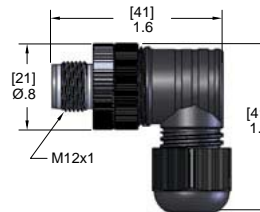
Right Angle Wireable Plugs



Male Plugs



Female Plugs



Male Plugs



Female Plugs

Specifications:

- Body: Black Polyamide
- Insulator: Black Polyamide
- Contacts: Copper Alloy with Gold Plating
- Coupling Nut: Nickel Plated Brass
- Seal: NBR
- Temperature: -25°C to +85°C (-13°F to +185°F)



Ethernet (M12) Series Etherplug Field Wireable Plugs

4 & 8 Conductor Ethernet Series Field Wireable Plugs, 18-24/20-24AWG

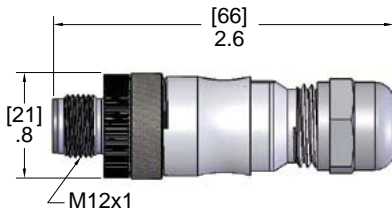


Straight Field Wireable Plugs | Shielded | 4 Pole D-Coded | 8 Pole A-Coded | IP67 Rating



# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Part Number	
					Male Plugs	Female Plugs
4	<p>M12 x 1</p>	250V 4A	18-24 AWG	3-9 mm	MDE45M-4MP-FW	MDE45M-4FP-FW
8	<p>M12 x 1</p>	50V 4A	20-24AWG	6-8 mm	MDCM-8MP-FW	MDCM-8FP-FW

These connectors are easily wired by inserting the individual wires into the screw terminal contacts. The Connectors are water tight to IP 67 and are fully mateable with other D-Coded M12 connectors.



Male Straight



Female Straight



Specifications:

Body: Nickel Plated Brass
 Insulator: Black Polyamide
 Contacts: Copper Alloy with Gold Plating

Coupling Nut: Nickel Plated Brass
 Seal: NBR
 Temperature: -25°C to +85°C (-13°F to +185°F)

Ethernet Series

L



Ethernet Series Accessories

4 & 8 Conductor Ethernet Series Accessory Cables



100' Cables | Raw Cable Spools | CAT5e | Twisted Pairs

Ethernet Series L

# of Conductors	Color Code	Wire AWG Rating	Features	DC Resistance	Continuous Flex	Part Number	
						100' Cable	Spool
4	White/Orange White/Green Orange Green	24 AWG Stranded 150V	Teal PVC AWM CMX/CMR -20°C to +80°C 6.1mm OD (0.24" OD)	≤ 89 Ω/Km	No	MDE45-4CBL-C	60C0001-*
			Teal PVC AWM CMX/CMR With Foil/Braided Shield -20°C to +80°C 6.6mm OD (0.26" OD)	≤ 89 Ω/Km	No	MDE45M-4CBL-C	60CS001-*
			Teal PUR AWM -40°C to +80°C 5.6mm OD (0.22" OD)	≤ 91 Ω/Km	Yes	MDE45P-4CBL-C	60CP001-*
			Teal PUR AWM With Foil/Braided Shield -40°C to +80°C 6.4mm OD (0.25" OD)	≤ 91 Ω/Km	Yes	MDE45PB-4CBL-C	60CSP01-*
			Teal TPE AWM CMX/CMR With Foil/Braided Shield -40°C to +80°C 6.6mm OD (0.26" OD)	≤ 140 Ω/Km	Yes	MDE45WB-4CBL-C	60CSW01-*
			Red TPE AWM CMX/CMR With Foil/Braided Shield -40°C to +80°C 6.6mm OD (0.26" OD)	≤ 140 Ω/Km	Yes	MDE45WB-4CBL-C-RD	60CSWR1-*
8	White/Blue White/Brown Brown Orange White/Green White/Orange Blue Green	24 AWG Stranded 60V	Teal PVC AWM CMX/CMR -20°C to +80°C 6.4mm OD (0.25" OD)	≤ 89 Ω/Km	No	MDE45-8CBL-C	60G0001-*
			Teal PVC AWM With Foil/Braided Shield -20°C to +80°C 7.6mm OD (0.29" OD)	≤ 89 Ω/Km	No	MDE45B-8CBL-C	60GS001-*
			Teal PUR AWM -40°C to +80°C 6.3mm OD (0.24" OD)	≤ 91 Ω/Km	Yes	MDE45P-8CBL-C	60GP001-*
		26 AWG Stranded 60V	Teal PUR CMX With Foil/Braided Shield -40°C to +75°C 6.3mm OD (0.24" OD)	≤ 140 Ω/Km	Yes	MDE45PB-8CBL-C	60GSP02-*
		24 AWG Stranded 60V	Teal TPE AWM CMX/CMR With Foil/Braided Shield -40°C to +80°C 7.6mm OD (0.30" OD)	≤ 86 Ω/Km	Yes	MDE45WB-8CBL-C	60GSW01-*

* Standard raw spool lengths are 0250, 0500, 0750 & 1000 feet. Consult factory for other lengths.

All testing is conducted off the reel and without connectors attached.
Cable Construction subject to change without notice.



Ethernet (M12) Series Etherplug Receptacles

Ethernet Series Receptacle Part Number Matrix



Not all options available with all receptacles, please consult factory.

MDE45 - - - - - - - -

Number of Conductors

- 4
- 8

Connector Configuration

- MR = Male Receptacle
- FR = Female Receptacle

RJ45

- Blank = No RJ45
- RJ45 = RJ45 Male on Second End
- RJ45S = RJ45 Shielded Male on Second End

Mounting Style

- 2 = Front Mount 1/2"-14 NPT
- 4 = Front Mount 1/4"-18 NPT
- PG9 = Front Mount PG 9 Threads
- M16 = Front Mount Metric 16 Threads
- M20 = Front Mount Metric 20 Threads
- BM = Back Mount
- TM = Through Panel Mount

Shell Material

- Blank = Aluminum or Nickel plated brass
- SS = Stainless Steel

Color Code

- Blank = Standard Color Code w/ Cable
- E45 = Discrete Wire Ethernet Color Code
- CC = Cross-Over Color Code

Length in Meters

Termination Type

- Blank = Pre-Wired
- PCB = PCB Mount
- PCB-R = PCB Right Angle



Ethernet (M12) Series Etherplug Receptacles

Ethernet Series Receptacle Index



Front Mount

Ethernet Series

L

<p>Front Mount, Male, 1/4"-18NPT, 12" Leads Page L-29</p>	<p>Front Mount, Female, 1/4"-18NPT, 12" Leads Page L-29</p>
<p>Front Mount, Male, 1/2"-14NPT, 12" Leads Page L-29</p>	<p>Front Mount, Female, 1/2"-14NPT, 12" Leads Page L-29</p>
<p>Front Mount, Male, PG 9, 12" Leads Page L-29</p>	<p>Front Mount, Female, PG 9, 12" Leads Page L-29</p>
<p>Front Mount, Male, M20, 12" Leads Page L-29</p>	<p>Front Mount, Female, M20, 12" Leads Page L-29</p>



<p>Front Mount, Male, 1/4"-18NPT, CAT5e Cable Page L-30</p>	<p>Front Mount, Female, 1/4"-18NPT, CAT5e Cable Page L-30</p>
<p>Front Mount, Male, 1/2"-14NPT, CAT5e Cable Page L-30</p>	<p>Front Mount, Female, 1/2"-14NPT, CAT5e Cable Page L-30</p>
<p>Front Mount, Male, PG 9, CAT5e Cable Page L-30</p>	<p>Front Mount, Female, PG 9, CAT5e Cable Page L-30</p>
<p>Front Mount, Male, M20, CAT5e Cable Page L-30</p>	<p>Front Mount, Female, M20, CAT5e Cable Page L-30</p>



Ethernet (M12) Series Etherplug Receptacles

Ethernet Series Receptacle Index



Front Mount | Back Mount

Ethernet Series L

<p>Front Mount, Male, 1/2"-14NPT to Male RJ45 Page L-31</p>	<p>Front Mount, Female, 1/2"-14NPT to Male RJ45 Page L-31</p>
<p>Back Mount, Male, 12" Leads Page L-32</p>	<p>Back Mount, Female, 12" Leads Page L-32</p>
<p>Back Mount, Male, CAT5e Cable Page L-32</p>	<p>Back Mount, Female, CAT5e Cable Page L-32</p>
<p>Male Back Mount MDE45 Male to Male RJ45 Page L-33</p>	<p>Female Back Mount MDE45 Female to Male RJ45 Page L-33</p>



PCB Mount, Male, Straight	PCB Mount, Female, Straight
<p>Page L-34</p> <p>Dimensions: [8.5] .33, [19.3] .76, [16.4] .65, [13.5] .53, [10.0] .39, [2.8] .11, [1.0] Ø.04, [12.3] Ø.48. Typical Panel Cutout.</p>	<p>Page L-34</p> <p>Dimensions: [8.5] .33, [19.3] .76, [16.4] .65, [13.9] .55, [2.6] .10, [2] .08, [12.3] Ø.48. Typical Panel Cutout.</p>
PCB Mount, Male, Right Angle	PCB Mount, Female, Right Angle
<p>Page L-34</p> <p>Dimensions: [8.50] .33, [19.25] .76, [16.44] .65, [4.60] .18, [3.05] .12, [12.3] Ø.48. Typical Panel Cutout.</p>	<p>Page L-34</p> <p>Dimensions: [8.50] .33, [19.25] .76, [16.44] .65, [13.88] .55, [3.05] .12, [12.3] Ø.48. Typical Panel Cutout.</p>
PCB Back Mount, Male	PCB Back Mount, Female
<p>Page L-34</p> <p>Dimensions: [19.1] .75, [20.1] .79, [2.2] .09, [11.2] .44, [3] .12, [1] .039, [1.6] .062, [5.7] .23, [7.65] R.301, [14.5] .57, [13.6] .54, [15.3] Ø.60.</p>	<p>Page L-34</p> <p>Dimensions: [19.1] .75, [19.1] .75, [16.6] .65, [4.83] .19, [13.3] Ø.53, [1.8] Ø.07, [3] .12, [1] Ø.039, [7.65] R.301, [14.5] .57, [13.6] .54, [15.3] Ø.60.</p>
Panel Mount, Male M12 to Female RJ45	Panel Mount, Female M12 to Female RJ45
<p>Page L-35</p> <p>Dimensions: [23] .9, [39.3] 1.55, [13.5] .53, [25.4] 1.0, [12.5] Ø.49. CUTOUT.</p>	<p>Page L-35</p> <p>Dimensions: [23] .9, [39.3] 1.5, [13.9] .55, [25.4] 1.0, [12.5] Ø.49. CUTOUT.</p>

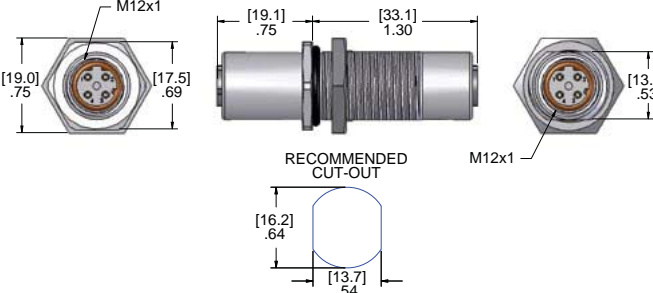
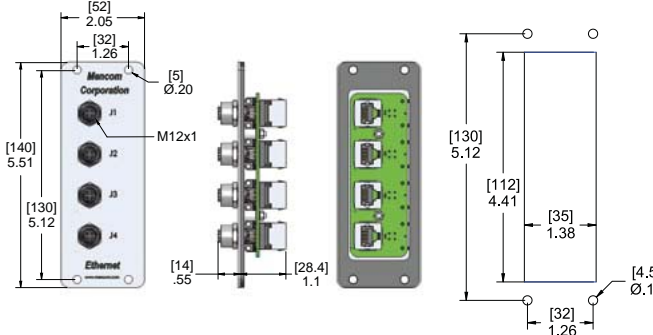
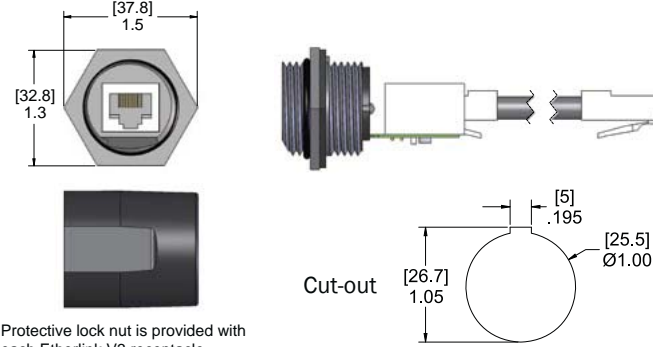
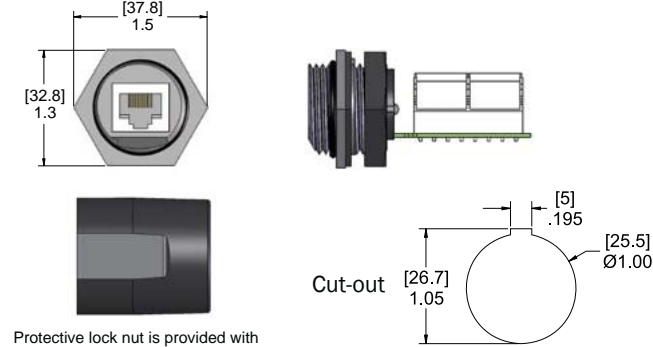
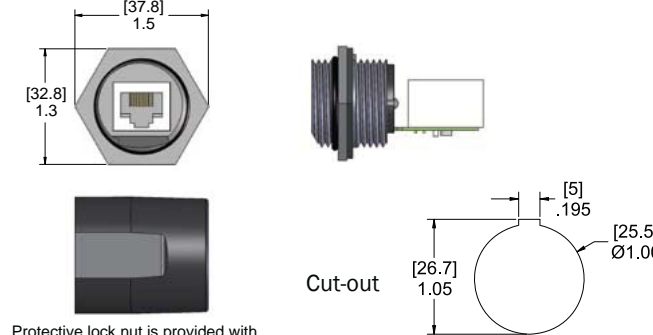
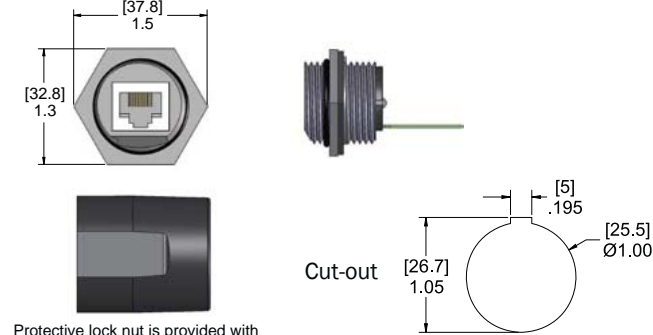


Ethernet (M12) Series Etherplug Receptacles

Ethernet Series Receptacle Index



Through Panel Mount | Panel Mount Adapter | Etherlink V3

Through Panel Mount Page L-36	Panel Mount Adapter, MDE45 to RJ45 Page L-38
 <p>Female to Female shown - Male to Female also available.</p>	
RJ45 Etherlink V3 Female to Male RJ45, CAT5e Cable Page L-40	RJ45 Etherlink V3 Female to 110 Puchdown Block Page L-40
 <p>Protective lock nut is provided with each Etherlink V3 receptacle.</p>	 <p>Protective lock nut is provided with each Etherlink V3 receptacle.</p>
RJ45 Etherlink V3 Female to Female RJ45 Receptacle Page L-40	RJ45 Etherlink V3 Field Wireable, Solder to Board Page L-40
 <p>Protective lock nut is provided with each Etherlink V3 receptacle.</p>	 <p>Protective lock nut is provided with each Etherlink V3 receptacle.</p>

Ethernet Series

L



Ethernet (M12) Series Etherplug Receptacles

4 & 8 Conductor Ethernet Series Receptacles, 24AWG



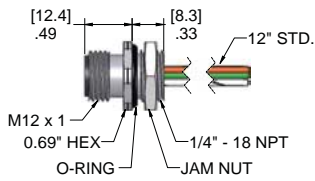
Front Mount Receptacles | NPT, PG, Metric Threads | 12" Leads | 300V, 4A | 60V, 2A | IP67 Rating



# of Poles	Male Faceview	Rating	Wire AWG	Threads	Male Receptacles	Female Receptacles
4 D-Coded	<p>M12 x 1</p>	300V 4A	22 AWG	1/4"-18NPT	MDE45-4MR-4-E45	MDE45-4FR-4-E45
				1/2"-14NPT	MDE45-4MR-2-E45	MDE45-4FR-2-E45
				PG9	MDE45-4MR-PG9-E45	MDE45-4FR-PG9-E45
				Metric	MDE45-4MR-M20-E45	MDE45-4FR-M20-E45
8 A-Coded	<p>M12 x 1</p>	60V 2A	24 AWG	1/4"-18NPT	MDC-8MR-4-E45	MDC-8FR-4-E45
				1/2"-14NPT	MDC-8MR-2-E45	MDC-8FR-2-E45
				PG9	MDC-8MR-PG9-E45	MDC-8FR-PG9-E45
				Metric	MDC-8MR-M20-E45	MDC-8FR-M20-E45

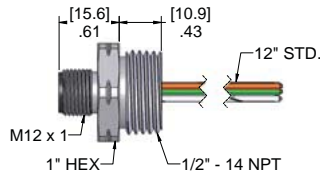
Etherplug receptacles with 12" leads or shorter come with discrete wires.
For 1/2" receptacles with lengths of 15" or longer O-ring and lock nut are included.

1/4"-18NPT Threads



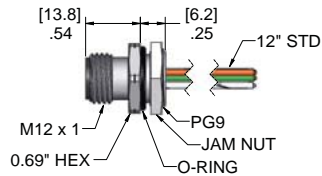
Male Receptacles

1/2"-14NPT Threads



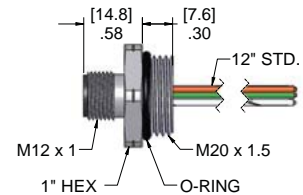
Male Receptacles

PG9 Threads

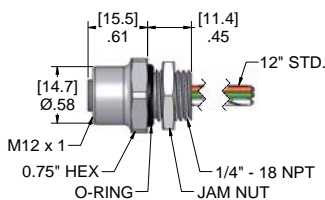


Male Receptacles

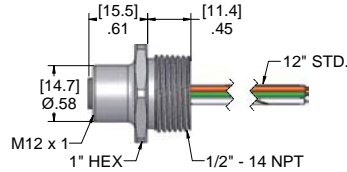
M20 Threads



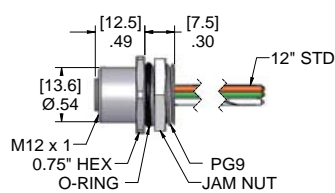
Male Receptacles



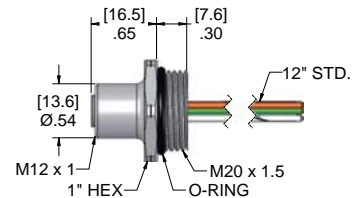
Female Receptacles



Female Receptacles



Female Receptacles



Female Receptacles

Specifications:

Shell: 1/4" NPT: Nickel Plated Brass
1/2" NPT: Clear Anodized Aluminum
PG 9: Nickel Plated Brass
M20: Clear Anodized Aluminum
Insulator: Polyamide
Wires: 24 AWG 60V, 2A

Contacts: Copper Alloy with Gold Plating
O-Ring: NBR
Lock Nut: Zinc Plated Brass
Jam Nut: Nickel Plated Brass
Temperature: -40°C to +80°C (-40°F to +176°F)



Ethernet (M12) Series Etherplug Receptacles

4 & 8 Conductor Ethernet Series Receptacles, 24AWG



Front Mount Receptacles | NPT, PG, Metric Threads | CAT5e Cable | 300V, 4A | 60V, 2A | IP67 Rating



# of Poles	Male Faceview	Rating	Wire AWG	Threads	Male Receptacles	Female Receptacles
4 D-Coded	<p>M12 x 1</p>	300V 4A	2 Pair 22 AWG	1/4"-18NPT	MDE45-4MR-4-**	MDE45-4FR-4-**
				1/2"-14NPT	MDE45-4MR-2-**	MDE45-4FR-2-**
				PG9	MDE45-4MR-PG9-**	MDE45-4FR-PG9-**
				M20	MDE45-4MR-M20-**	MDE45-4FR-M20-**
8 A-Coded	<p>M12 x 1</p>	60V 2A	4 Pair 24 AWG	1/4"-18NPT	MDE45-8MR-4-**	MDE45-8FR-4-**
				1/2"-14NPT	MDE45-8MR-2-**	MDE45-8FR-2-**
				PG9	MDE45-8MR-PG9-**	MDE45-8FR-PG9-**
				M20	MDE45-8MR-M20-**	MDE45-8FR-M20-**

** Lengths in meters.

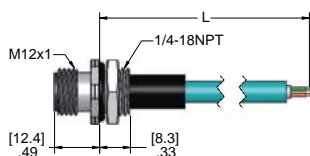
For 1/2" receptacles with lengths of 15" or longer O-ring and lock nut are included.

Etherplug receptacles with 12" leads or shorter come with discrete wires.

Ethernet Series

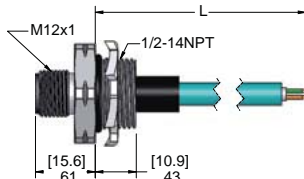
L

1/4"-18 NPT



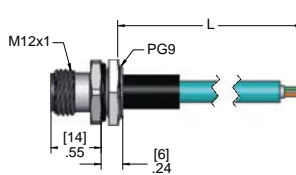
Male Receptacles

1/2"-14 NPT



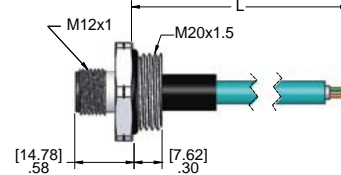
Male Receptacles

PG9 Threads

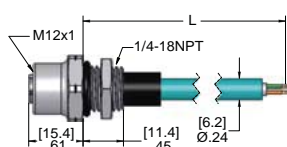


Male Receptacles

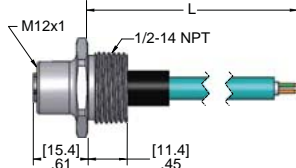
M20 Threads



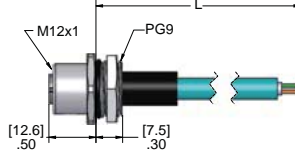
Male Receptacles



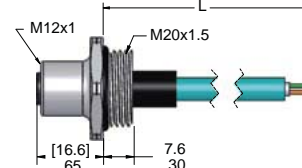
Female Receptacles



Female Receptacles



Female Receptacles



Female Receptacles

Specifications:

Shell: 1/4" NPT: Nickel Plated Brass
 1/2" NPT: Clear Anodized Aluminum
 PG 9: Nickel Plated Brass
 M20: Clear Anodized Aluminum
 Insulator: Polyamide
 Cable: See PVC Cable specifications on page L-22

Wires: 24 AWG 60V, 2A
 Contacts: Copper Alloy with Gold Plating
 O-Ring: NBR
 Lock Nut: Zinc Plated Brass
 Jam Nut: Nickel Plated Brass
 Temperature: -40°C to +80°C (-40°F to +176°F)



Ethernet (M12) Series Etherplug Receptacles

4 & 8 Conductor Ethernet Series Receptacles, 24AWG



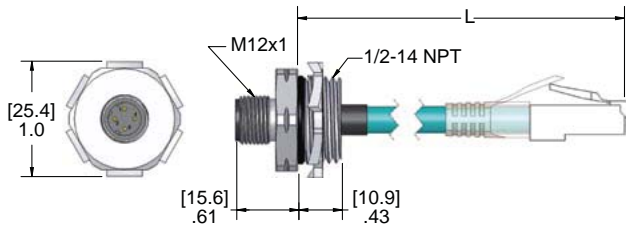
Front Mount M12 to RJ45 with CAT5e Cable | 1/2"-14NPT | 42 VDC, 1.5 amps | IP67 Rating

# of Poles	Male Faceview	Rating	Wire AWG	Wiring M12 to RJ45	Male Receptacles	Female Receptacles
4 D-Coded	 M12 x 1	42 VDC 1.5A	24 AWG	1 to 1 2 to 3 3 to 2 4 to 6	MDE45-4MR-RJ45-2-**	MDE45-4FR-RJ45-2-**
8 A-Coded	 M12 x 1	42 VDC 1.5A	24 AWG	1 to 5 2 to 7 3 to 8 4 to 2 5 to 3 6 to 1 7 to 4 8 to 6	MDE45-8MR-RJ45-2-**	MDE45-8FR-RJ45-2-**

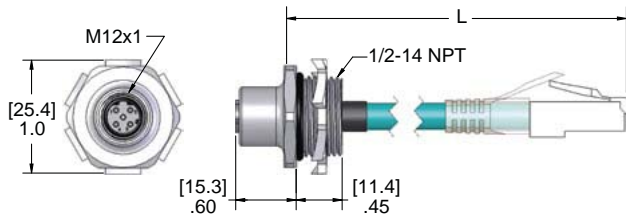
** Lengths in meters.

For Cross-over color code, add a "CC" suffix (e.g. MDE45-8MR-RJ45-BM-2M-CC).

Shielded versions are available. Please consult the factory.



Male Receptacles



Female Receptacles

Specifications:

- Shell: Clear Anodized Aluminum
- Insulator: Polyamide
- Cable: See specifications on page L-22
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Lock Nut: Zinc Plated Brass
- Temperature: -40°C to +80°C (-40°F to +176°F)

Mencom Standard Cable Color Code

MDE45		Color		RJ45
1		White/Orange		1
3		Orange		2
2		White/Green		3
4		Green		6

Mencom Standard Cable Color Code

M12		Color		RJ45
6		White/Orange		1
4		Orange		2
1		White/Blue		5
7		Blue		4
5		White/Green		3
8		Green		6
2		White/Brown		7
3		Brown		8

Ethernet Series

L



Ethernet (M12) Series Etherplug Receptacles

4 & 8 Conductor Ethernet Series Receptacles, 24AWG



Back Mount Receptacles | 12" Leads & CAT5e Cable | 60 Volt, 2 amps | IP67 Rating



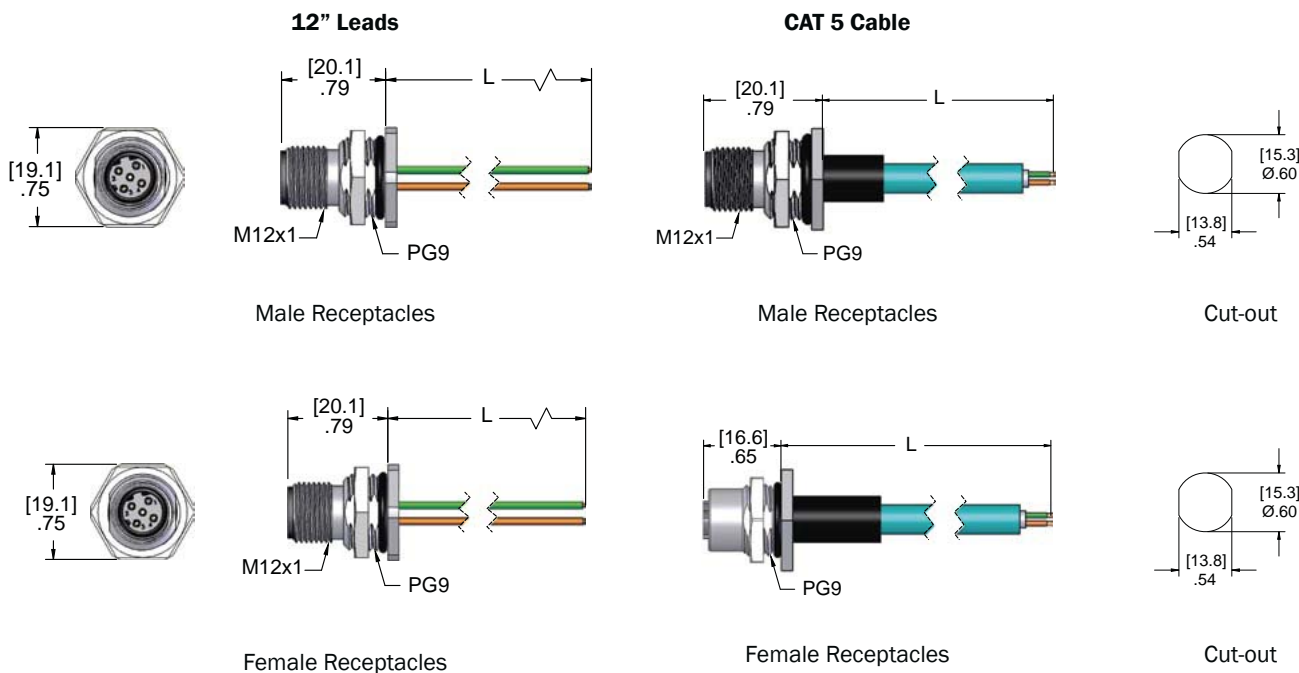
# of Poles	Male Faceview	Wire AWG Rating	12" Leads		CAT5e Cable	
			Male Receptacles	Female Receptacles	Male Receptacles	Female Receptacles
4 D-Coded	 M12 x 1	24 AWG 60V 2A	MDE45-4MR-BM-E45	MDE45-4FR-BM-E45	MDE45-4MR-BM-**	MDE45-4FR-BM-**
8 A-Coded	 M12 x 1	24 AWG 60V 2A	MDC-8MR-BM-E45	MDC-8FR-BM-E45	MDC-8MR-BM-**	MDC-8FR-BM-**

** Lengths in meters.

Etherplug receptacles with 12" leads or shorter come with discrete wires. Shielded versions are available. Please consult the factory.

Ethernet Series

L



Specifications:

Shell: Nickel Plated Brass
 Insulator: Polyamide
 Cable: See PVC Cable specifications on page L-22
 Wires: 24 AWG 60V, 2A

Contacts: Copper Alloy with Gold Plating
 O-Ring: NBR
 Jam Nut: Nickel Plated Brass
 Temperature: -40°C to +80°C (-40°F to +176°F)



Ethernet (M12) Series Etherplug Receptacles

4 & 8 Conductor Ethernet Series Receptacles, 24AWG



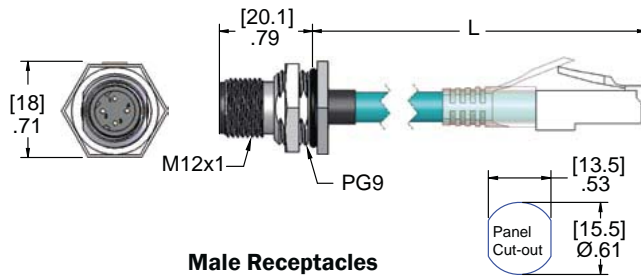
Back Mount Receptacles | CAT5e Cable | 60 Volt, 2 amps | IP67 Rating

# of Poles	Male Faceview	Rating	Wire AWG	Wiring M12 to RJ45	Male Receptacles	Female Receptacles
4 D-Coded	 M12 x 1	42 VDC 1.5A	24 AWG	1 to 1 2 to 3 3 to 2 4 to 6	MDE45-4MR-RJ45-BM-**	MDE45-4FR-RJ45-BM-**
8 A-Coded	 M12 x 1	42 VDC 1.5A	24 AWG	1 to 5 2 to 7 3 to 8 4 to 2 5 to 3 6 to 1 7 to 4 8 to 6	MDE45-8MR-RJ45-BM-**	MDE45-8FR-RJ45-BM-**

** Lengths in meters.

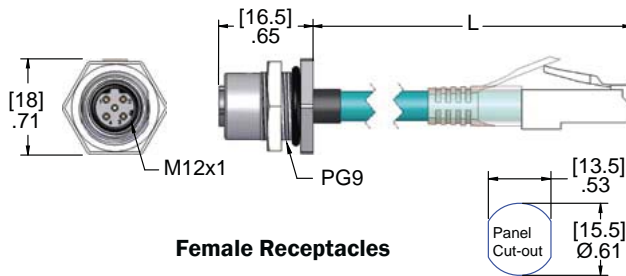
For Cross-over color code, add a "CC" suffix (e.g. MDE45-8MR-RJ45-BM-2M-CC).

Shielded versions are available. Please consult the factory.



Mencom Standard Cable Color Code

MDE45	Color	RJ45
1	White/Orange	1
3	Orange	2
2	White/Green	3
4	Green	6



Mencom Standard Cable Color Code

M12	Color	RJ45
6	White/Orange	1
4	Orange	2
1	White/Blue	5
7	Blue	4
5	White/Green	3
8	Green	6
2	White/Brown	7
3	Brown	8

Specifications:

- Shell: Nickel Plated Brass
- Insulator: Polyamide
- Cable: See specifications on page L-22
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Jam Nut: Nickel Plated Brass
- Temperature: -40°C to +80°C (-40°F to +176°F)

Ethernet Series

L



Ethernet (M12) Series Etherplug Receptacles

4 & 8 Conductor Ethernet Series Receptacles



PCB Mount & PCB Back Mount Receptacles | 250 Volt, 4 amps | IP67 Rating

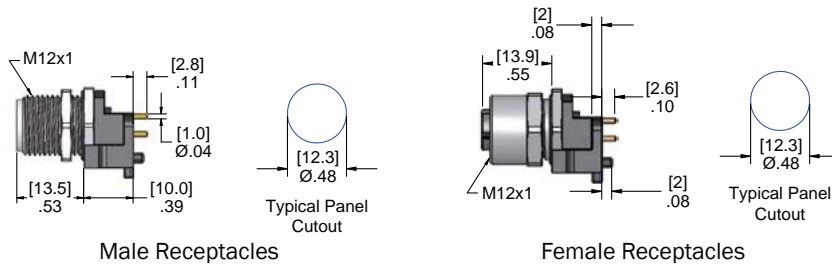


# of Poles	Male Faceview	Rating	Style	Male Receptacles	Female Receptacles
4 D-Coded	<p>M12 x 1</p>	250V 4A	Front Mount Straight	MDE45-4MR-PCB	MDE45-4FR-PCB
			Front Mount Right Angle	MDE45-4MR-PCB-R	MDE45-4FR-PCB-R
			Back Mount	MDE45-4MR-BM-PCB	MDE45-4FR-BM-PCB
8 A-Coded	<p>M12 x 1</p>	250V 4A	Front Mount Straight	MDE45-8MR-PCB	MDE45-8FR-PCB
			Front Mount Right Angle	MDE45-8MR-PCB-R	MDE45-8FR-PCB-R
			Back Mount	MDE45-8MR-BM-PCB	MDE45-8FR-BM-PCB

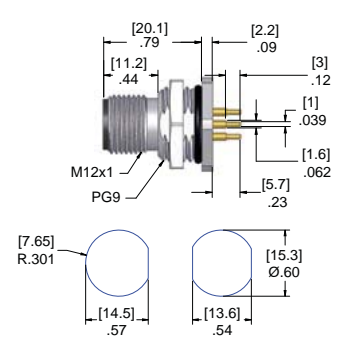
Ethernet Series

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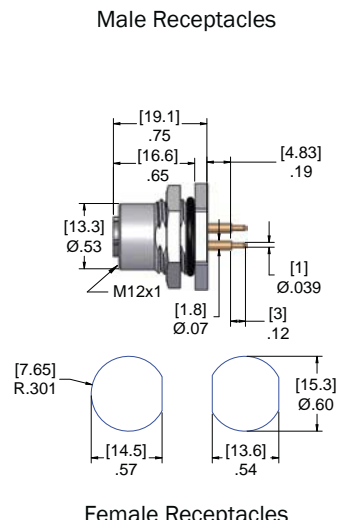
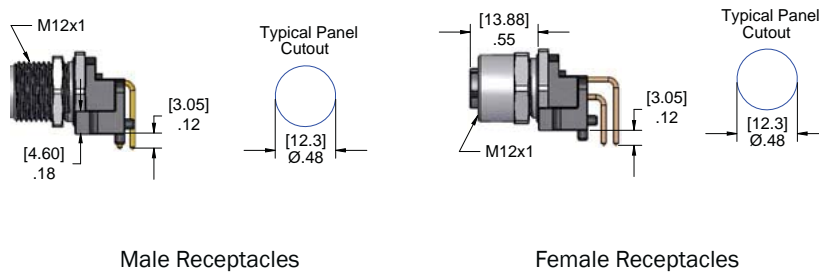
PCB Receptacles



PCB Back Mount Receptacles



PCB Receptacles Right Angle



Specifications:

- Body: Polyamide
- Contacts: Copper Alloy with Gold Plating
- Shell: Nickel Plated Brass
- O-Ring: NBR
- Jam Nut: Nickel Plated Brass
- Temperature: -40°C to 105°C (-40°F to +221°F)



Ethernet (M12) Series Etherplug Receptacles

4 & 8 Conductor Ethernet Series Receptacles

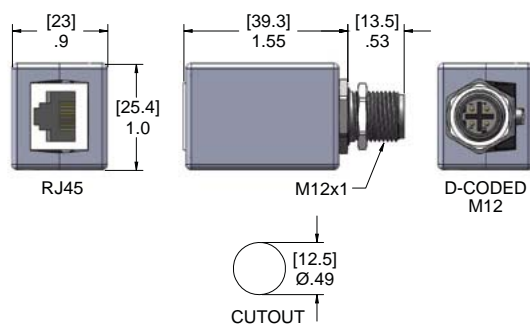


Through Panel Mount Receptacles | RJ45 to M12 D-Coded | IP67 Rating

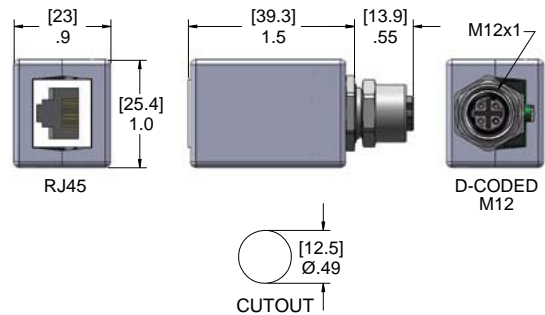
4 Pole D-Coded MDE45 to Female RJ45						
# of Poles	MDE45 Faceview	MDE45 Color Code	Wiring MDE45 to RJ45	RJ45 Color Code	Part Number	RJ45 Faceview
4 Male D-Coded	 M12 x 1	1. White/Orange (+TX) 2. White/Green (+RX) 3. Orange (-TX) 4. Green (-RX)	1 to 1 2 to 3 3 to 2 4 to 6	1. White/Orange (+TX) 2. Orange (-TX) 3. White/Green (+ RX) 4. N/C 5. N/C 6. Green (-RX) 7. N/C 8. N/C	MDE45RJ-4MFR-BM	 87654321 RJ45
4 Female D-Coded	 M12 x 1	1. White/Orange (+TX) 2. White/Green (+RX) 3. Orange (-TX) 4. Green (-RX)	1 to 1 2 to 3 3 to 2 4 to 6	1. White/Orange (+TX) 2. Orange (-TX) 3. White/Green (+ RX) 4. N/C 5. N/C 6. Green (-RX) 7. N/C 8. N/C	MDE45RJ-4FFR-BM	 87654321 RJ45
8 Pole A-Coded MDE45 to Female RJ45						
8 Male A-Coded	 M12 x 1	1. White/Blue 2. White/Brown 3. Brown 4. Orange (-TX) 5. White/Green (+RX) 6. White/Orange (+TX) 7. Blue 8. Green (-RX)	1 to 5 2 to 7 3 to 8 4 to 2 5 to 3 6 to 1 7 to 4 8 to 6	1. White/Orange (+TX) 2. Orange (-TX) 3. White/Green (+ RX) 4. Blue 5. White/Blue 6. Green (-RX) 7. White/Brown 8. Brown	MDE45RJ-8MFR-BM	 87654321 RJ45
8 Female A-Coded	 M12 x 1	1. White/Blue 2. White/Brown 3. Brown 4. Orange (-TX) 5. White/Green (+RX) 6. White/Orange (+TX) 7. Blue 8. Green (-RX)	1 to 5 2 to 7 3 to 8 4 to 2 5 to 3 6 to 1 7 to 4 8 to 6	1. White/Orange (+TX) 2. Orange (-TX) 3. White/Green (+ RX) 4. Blue 5. White/Blue 6. Green (-RX) 7. White/Brown 8. Brown	MDE45RJ-8FFR-BM	 87654321 RJ45

Ethernet Series

Male M12 to Female RJ45



Female M12 to Female RJ45



Specifications:

Housing: PBT
 Insulator: Polyamide
 Contacts: Copper Alloy with Gold Plating
 RJ45 Connector: CAT5e

O-Ring: NBR
 Jam Nut: Nickel Plated Brass
 Temperature: -40°C to +80°C (-40°F to +176°F)



Ethernet (M12) Series Etherplug Receptacles

4 & 8 Conductor Ethernet Series Receptacles & Solder Cup Inserts

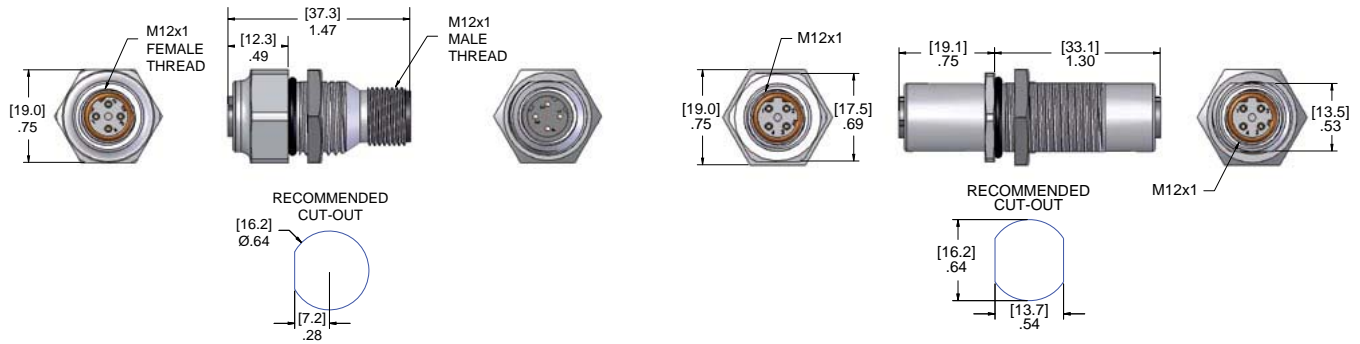


Through Panel Mount Receptacles | Solder Cup Inserts | IP67 Rating

Through Panel Mount Receptacles					
# of Poles	Rating	Wiring		Part Number	
				Male to Female	Female to Female
4 D-Coded	300 4A	1 to 1 2 to 2 3 to 3 4 to 4	MDE45-4MFR-TM		MDE45-4FFR-TM
			MDE45-8MFR-TM		MDE45-8FFR-TM
8 D-Coded	60V 2A	1 to 1 2 to 2 3 to 3 4 to 4	5 to 5 6 to 6 7 to 7 8 to 8	MDE45-8MFR-TM	
				MDE45-8FFR-TM	

Male to Female

Female to Female



Specifications:

Shell: Nickel Plated Brass
 Insulator: Polyamide
 Contacts: Copper Alloy with Gold Plating

O-Ring: NBR
 Jam Nut: Nickel Plated Brass
 Temperature: -40°C to 105°C (-40°F to +221°F)

Solder Cup Inserts					
# of Poles	Male Faceview	Rating	Wire AWG	Part Number	Housing Style
4	 M12 x 1	300V Max 4A Max	Up to 18 AWG	MDE45-4MR-IN-SC	
8	 M12 x 1	60V Max 2A Max	Up to 22 AWG	MDE45-8MR-IN-SC	

Specifications:

Insert: Black Polyamide
 Contacts: Copper Alloy with Gold Plating

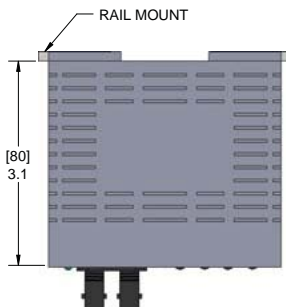
O-Ring: NBR
 Temperature: -40°C to 105°C (-40°F to +221°F)



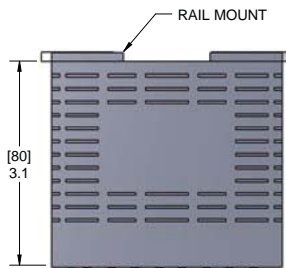
# of Poles	Unmanaged Switches	RJ45 Ports	Rating	LED Indicator	Technology	Part Number
8	5-Port Unmanaged Fast Ethernet Switches	4 x RJ45 Ports & 1 Optical ST/SC Port	60V 1A	Power, 10/100M, Data, Alarm	10/100 Base T(X) (RJ45) 100 BaseFX (SC/ST connector) Support IEEE 802.3/802.3u/802.3x Local area transmit distance of 2km with multi-mode fiber connections	E45UM-4-FM
	6-Port Unmanaged Fast Ethernet Switches	6 x RJ45 Ports	60V 1A	Power, 10/100M, Fault	10/100 Base T(X) (RJ45) Support IEEE 802.3/802.3u/802.3x	E45UM-6
	8-Port Unmanaged Fast Ethernet Switches	8 x RJ45 Ports	60V 1A	Power, 10/100M, Fault	10/100 Base T(X) (RJ45) Support IEEE 802.3/802.3u/802.3x	E45UM-8-MT

Ethernet Series

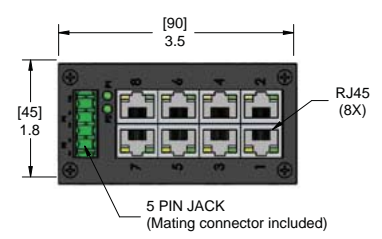
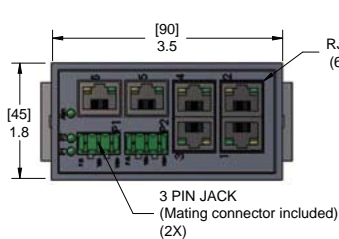
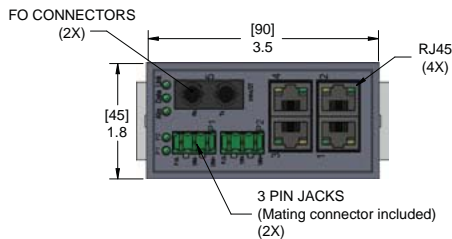
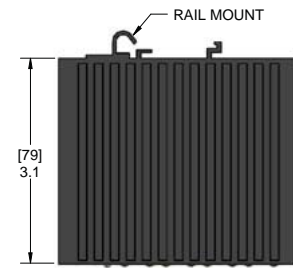
E45UM-4-FM



E45UM-6



E45UM-8-MT



Specifications:

Ethernet: RJ45 Ports for 10/100BaseT(X) auto negotiation speed
Full/Half-duplex mode, and auto MDI/MDI-X connection

Temperature: -0°C to 60°C (-32°F to +140°F)

Humidity: 5 ~ 95%, (non-condensing)

Power Req.: Input Voltage: 9~30 VDC, Dual inputs
Input Current (@24V): 0.35A
Connector: Removable 3-pin Terminal Block for power input
Reverse Polarity Protection: Present



Ethernet (M12) Series Etherplug Receptacles

4 & 8 Conductor Ethernet Series Panel Mount Adapter

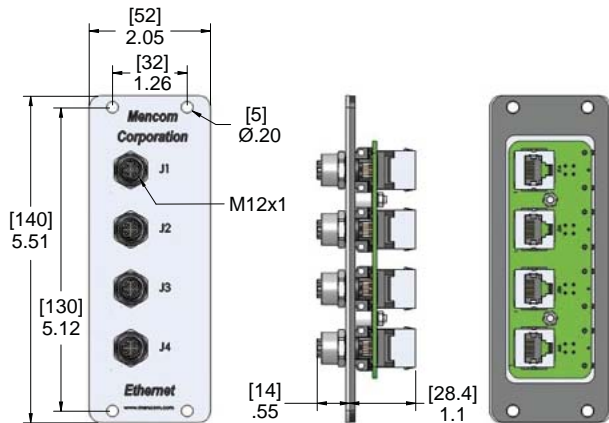


Panel Mount Adapter

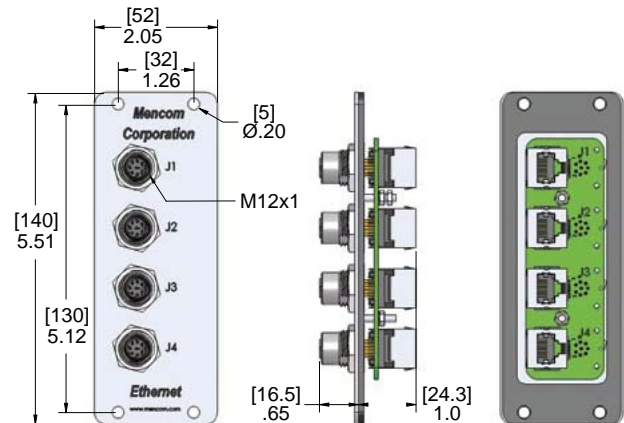
M12 4 Pole to RJ45 Panel Mount Adapters				
# of Poles	Female Faceview	Wiring MDE45	Part Number	RJ45 Faceview
4 D-Coded	 M12 x 1 1 = White/Orange (+ TX) 2 = White/Green (+ RX) 3 = Orange (- TX) 4 = Green (- RX)	1 to 1 2 to 3 3 to 2 4 to 6	D24-4MDE45-4FR-RJ45	 87654321 1 = White/Orange (+ TX) 2 = Orange (- TX) 3 = White/Green (+ RX) 4 = N/C 5 = N/C 6 = Green (- RX) 7 = N/C 8 = N/C
M12 8 Pole to RJ45 Panel Mount Adapters				
8 A-Coded	 M12 x 1 1 = White/Blue 2 = White/Brown 3 = Brown 4 = Orange (-TX) 5 = White/Green (+RX) 6 = White/Orange (+TX) 7 = Blue 8 = Green (-RX)	1 to 5 2 to 7 3 to 8 4 to 2 5 to 3 6 to 1 7 to 4 8 to 6	D24-4MDE45-8FR-RJ45	 87654321 1 = White/Orange (+ TX) 2 = Orange (- TX) 3 = White/Green (+ RX) 4 = N/C 5 = N/C 6 = Green (- RX) 7 = N/C 8 = N/C

Ethernet Series

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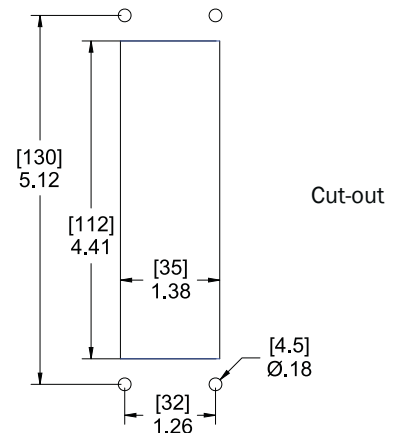
D24-4MDE45-4FR-RJ45



D24-4MDE45-8FR-RJ45

Specifications:

- Plate: Stainless Steel
- M12 Coupling: Nickel Plated Brass
- M12 Insert: Polyamide
- Contacts: Copper Alloy with Gold Plating
- O-Rings: NBR
- Gasket: PVC NBR
- RJ45 Connector: CAT5e
- Mounting Screws: #8 or M4 Screws
- Shielding: Shield connected between M12 Housing and RJ45 Connector
- Temperature: -40°C to +80°C (-40°F to +176°F)





Ethernet Series Etherlink V3

8 Conductor Ethernet Series V3 Cordsets & Field Wireable Plugs, 24AWG



Field Wireable Plugs | Single & Double Ended Male Cordsets | IP67 Rating

Field Wireable Plugs	Part Number	Housing Specifications	Front View
	E45V3-8MP-FW	Coupling Nut : Black Anodized Aluminum Body : Black Polyamide O-Ring : NBR Grommets : NBR & TPE Temperature : -25°C to +85°C	

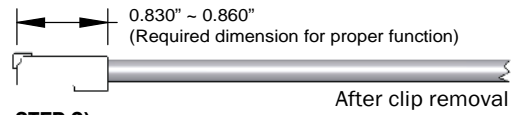
Patented by Mencom Corporation

It is recommended that quality Mencom cables are used with the field wireable connectors to assure an accurate fit. However, if using another brand, the dimensions of the connector must meet the dimensions shown below.

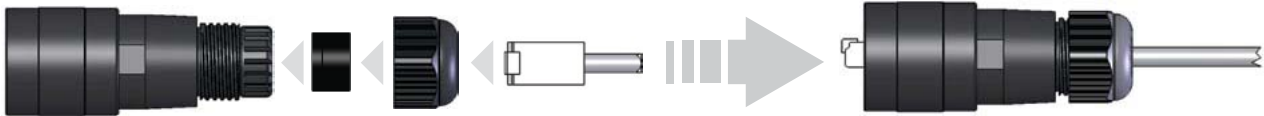
Assembly Instructions



STEP 1)
Remove clip by cutting or by bending it back and forth until it breaks.



STEP 2)
With connector unassembled, push cable through dome nut, split apart the grommet and wrap it around the cable, then push the cable through the connector body.



STEP 3)
Push grommet back into the "fingers" of the shell. Rotate cable 90 degrees and pull it back into the connector until it stops. With slight tension on cable, tighten dome nut (3.75Nm recommended).

Ethernet Series

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E45V3 to Cable				
# of Poles	Front View	Part Number		Housing Style
		PVC Male	PUR Male	
8		E45V3-8MP-**	E45V3P-8MP-**	
E45V3 to RJ45				
8		E45V3-8MP-RJ45-**	E45V3P-8MP-RJ45-**	
E45V3 Male to Male Extension Cables				
8		E45V3-8MMP-**	E45V3P-8MMP-**	

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.



Ethernet Series Etherlink V3

8 Conductor Ethernet Series Receptacles, 24AWG



Female Front Mount Receptacles | 42 VDC, 1.5 amps | IP67 Rating

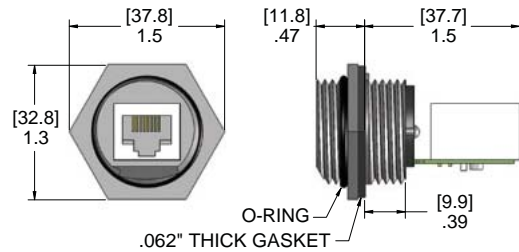
Ethernet Series

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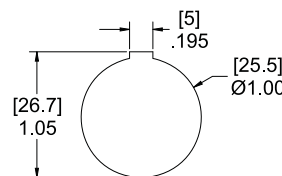
Etherlink V3 Female Receptacle to Male Plug with CAT5e Cable						
# of Poles	Front View	Rating	Wire AWG	Cap (E45V3-CAP)	Part Number	Housing Style
8		60V 1A	24	Not Included	E45V3-8FMR-*-M25	
				Included	E45V3-8FMR-*-M25-CP	
Etherlink V3 Female Receptacle to 110 Punchdown Block						
8		N/A	20-26	Not Included	E45V3-8FMR-110-M25	
				Included	E45V3-8FMR-110-M25-CP	
Etherlink V3 Female Receptacle to Female Receptacles						
8		N/A	N/A	Not Included	E45V3-8FFR-M25	
				Included	E45V3-8FFR-M25-CP	
Etherlink V3 Field Wireable to Female Receptacle Solder to Board						
8		N/A	N/A	Not Included	E45V3-8FR-FW-M25	
				Included	E45V3-8FR-FW-M25-CP	

* Length in feet. Standard cable lengths are 1, 3, 7, 10 & 15 feet. Consult factory for other lengths.

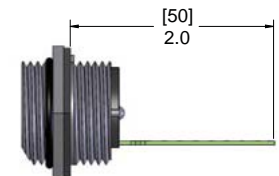
Etherlink V3 Accessories	
Cap	Part Number
	E45V3-CAP
Protective Lock Nut	
	Protective lock nut provided with each receptacle.



Ethernet V3 Receptacle



Cut-out



Ethernet V3 Field Wireable

Specifications:

Insulator: Polyamide
 Cable: CAT5e with PVC Jacket
 Contacts: Copper Alloy with Gold Plating
 O-Ring: NBR
 Temperature: -40°C to +80°C (-40°F to +176°F)

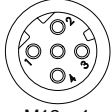
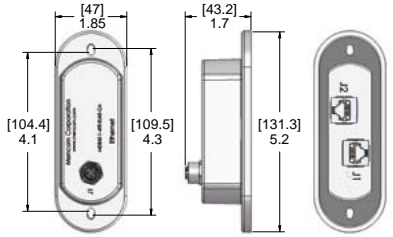
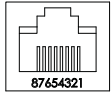
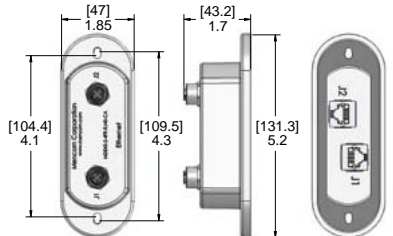
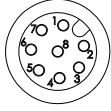
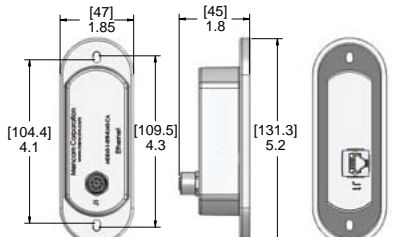
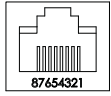
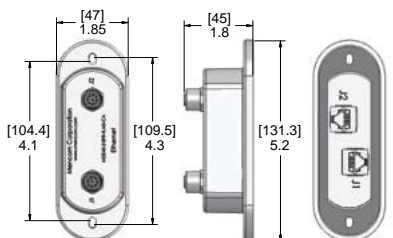


Ethernet Series Conduit Adapters

4 & 8 Conductor Ethernet Series Conduit Adapters



Conduit Adapters | 1 & 2 Port | M12 to RJ45 | IP67 Rating

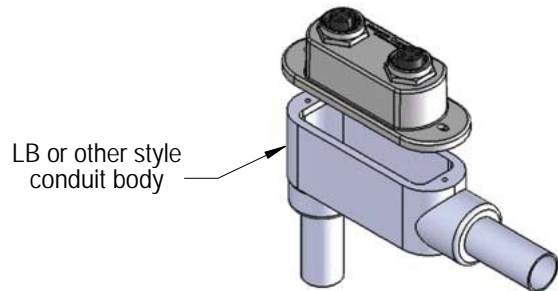
# of Poles	Female Faceview	# of Ports	Part Number	Top View
4 D-Coded	 <p>M12 x 1</p> <p>1 = White/Orange (+ TX) 2 = White/Green (+ RX) 3 = Orange (- TX) 4 = Green (- RX)</p>	1 Port	MDE45-1-4FR-RJ45-CA	
	 <p>87654321</p> <p>1 = White/Orange (+ TX) 2 = Orange (- TX) 3 = White/Green (+ RX) 4 = N/C 5 = N/C 6 = Green (- RX) 7 = N/C 8 = N/C</p>	2 Port	MDE45-2-4FR-RJ45-CA	
8 A-Coded	 <p>M12 x 1</p> <p>1 = White/Blue 2 = White/Brown 3 = Brown 4 = Orange (-TX) 5 = White/Green (+RX) 6 = White/Orange (+TX) 7 = Blue 8 = Green (-RX)</p>	1 Port	MDE45-1-8FR-RJ45-CA	
	 <p>87654321</p> <p>1 = White/Orange (+TX) 2 = Orange (-TX) 3 = White/Green (+RX) 4 = Blue 5 = White/Blue 6 = Green (-RX) 7 = White/Brown 8 = Brown</p>	2 Port	MDE45-2-8FR-RJ45-CA	

Ethernet Series

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Specifications:

- Housing: Glass Filled PBT
- Recp. Shell: Nickel Plated Brass
- Insert: Polyamide
- Contacts: Copper Alloy with Gold Plating
- Gasket: NBR
- Temperature: -40°C to +70°C (-40°F to +158°F)



Remove existing Conduit Body cover and replace with Mencom Conduit Adapter.

Works with all standard 3/4" NPT conduit bodies, including Form 8 and Mark 9 adapters. (screws are included with adapter)



Ethernet Series Conduit Adapters

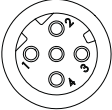
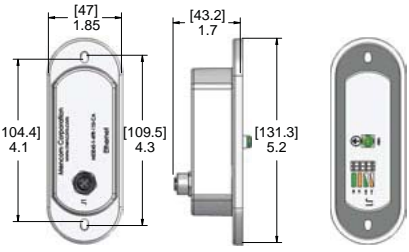
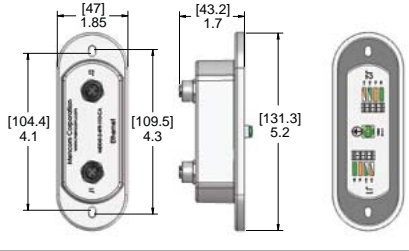
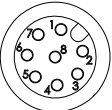
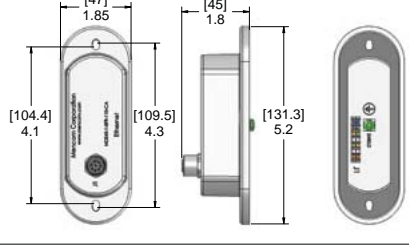
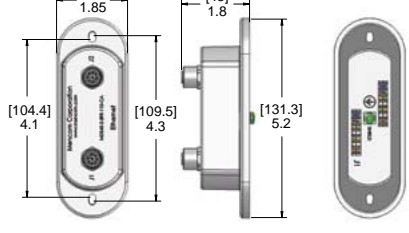
4 & 8 Conductor Ethernet Series Conduit Adapters



Conduit Adapters | 1 & 2 Port | M12 to 110 Punchdown | IP67 Rating

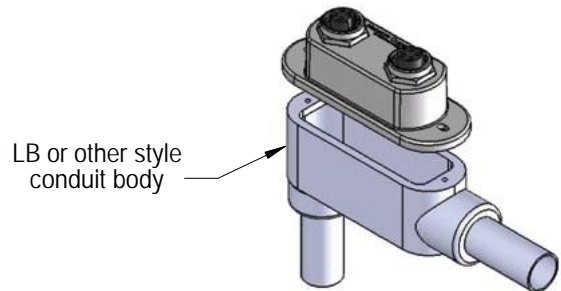
Ethernet Series

L

# of Poles	Female Faceview	# of Ports	Part Number	Top View
4 D-Coded	 M12 x 1 1 = White/Orange (+ TX) 2 = White/Green (+ RX) 3 = Orange (- TX) 4 = Green (- RX)	1 Port	MDE45-1-4FR-110-CA	
		2 Port	MDE45-2-4FR-110-CA	
8 A-Coded	 M12 x 1 1 = White/Blue 2 = White/Brown 3 = Brown 4 = Orange (-TX) 5 = White/Green (+RX) 6 = White/Orange (+TX) 7 = Blue 8 = Green (-RX)	1 Port	MDE45-1-8FR-110-CA	
		2 Port	MDE45-2-8FR-110-CA	

Specifications:

- Housing: Glass Filled PBT
- Recp. Shell: Nickel Plated Brass
- Insert: Polyamide
- Contacts: Copper Alloy with Gold Plating
- Gasket: NBR
- Temperature: -40°C to +70°C (-40°F to +158°F)



Remove existing Conduit Body cover and replace with Mencom Conduit Adapter.

Works with all standard 3/4" NPT conduit bodies, including Form 8 and Mark 9 adapters. (screws are included with adapter)



Housing Style	Entry	Part Number
<p>CAT5e RJ45 Jack Interior & Exterior</p>	Side Entry	RJ45-CKIT
<p>CAT5e RJ45 Jack Interior & Exterior</p>	Top Entry	RJ45-CVKIT

Ethernet Series

L

These units are designed to be used with Mencom RJ45 Patch Cords:

- Part Numbers: RJ45-03 3 foot patch cord
 RJ45-07 7 foot patch cord
 RJ45-10 10 foot patch cord
 RJ45-15 15 foot patch cord

Other lengths are available, please consult the factory.



Ethernet Series Accessories

Ethernet Series RJ45 Field Wireable Connector Accessories & Tools



RJ45 Plugs | Strain Relief | Boots | Crimp Tool



Ethernet Series

L

Style	Max Cable O.D.	Part Number	Description	Conductors O.D Range
	6.1 mm (0.24")	RJ45-EZ5-FW	24 & 26 AWG Cat 5/5e male RJ45 connector	0.94 mm ~ 1.04 mm (0.037" ~ 0.041")
	6.6 mm (0.26")	RJ45S-EZ5-FW	Shielded Cat 5/5e/6 male RJ45 connector	0.94 mm ~ 1.04 mm (0.037" ~ 0.041")
	10.5mm (0.41")	RJ45-PN-FW	Shielded CAT 6A Straight Plug Field Wireable Ethernet/Profinet	Stranded: 0.46 mm ~ 0.76 mm (0.018" ~ 0.029") Solid: 0.40mm ~ 0.64mm (0.015" ~ 0.025")
		RJ45-PN-FW-R	Shielded CAT 6A Right Angle Plug Field Wireable Ethernet/Profinet	
	6.6 mm (0.26")	RJ45-EZ5-SR-CL	Clear Cat 5e cable strain relief for RJ45-EZ and RJ45S-EZ	N/A
	5.5 mm (0.22")	RJ45-BT-5.5-BK	RJ45 Black Boot	N/A
	6 mm (0.24")	RJ45-BT-6.0-BK		
	6.5 mm (0.26")	RJ45-BT-6.5-BK		
	7 mm (0.28")	RJ45-BT-7.0-BK		
	8 mm (0.31")	RJ45-BT-8.0-BK		
	N/A	RJ45-EZ-CT	Crimp Tool for RJ45-EZ & RJ45S-EZ connectors	N/A

RJ45 Crimp Instructions

- Strip off approximately two inches of outer cable jacket.
- Untwist and straighten wires. Place in the desired order for wiring. (see wiring chart)
- Trim wire ends so all conductors are the same length.
- Insert wires into the connector and pull connector down over the cable jacket. Cable jacket should seat snugly in rear of connector.
- Push the connector into the crimp tool, making sure it is fully seated in the crimp cavity.
- Crimp the connector and break off any remaining loose wires.



Typical T568A / T568B Wiring Chart		
Wire	T568A	T568B
1	White/Green	White/Orange
2	Green	Orange
3	White/Orange	White/Green
4	Blue	Blue
5	White/Blue	White/Blue
6	Orange	Green
7	White/Brown	White/Brown
8	Brown	Brown



Foundation Fieldbus

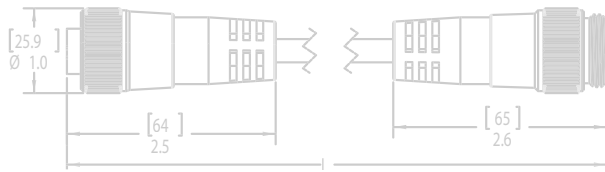
H1/High Speed Ethernet

Over-Molded Cordsets | Receptacles | Field Wireables | Accessories

UL File #:
E149111

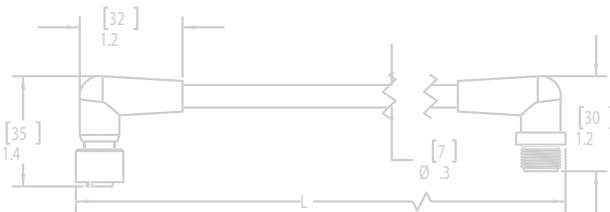


The Foundation Fieldbus architecture provides a communications protocol for control and instrumentation systems. Each device has its own "intelligence" and communicates via a two-way communications system. Cables are made to the architecture standards, but the connectivity is based on standard M12 and MIN connectors which utilize stainless steel coupling nuts.



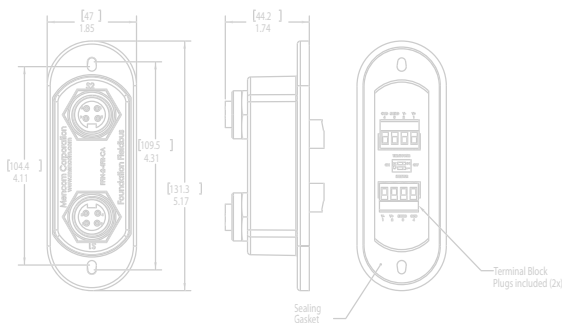
H1

H1 generally connects to field devices. It provides communication and power over standard twisted-pair wiring. H1 is currently the most common implementation.



High Speed Ethernet

High-speed Ethernet (HSE) generally connects input/output subsystems, host systems, linking devices, gateways, and field devices using standard Ethernet cabling. It doesn't currently provide power over the cable.



Foundation Fieldbus Series

M

Foundation Fieldbus

H1/High Speed Ethernet



Contents

Cordsets	Part Number Matrix	M-3	
	Single Ended	M-4	
	Double Ended	M-5	
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“T” Connectors		M-7	
Terminating Plugs		M-8	
Receptacles	Part Number Matrix	M-9	
	Index	M-10	
	Front Mount	1/2"-14NPT	M-11
		PG9	M-12
		M20	M-12
Conduit Adapters		M-13	



Foundation Fieldbus Series Cordsets

Foundation Fieldbus MIN/MDC Cordset Part Number Matrix



Not all options available with all cordsets, please consult factory.

FF - 4 - - - SS

Cordset Type

IN = MIN Cordset
DC = MDC Cordset

R/A or Straight

Blank = Straight
R = Right Angle**

** If single ended cable, right angle connector to flying leads
If double ended cable, right angle on both connectors

Connector Configuration

MPX = Male Plug - 18awg
FPX = Female Plug - 18awg
MFPX = Male / Female Extension - 18awg

Length in Meters

1M
2M
4M
5M
6M
10M
15M

Other lengths are available by request.



Foundation Fieldbus Series MIN/MDC Cordsets

4 Conductor Foundation Fieldbus MIN/MDC Cordsets, 18AWG



Straight Cordsets | 300 Volt, 10 amps | 300 Volt, 4 amps | IP67 Rating



Foundation Fieldbus Series

M

MIN (7/8" 16UN) Cordsets					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	FFIN-4MPX-**-SS	Orange PVC ITC-ER With Foil Shield 2 X 18 AWG 300V, 10A -40°C to +105°C 7.2mm OD	Crush Proof Industry Standard PVC Stainless Steel Coupling Nut Foil Shield	1. Blue(-) 2. Orange(+) 3. Shield 4. N/C	<p>7/8"-16UN2</p>
	FFDC-4MPX-**-SS	Orange PVC ITC-ER With Foil Shield 2 X 18 AWG 1 x 22 AWG (Drain) 300V, 10A -40°C to +105°C 7.2mm OD	Crush Proof Industry Standard PVC Stainless Steel Coupling Nut Foil Shield	1. Blue(-) 2. Orange(+) 3. Shield 4. N/C	<p>7/8"-16UN2</p>
MDC (M12) Cordsets					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	FFIN-4FPX-**-SS	Orange PVC ITC-ER With Foil Shield 2 X 18 AWG 1 x 22 AWG (Drain) 300V, 4A -40°C to +105°C 7.2mm OD	Crush Proof Industry Standard PVC Stainless Steel Coupling Nut Foil Shield	1. Blue(-) 2. Orange(+) 3. Shield 4. N/C	<p>M12 x 1</p>
	FFDC-4FPX-**-SS	Orange PVC ITC-ER With Foil Shield 2 X 18 AWG 1 x 22 AWG (Drain) 300V, 4A -40°C to +105°C 7.2mm OD	Crush Proof Industry Standard PVC Stainless Steel Coupling Nut Foil Shield	1. Blue(-) 2. Orange(+) 3. Shield 4. N/C	<p>M12 x 1</p>

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

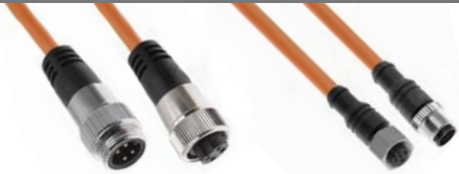


Foundation Fieldbus Series MIN/MDC Cordsets

4 Conductor Foundation Fieldbus MIN/MDC Cordsets, 18AWG

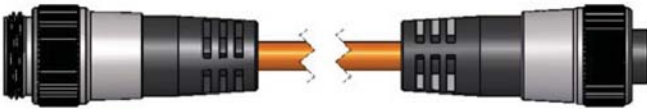


Double Ended Cordsets | 300 Volt, 10 amps | 300 Volt, 4 amps | IP67 Rating

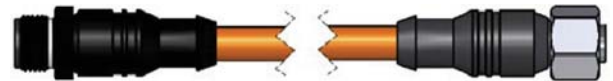


MIN Male to Female Extension					
Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
<p>7/8"-16UN2</p>	FFIN-4MFPX-**-SS	Orange PVC ITC-ER With Foil Shield 2 X 18 AWG 1 x 22 AWG (Drain) 300V, 10A -40°C to +105°C 7.2mm OD	Crush Proof Industry Standard PVC Stainless Steel Coupling Nut Foil Shield	1. Blue(-) 2. Orange(+) 3. Shield 4. N/C	<p>7/8"-16UN2</p>
MDC Male to Female Extension					
<p>M12 x 1</p>	FFDC-4MFPX-**-SS	Orange PVC ITC-ER With Foil Shield 2 X 18 AWG 1 x 22 AWG (Drain) 300V, 10A -40°C to +105°C 7.2mm OD	Crush Proof Industry Standard PVC Stainless Steel Coupling Nut Foil Shield	1. Blue(-) 2. Orange(+) 3. Shield 4. N/C	<p>M12 x 1</p>

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.



MIN Male to Female Extension



MDC Male to Female Extension

Foundation Fieldbus Series

M



Foundation Fieldbus Series Field Wireable Plugs



4 Conductor Foundation Fieldbus Field Wireable Plugs

Straight Field Wireable Plugs | MIN & MDC | 600V, 15A Max | 250V, 4A Max | IP67 Rating

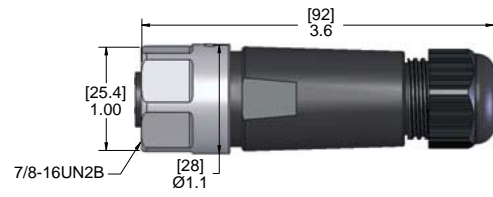


MIN Field Wireable Plugs						
# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Part Number	
					Male Plugs	Female Plugs
4	 7/8"-16UN2	600V 15A MAX	14-22 AWG	5-13 mm	FFIN-4MPM-FW-SS	FFIN-4FP-FW-SS
				8-17 mm	FFIN-4MPM-FWX-SS	FFIN-4FP-FWX-SS

Connection via screw terminal. Voltage and amperage ratings are cable dependent and are based on 600V, 14 AWG cable. Cables with lower voltage ratings and smaller conductors will lower these ratings.



Male Straight with Male Threads



Female Straight with Female Threads

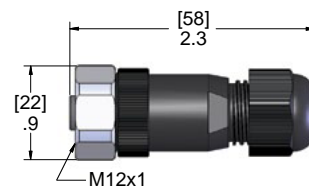
Foundation Fieldbus Series

M

MDC Field Wireable Plugs						
# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Part Number	
					Male Plugs	Female Plugs
4	 M12 x 1	250V 4A	18-24 AWG	3-6.5 mm	FFDC-4MP-FW07-SS	FFDC-4FP-FW07-SS
				4-8 mm	FFDC-4MP-FW09-SS	FFDC-4FP-FW09-SS
				8-10 mm	FFDC-4MP-FW11-SS	FFDC-4FP-FW11-SS



Male Straight with Male Threads



Female Straight with Female Threads

Specifications:

Body:	Polyamide	Insert:	PVC
Contacts:	Copper Alloy with Gold Plating	Connections:	Screw Terminals
Coupling Nut:	Stainless Steel	Temperature:	-40°C to +90°C (-40°F to +194°F)
O-Ring:	NBR		



Foundation Fieldbus Series MIN/MDC Connectors

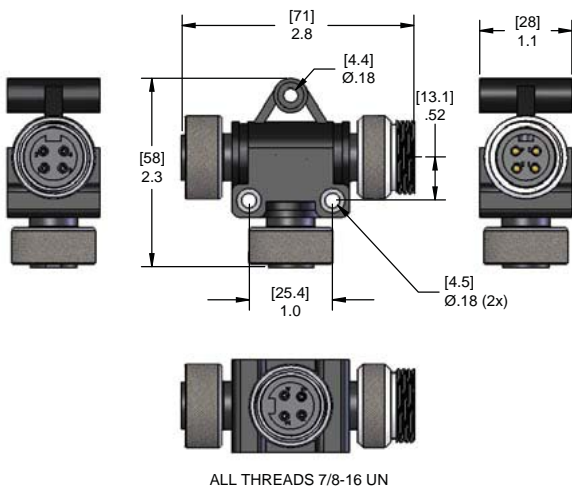
4 Conductor Foundation Fieldbus T Connectors



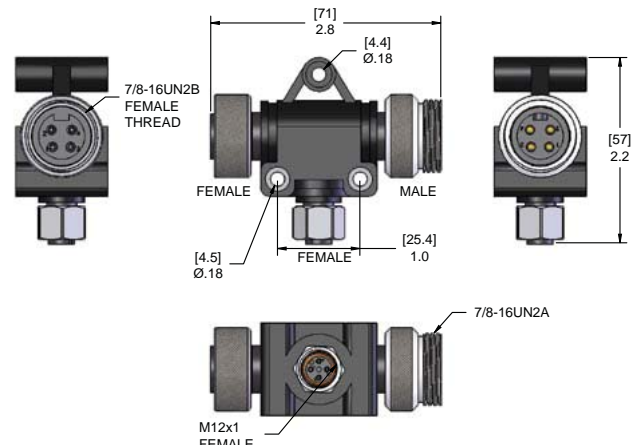
"T" Connectors | 300 Volt, 8 amps | 300 Volt, 4 amps | IP67 Rating



MIN Male to Two MIN Female "T" Connectors					
# of Poles	Male Faceview	Rating	Part Number	Wiring	Female Faceview
4	<p>7/8"-16UN2</p>	300V 8A	FFIN-4MFF-T-SS	1 to 1 to 1 2 to 2 to 2 3 to 3 to 3 4 to 4 to 4	<p>7/8"-16UN2</p>
MIN Male to MIN & MDC Female "T" Connectors					
4	<p>7/8"-16UN2</p>	300V 4A	FFINDC-4MFF-T-SS	1 to 1 to 1 2 to 2 to 2 3 to 3 to 3 4 to 4 to 4	<p>M12 x 1</p>



MIN to MIN "T" Connector



MIN to MDC "T" Connector

Specifications:

- Body: Oil Resistant Yellow PVC
- Contacts: Copper Alloy with Gold Plating
- Coupling Nut: Stainless Steel
- Temperature: -40°C to +105°C (-40°F to +221°F)

Foundation Fieldbus Series





Foundation Fieldbus Series Terminating Plugs

4 Conductor Foundation Fieldbus Field Terminating Plugs



Terminating Plugs | IP67 Rating

Wiring: Pin 1 to pin 2 with 1/4 watt 100 Ohm resistor and 1 μ F capacitor

Foundation Fieldbus Series

M

MIN Terminating Plugs			
# of Poles	Faceview	Housing Style	Part Number
4	<p>7/8"-16UN2</p>	<p>7/8-16UN2A</p>	FFIN-4MP-DP1-SS
	<p>7/8"-16UN2</p>	<p>7/8-16UN2B FEMALE THREAD</p>	FFIN-4FP-DP1-SS
MDC Terminating Plugs			
4	<p>M12 x 1</p>	<p>M12x1 MALE THREADS</p>	FFDC-4MP-DP1-SS
	<p>M12 x 1</p>	<p>M12x1 FEMALE THREADS</p>	FFDC-4FP-DP1-SS

Specifications:

- Body: Oil Resistant PVC
- Contacts: Copper Alloy with Gold Plating
- Coupling Nut: Stainless Steel
- Temperature: -40°C to +105°C (-40°F to +221°F)



Foundation Fieldbus Series Receptacles

Foundation Fieldbus Receptacle Part Number Matrix



Not all options available with all receptacles, please consult factory.

FF - 4 - - - SS

Receptacles Type

- IN = MIN Receptacle (7/8"-16UN)
- DC = MDC Receptacle (M12 x 1)

Connector Configuration

- MR = Male Receptacle
- FR = Female Receptacle

Length in Meters

Mounting Style

- Blank = Front Mount 1/2"-14 NPT (Only MIN)
- 2 = Front Mount 1/2"-14 NPT (Only MDC)
- PG9 = Front Mount PG 9 Threads
- M20 = Front Mount Metric 20 Threads

Other thread types are available, please consult the factory.



Foundation Fieldbus Series Receptacles

Foundation Fieldbus Receptacle Index



Front Mount

Foundation Fieldbus Series

M

MIN, Front Mount, Male, 1/2"-14NPT	Page M-11	MIN, Front Mount, Female, 1/2"-14NPT	Page M-11
MDC, Front Mount, Male, 1/2"-14NPT	Page M-11	MDC, Front Mount, Female, 1/2"-14NPT	Page M-11
MDC, Front Mount, Male, PG9	Page M-12	MDC, Front Mount, Female, PG9	Page M-12
MDC, Front Mount, Male, M20	Page M-12	MDC, Front Mount, Female, M20	Page M-12



Foundation Fieldbus Series MIN/MDC Receptacles

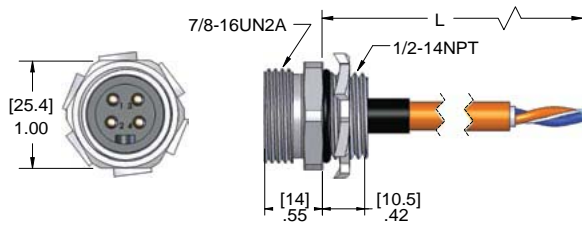
4 Conductor Foundation Fieldbus Receptacles, 18AWG



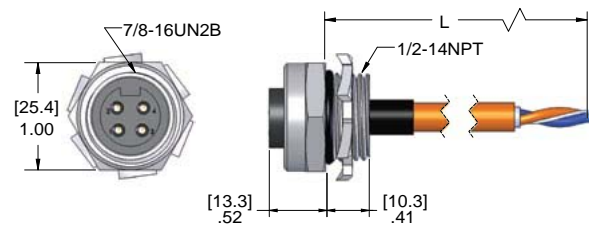
Front Mount Receptacles | 1/2"-14 NPT Threads | 300V, 10A | 300V, 4A | IP67 Rating



MIN Receptacles 1/2"-14 NPT						
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
4	<p>7/8"-16UN2</p>	1. Blue(-) 2. Orange(+) 3. Shield 4. N/C	300V 10A	18 AWG	FFIN-4MR-**-SS	FFIN-4FR-**-SS



Male Receptacle



Female Receptacle

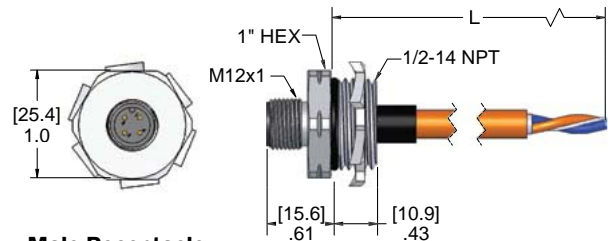
MDC Receptacles 1/2"-14 NPT						
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
4	<p>M12 x 1</p>	1. Blue(-) 2. Orange(+) 3. Shield 4. N/C	300V 4A	18 AWG	FFDC-4MR-2**-SS	FFDC-4FR-2**-SS

** Lengths in meters.

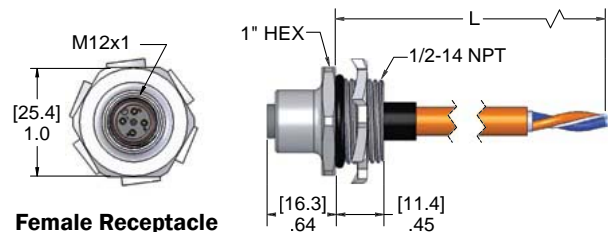
Lock Nut and O-Ring are included.

Specifications:

- Shell: Stainless Steel
- Insulator: FFIN: Oil Resistant Black PVC
FFDC: Polyamide
- Cable: Orange PVC, 2x18 AWG Cable with Foil Shield
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Lock Nut: Nickel Plated Brass
- Temperature: -40°C to 105°C (-40°F to +221°F)



Male Receptacle



Female Receptacle

Foundation Fieldbus Series

M



Foundation Fieldbus Series MDC Receptacles

4 Conductor Foundation Fieldbus Receptacles, 18AWG



Front Mount Receptacles | PG9 & M20 Threads | 300 Volt, 4 amps | IP67 Rating

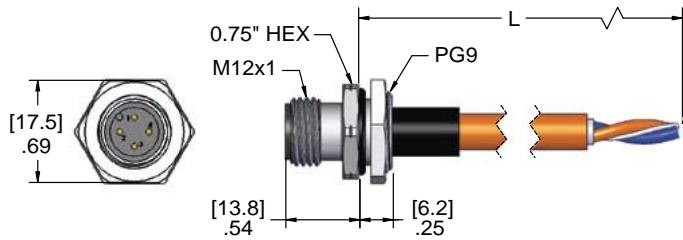


# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Threads	Male Receptacles	Female Receptacles
4	<p>M12 x 1</p>	<ol style="list-style-type: none"> Blue(-) Orange(+) Shield N/C 	300V 4A	18 AWG	PG9	FFDC-4MR-PG9-**-SS	FFDC-4FR-PG9-**-SS
					M20	FFDC-4MR-M20-**-SS	FFDC-4FR-M20-**-SS

** Lengths in meters.

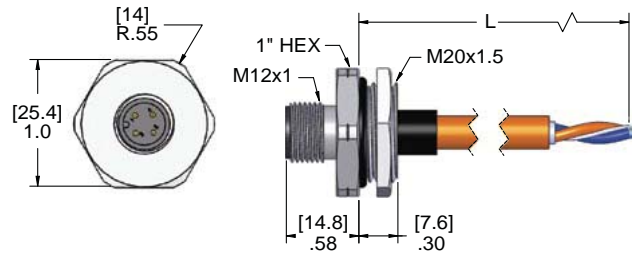
Jam Nut and O-Ring are included.

PG9 Threads

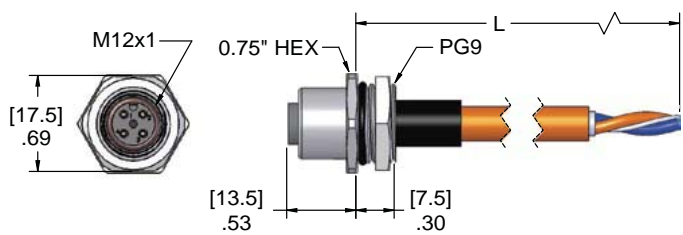


Male Receptacle

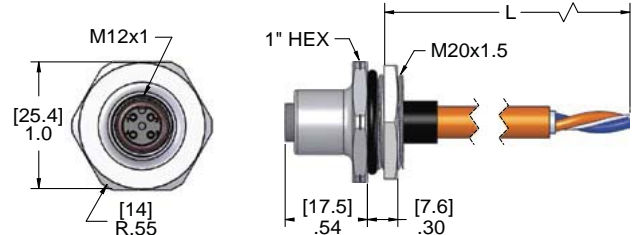
M20 Threads



Male Receptacle



Female Receptacle



Female Receptacle

Specifications:

- Shell: Stainless Steel
- Insulator: Polyamide
- Cable: Orange PVC, 2x18 AWG Cable with Foil Shield
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Jam Nut: Nickel Plated Brass
- Temperature: -40°C to 105°C (-40°F to +221°F)



Foundation Fieldbus Series Conduit Adapters

4 Conductor Foundation Fieldbus Conduit Adapters



Conduit Adapters | MIN (7/8"-16UN) | MDC (M12) | 40 Volt, 4 amps | IP67 Rating

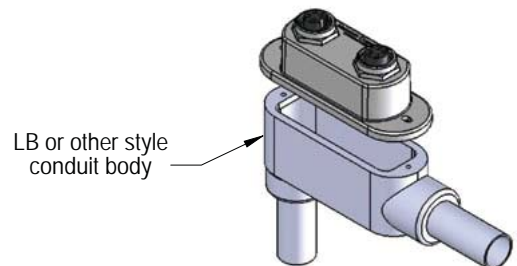
MIN (7/8"-16UN) Conduit Adapters						
# of Poles	Female Faceview	Rating	# of Ports	Part Number	Body Style	Circuit
4	<p>7/8"-16UN</p> <p>1 = - V 2 = +V 3 = SHIELD 4 = GND</p>	40V 4A	1 Port	FFIN-1-4FR-CA		<p>S1</p>
	<p>1 = - V 2 = +V 3 = SHIELD 4 = GND</p>		2 Port	FFIN-2-4FR-CA		<p>S2</p>
MDC (M12) Conduit Adapters						
4	<p>M12 x 1</p> <p>1 = - V 2 = +V 3 = SHIELD 4 = GND</p>	40V 4A	1 Port	FFDC-1-4FR-CA		<p>S1</p>
	<p>1 = - V 2 = +V 3 = SHIELD 4 = GND</p>		2 Port	FFDC-2-4FR-CA		<p>S2</p>

Foundation Fieldbus Series

M

Specifications:

- Housing: Glass Filled PBT
- Recp. Shell: Nickel Plated Brass
- Insert: Polyamide
- Contacts: Copper Alloy with Gold Plating
- Gasket: NBR
- Temperature: -40°C to 70°C (-40°F to +158°F)



Remove existing Conduit Body cover and replace with Mencom Conduit Adapter.

Works with all standard 3/4" NPT conduit bodies, including Form 8 and Mark 9 adapters. (screws are included with adapter)



Notes:



Profibus-DP

Decentralized Peripherals

Over-Molded Cordsets | Receptacles | Field Wireables | Accessories

UL File #:
E149111



PROFIBUS (Process Field Bus) is a standard for field bus communication in automation technology. The PROFIBUS protocol has application specific profiles to meet differing factory floor requirements. There are two variations of PROFIBUS in use today; the most commonly used PROFIBUS DP, and the lesser used, application specific, PROFIBUS PA (See Section-O).

Profibus-DP

Profibus-DP is optimized for factory automation to operate sensors and actuators via a centralized controller in production applications. Profibus-DP uses an industrial physical layer based on RS-485. It is a two-wire differential system extremely resistant to electrical interference. Communication rates range from 9.6 kbps - 12 Mbps. The main cable is a 22awg shielded twisted pair covered by an outer braided shield.



Profibus-DP Series

N

Contents

Cordsets	Part Number Matrix	N-3
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	Right Angle	N-4
	Double Ended	N-4
	Armored	N-5
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Receptacles	Part Number Matrix	N-7
	Index	N-8 ~ N-10
	Front Mount	N-11 ~ N-12
	PCB Mount	N-13 ~ N-14



Profibus-DP Series Cordsets

Profibus-DP Series Cordset Part Number Matrix



Not all options available with all cordsets, please consult factory.

PBEC - 3 - - -

Connector Configuration

- FP = Female Plug
- MP = Male Plug
- MFP = Male / Female Extension

Armor (See N-5 for more details)

- Blank = No Armor
- A01 = SS w/ Cable Inside
- A03 = PVC Covered SS w/ Cable Inside
- A50 = Silicone (Stops at Overmold)
- A51 = Silicone (Covers Overmold)

R/A or Straight

- Blank = Straight
- R = Right Angle**

** If single ended cable, right angle connector to flying leads
If double ended cable, right angle on both connectors

Length in Meters

- 1M
- 2M
- 4M
- 5M
- 6M
- 10M
- 15M

Other lengths are available by request.



Profibus-DP Series Cordsets

3 Conductor Profibus-DP Series Cordsets, 22AWG



Straight, Right Angle & Double Ended Cordsets | 300 Volt, 4 amps | IP67 Rating



Profibus-DP Series

N

Profibus-DP Male Cordsets					
Connector Body Style	Part Number	Cables	Features	Color Code	Male Faceview
	PBEC-3MP-**	Purple PVC PLTC/AWM With Foil Shield 2 X 22 AWG 300V, 4A -40°C to +80°C 8.6mm OD	Industry Standard PVC Foil Shield	1. N/C 2. Green (TxD) 3. N/C 4. Red (RxD) 5. Shield	 M12 x 1

Profibus-DP Female Cordsets					
Connector Body Style	Part Number	Cables	Features	Color Code	Female Faceview
	PBEC-3FP-**	Purple PVC PLTC/AWM With Foil Shield 2 X 22 AWG 300V, 4A -40°C to +80°C 8.6mm OD	Industry Standard PVC Foil Shield	1. N/C 2. Green (TxD) 3. N/C 4. Red (RxD) 5. Shield	 M12 x 1
	PBEC-3FP-**-R	Purple PVC PLTC/AWM With Foil Shield 2 X 22 AWG 300V, 4A -40°C to +80°C 8.6mm OD	Industry Standard PVC Foil Shield	1. N/C 2. Green (TxD) 3. N/C 4. Red (RxD) 5. Shield	 M12 x 1

Male - Female Extension Cables					
Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
 M12 x 1	PBEC-3MFP-**	Purple PVC PLTC/AWM With Foil Shield 2 X 22 AWG 300V, 4A -40°C to +80°C 8.6mm OD	Industry Standard PVC Foil Shield	1. N/C 2. Green (TxD) 3. N/C 4. Red (RxD) 5. Shield	 M12 x 1

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Standard coupling nut is nickel plated brass, for stainless steel coupling nut add a "-SS" suffix. (e.g. PBEC-3FP-1M becomes PBEC-3FP-1M-SS)



Male - Female Extension

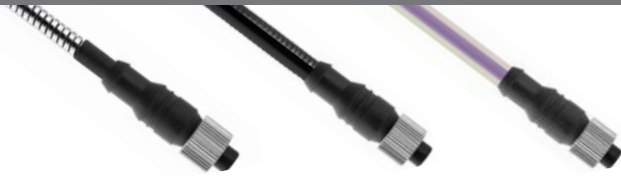


Profibus-DP Series Armored Cordsets

Connectivity Solutions for Harsh & Rugged Environments



Stainless Steel Armor | PVC Covered Jacket | Silicone Tube



Connector Body Style	Suffix Number	Description	Features
	A01	Stainless Steel with Cable Inside	Crush, Corrosion and Abrasion Resistant
	A03	PVC Covered Stainless Steel with Cable Inside	Water Tight Crush, Corrosion and Abrasion Resistant
	A50	Silicone Tube (Stops at Overmold)	Chemical and Weld Slag Resistant Hi-Temperature Resistant
	A51	Silicone Tube (Covers Overmold)	Chemical and Weld Slag Resistant Hi-Temperature Resistant

To specify Armored Cable, add a suffix number to the end of the part number (e.g. PBEC-3FP-6M becomes PBEC-3FP-6M-A03).

Why do I need this product?

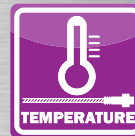
- To extend the life of existing assemblies in potentially destructive environments
- Connectorize to make faster installation and future repairs

Where are these products used?

Harsh & Rugged Environments exposed to Chemicals, Abrasions, High Temperature, Wash Down, Welding, Cutting, Marine Applications...

Profibus-DP Series

N





Profibus-DP Series Field Wireable Plugs

5 Conductor Profibus-DP Series Field Wireable Plugs, 18-24AWG

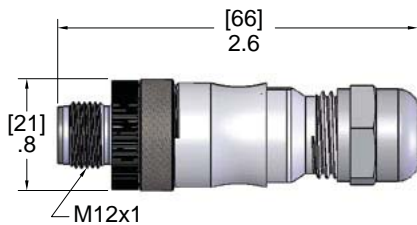


Straight Field Wireable Plugs | Shielded | 50 Volt, 4 amps | IP67 Rating



# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Part Number	
					Male Plugs	Female Plugs
5	<p>M12 x 1</p>	50V 4A	18-24AWG	3-9 mm	PBECM-5MP-FW	PBECM-5FP-FW

Connection via screw terminal. Voltage and amperage ratings are cable dependent and are based on 50V, 18 AWG cable. Cables with lower voltage ratings and smaller conductors will lower these ratings.



Male Straight with Male Threads



Female Straight with Female Threads

Profibus-DP Series

N



Specifications:

- Body: Nickel Plated Brass
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Coupling Nut: Nickel Brass
- Insert: PVC
- Temperature: -40°C to +90°C (-40°F to +194°F)



Profibus-DP Series Receptacles

Profibus-DP Series Receptacle Part Number Matrix



Not all options available with all receptacles, please consult factory.

PBEC - 3 - - - -

Ground Tab

Blank = No Ground Tab
M = Ground Tab

Connector Configuration

MP = Male Receptacle
FP = Female Receptacle

Mounting Style

Blank = No Wire
2 = Front Mount 1/2"-14 NPT
4 = Front Mount 1/4"-18 NPT
PG9 = Front Mount PG 9 Threads
M20 = Front Mount Metric 20 Threads

Other thread types are available, please consult the factory.

R/A or Straight

Blank = Straight
R = Right Angle

Length in Meters

Termination Type

Blank = Pre-Wired
PCB = PCB Mount



Profibus-DP Series Receptacles

Profibus-DP Series Receptacle Index

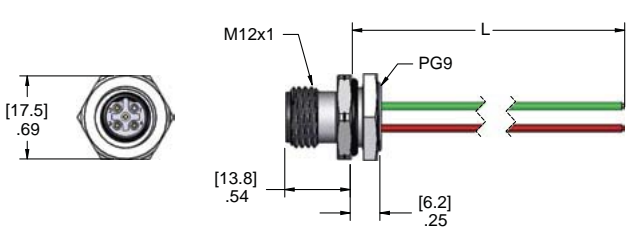
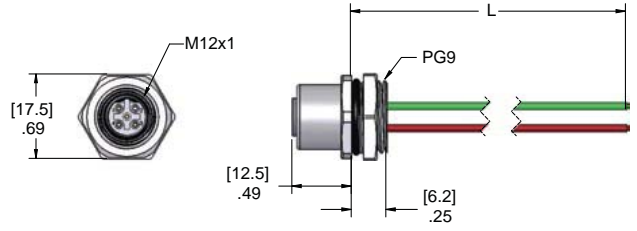
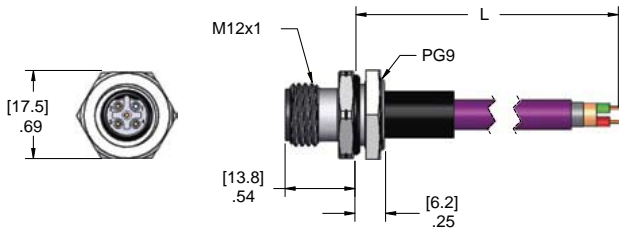
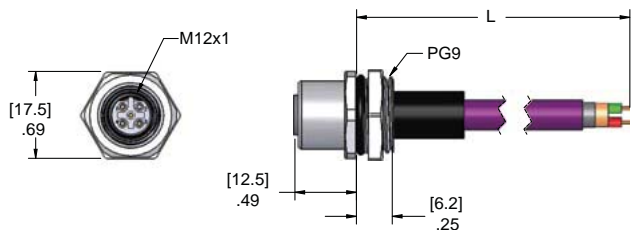
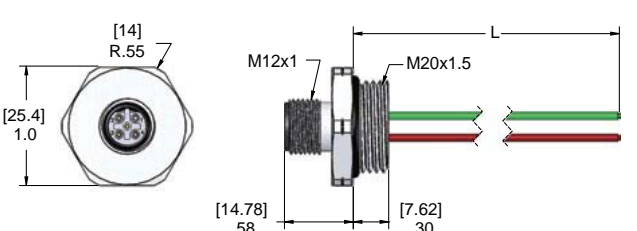
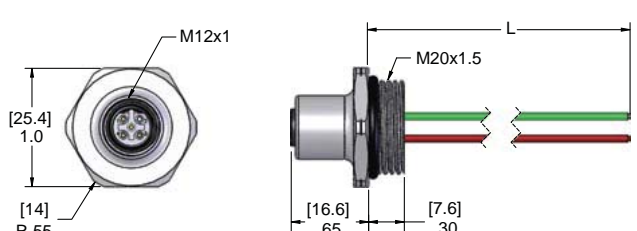
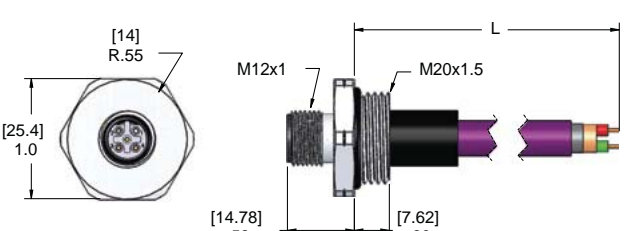
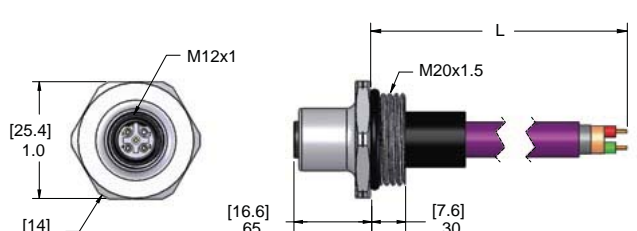


Front Mount

Profibus-DP Series

N

<p>Front Mount, Male, 1/2"-14 NPT, 12" Leads Page N-11</p>	<p>Front Mount, Female, 1/2"-14 NPT, 12" Leads Page N-11</p>
<p>Front Mount, Male, 1/2"-14 NPT, Cable Version Page N-12</p>	<p>Front Mount, Female, 1/2"-14 NPT, Cable Version Page N-12</p>
<p>Front Mount, Male, 1/4"-18NPT, 12" Leads Page N-11</p>	<p>Front Mount, Female, 1/4"-18NPT, 12" Leads Page N-11</p>
<p>Front Mount, Male, 1/4"-18 NPT, Cable Version Page N-12</p>	<p>Front Mount, Female, 1/4"-18 NPT, Cable Version Page N-12</p>

Front Mount, Male, PG9 Threads, 12" Leads	Front Mount, Female, PG9 Threads, 12" Leads
<p>Page N-11</p> 	<p>Page N-11</p> 
Front Mount, Male, PG9 Threads, Cable Version	Front Mount, Female, PG9 Threads, Cable Version
<p>Page N-12</p> 	<p>Page N-12</p> 
Front Mount, Male, M20 Threads, 12" Leads	Front Mount, Female, M20 Threads, 12" Leads
<p>Page N-11</p> 	<p>Page N-11</p> 
Front Mount, Male, M20 Threads, Cable Version	Front Mount, Female, M20 Threads, Cable Version
<p>Page N-12</p> 	<p>Page N-12</p> 

Profibus-DP Series

N

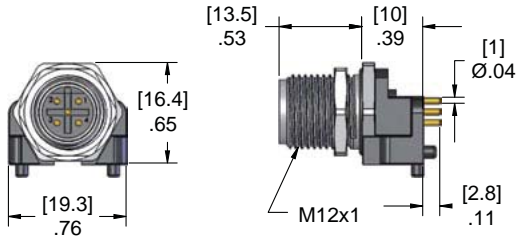
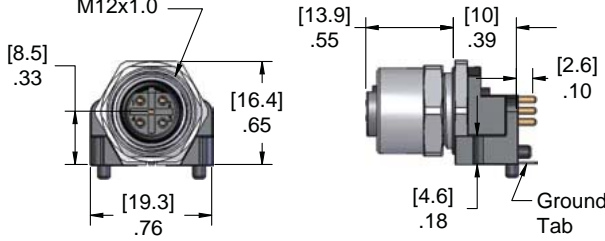
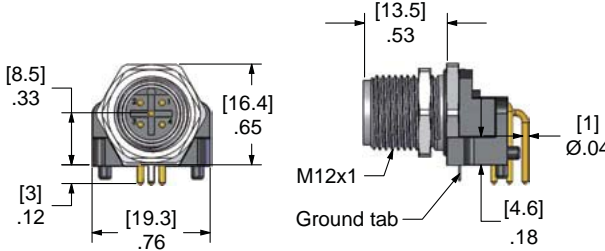
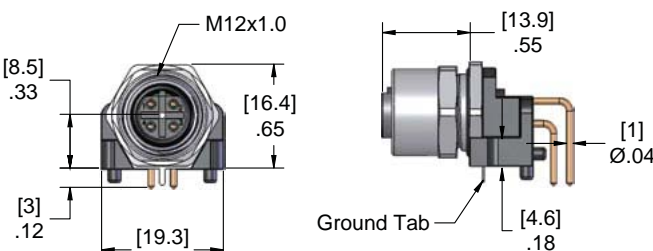


Profibus-DP Series Receptacles

Profibus-DP Series Receptacle Index



PCB Mount

PCB Mount, Male	PCB Mount, Female
<p style="text-align: right;">Page N-13</p> 	<p style="text-align: right;">Page N-13</p> 
PCB Mount, Male, Right Angle	PCB Mount, Female, Right Angle
<p style="text-align: right;">Page N-14</p> 	<p style="text-align: right;">Page N-14</p> 

Profibus-DP Series

N



Profibus-DP Series Receptacles

3 Conductor Profibus-DP Series Receptacles, 22AWG



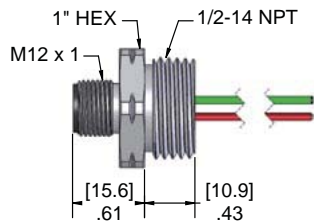
Front Mount Receptacles | 300 Volt, 4 amps | 12" Leads Version | IP67 Rating



# of Poles	Male Faceview	Color Code	Wire AWG Rating	Threads	Male Receptacles	Female Receptacles
3	<p>M12 x 1</p>	PIN #1 - N/C PIN #2 - Green (TxD) PIN #3 - N/C PIN #4 - Red (Rx D) PIN #5 - Shield	22 AWG 300V 4A	1/2"-14 NPT	PBEC-3MR-2	PBEC-3FR-2
				1/4"-18 NPT	PBEC-3MR-4	PBEC-3FR-4
				PG9	PBEC-3MR-PG9	PBEC-3FR-PG9
				M20	PBEC-3MR-M20	PBEC-3FR-M20

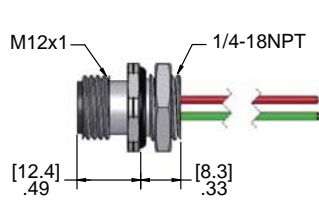
12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers. For 1/2" receptacles with lengths of 15" or longer O-ring and jam nut are included. Stainless Steel versions are available, add "-SS" suffix to the part number (e.g. PBEC-3MR-2-SS).

1/2"-14NPT Threads



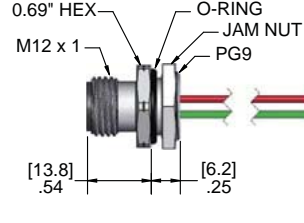
Male Receptacle

1/4"-18NPT Threads



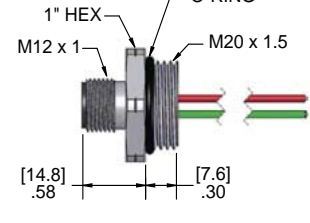
Male Receptacle

PG9 Threads

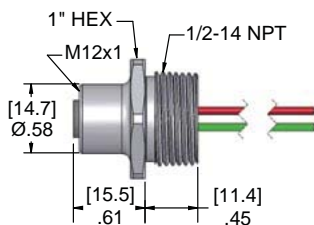


Male Receptacle

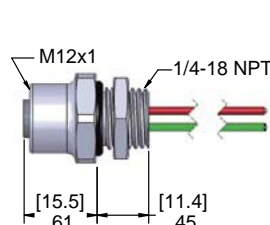
M20 Threads



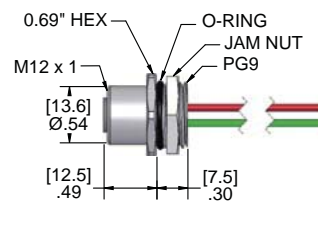
Male Receptacle



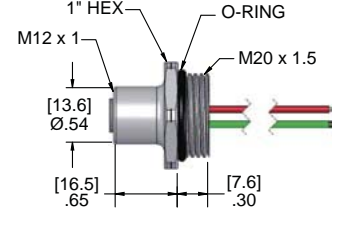
Female Receptacle



Female Receptacle



Female Receptacle



Female Receptacle

Specifications:

Shell: 1/2" -14 NPT: Clear Anodized Aluminum
 1/4" -18 NPT: Nickel Plated Brass
 PG 9: Nickel Plated Brass
 M20: Clear Anodized Aluminum
 Insulator: Polyamide

Contacts: Copper Alloy with Gold Plating
 O-Ring: NBR
 Lock Nut: Zinc Plated Steel
 Jam Nut: Nickel Plated Brass
 Temperature: -40°C to 80°C (-40°F to +221°F)

Profibus-DP Series

N



Profibus-DP Series Receptacles

3 Conductor Profibus-DP Series Receptacles, 22AWG



Front Mount Receptacles | 300 Volt, 4 amps | Cable Version | IP67 Rating



# of Poles	Male Faceview	Color Code	Wire AWG Rating	Threads	Male Receptacles	Female Receptacles
3	<p>M12 x 1</p>	PIN #1 - N/C PIN #2 - Green (TxD) PIN #3 - N/C PIN #4 - Red (RxD) PIN #5 - Shield	22 AWG 300V 4A	1/2"-14 NPT	PBEC-3MR-2-**	PBEC-3FR-2-**
				1/4"-18 NPT	PBEC-3MR-4-**	PBEC-3FR-4-**
				PG9	PBEC-3MR-PG9-**	PBEC-3FR-PG9-**
				M20	PBEC-3MR-M20-**	PBEC-3FR-M20-**

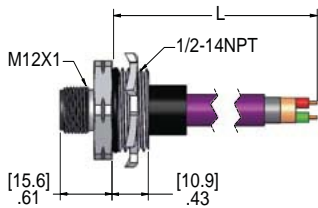
** Lengths in meters.

Stainless Steel versions are available, add "-SS" suffix to the part number (e.g. PBEC-3MR-2-SS).

Profibus-DP Series

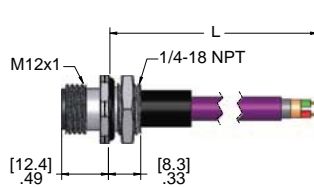
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1/2"-14NPT Threads



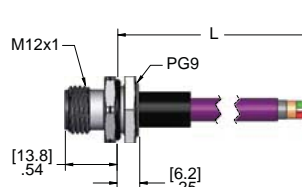
Male Receptacle

1/4"-18NPT Threads



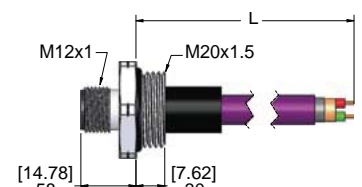
Male Receptacle

PG9 Threads



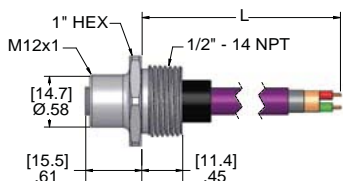
Male Receptacle

M20 Threads

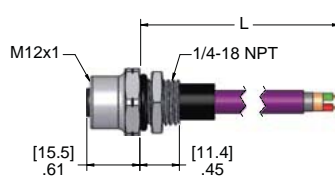


Male Receptacle

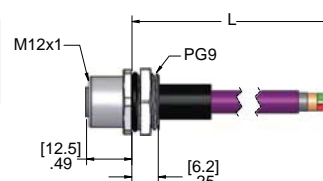
Female Receptacle



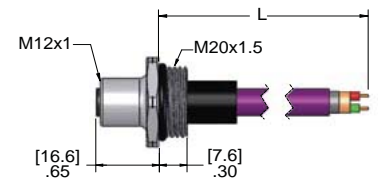
Female Receptacle



Female Receptacle



Female Receptacle



Specifications:

Shell: 1/2" -14 NPT: Clear Anodized Aluminum
 1/4" -18 NPT: Nickel Plated Brass
 PG 9: Nickel Plated Brass
 M20: Clear Anodized Aluminum

Insulator: Polyamide

Cable: Purple PVC, 2x22 AWG Cable with Foil Shield

Contacts: Copper Alloy with Gold Plating
 O-Ring: NBR
 Lock Nut: Zinc Plated Steel
 Jam Nut: Nickel Plated Brass
 Temperature: -40°C to 80°C (-40°F to +221°F)



Profibus-DP Series Receptacles

5 Conductor Profibus-DP Series Receptacles

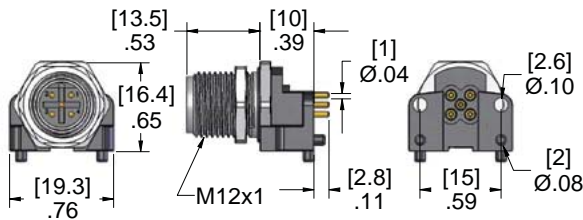


PCB Mount Straight Receptacles | 150 Volt, 4 amps | IP67 Rating

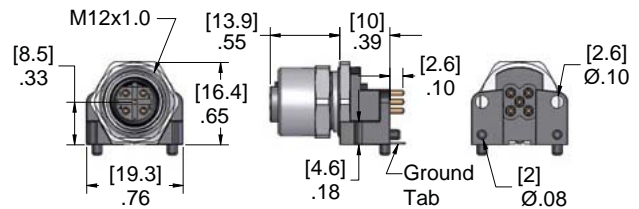


# of Poles	Male Faceview	Rating	Style	Male Receptacles	Female Receptacles
5	<p>M12 x 1</p>	150V 4A	PCB Mount	PBEC-5MR-PCB	PBEC-5FR-PCB
			PCB Mount w/ Ground Tab	PBECM-5MR-PCB	PBECM-5FR-PCB

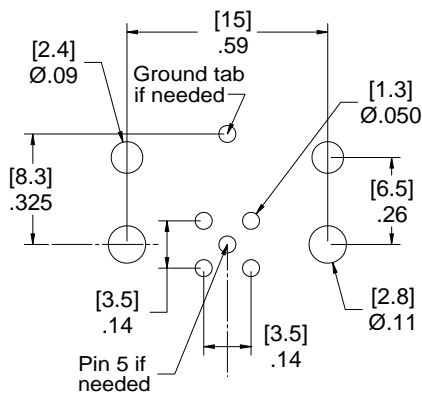
Male Straight



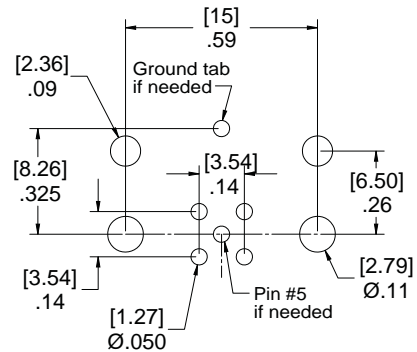
Female Straight



5 Pole
Male Straight Layout



5 Pole
Female Straight Layout



Specifications:

- Body: Polyamide
- Contacts: Copper Alloy with Gold Plating
- Shell: Nickel Plated Brass
- O-Ring: NBR
- Jam Nut: Nickel Plated Brass

Profibus-DP Series

N



Profibus-DP Series Receptacles

5 Conductor Profibus-DP Series Receptacles

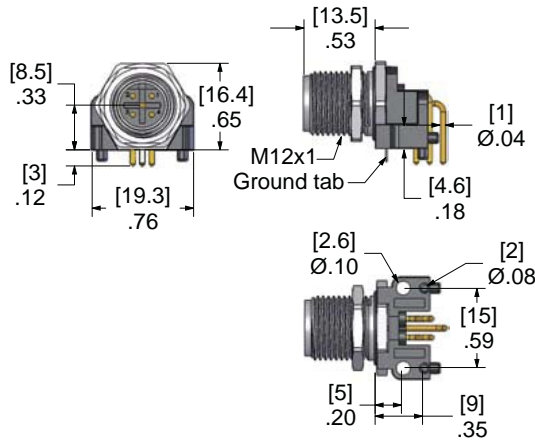


PCB Mount Right Angle Receptacles | 150 Volt, 4 amps | IP67 Rating

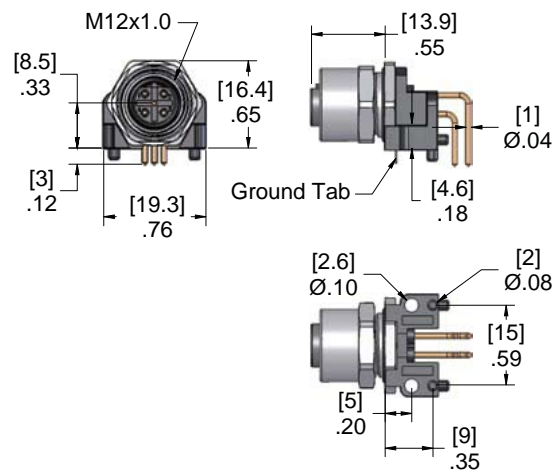


# of Poles	Male Faceview	Rating	Style	Male Receptacles	Female Receptacles
5		150V 4A	PCB Mount	PBEC-5MR-PCB-R	PBEC-5FR-PCB-R
			PCB Mount w/ Ground Tab	PBECM-5MR-PCB-R	PBECM-5FR-PCB-R

Male Right Angle



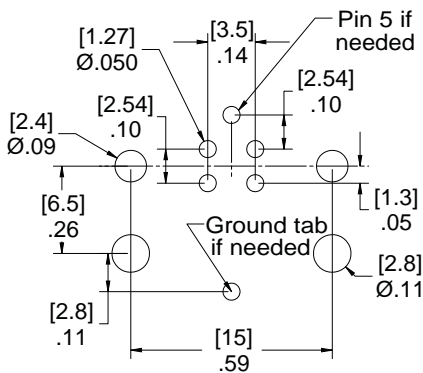
Female Right Angle



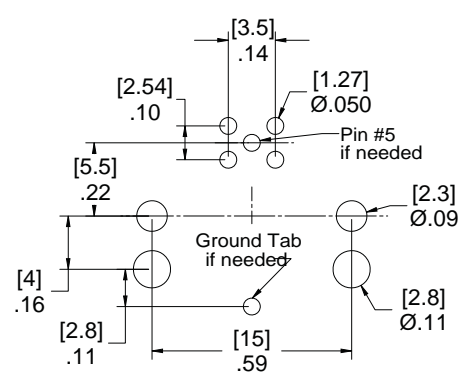
Profibus-DP Series

N

5 Pole
Male Right Angle Layout



5 Pole
Female Right Angle Layout



Specifications:

Body: Polyamide
 Contacts: Copper Alloy with Gold Plating
 Shell: Nickel Plated Brass

O-Ring: NBR
 Jam Nut: Nickel Plated Brass



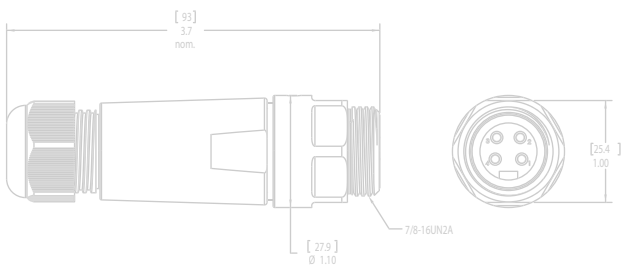
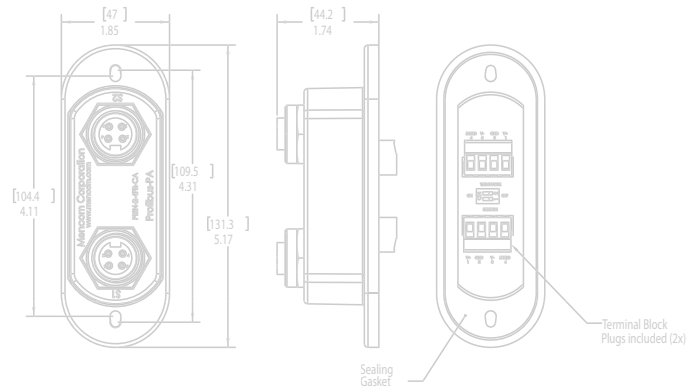
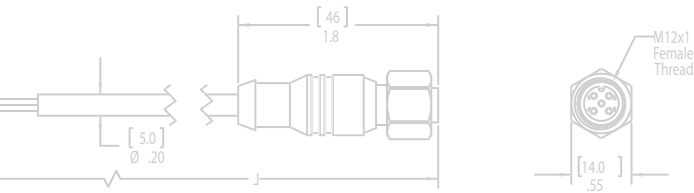
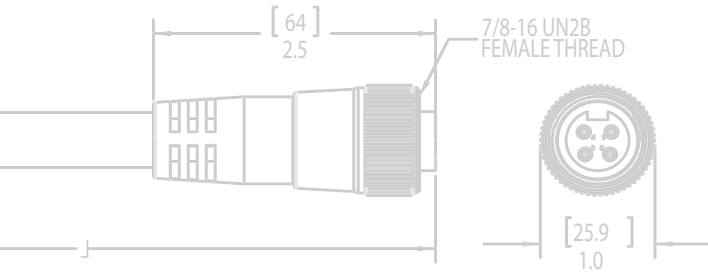
UL File #:
E149111



PROFIBUS (Process Field Bus) is a standard for field bus communication in automation technology. The PROFIBUS protocol has application specific profiles to meet differing factory floor requirements. There are two variations of PROFIBUS in use today; the most commonly used PROFIBUS DP (See Section-N), and the lesser used, application specific, PROFIBUS PA.

Profibus-PA

Profibus-PA is optimized for process automation to monitor measuring equipment via a process control system in process automation applications.



Profibus-PA Series

0

Contents

Cordsets	Part Number Matrix	0-3	
	Straight	0-4	
	Double Ended	0-5	
	Armored	0-6	
Field Wireable Plugs		0-7	
“T” Connectors		0-8	
Receptacles	Part Number Matrix	0-9	
	Index	0-10	
	Front Mount	1/2”-14 NPT	0-11
		PG9	0-12
M20		0-12	
Conduit Adapters		0-13	



Profibus-PA Series Cordsets

Profibus-PA Series Cordset Part Number Matrix



Not all options available with all cordsets, please consult factory.

PB - 4 - - - SS -

Cordset Type

- IN = MIN Cordset (7/8"-16UN)
- DC = MDC Cordset (M12 x 1)

R/A or Straight

- Blank = Straight
- R = Right Angle**

** If single ended cable, right angle connector to flying leads
If double ended cable, right angle on both connectors

Connector Configuration

- MPX = Male Plug - 18awg
- FPX = Female Plug - 18awg
- MFPX = Male / Female Extension - 18awg

Armor (See 0-6 for more details)

- Blank = No Armor
- A01 = SS w/ Cable Inside
- A03 = PVC Covered SS w/ Cable Inside
- A50 = Silicone (Stops at Overmold)
- A51 = Silicone (Covers Overmold)

Length in Meters

- 1M
- 2M
- 4M
- 5M
- 6M
- 10M
- 15M

Other lengths are available by request.



Profibus-PA Series MIN/MDC Cordsets

4 Conductor Profibus-DP Series MIN/MDC Cordsets, 18AWG



Straight Cordsets | 300V, 10A | 300V, 4A | IP67 Rating



MIN (7/8" 16UN) Cordsets					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	PBIN-4MPX**-SS	Orange PVC ITC-ER With Foil Shield 2 X 18 AWG 1 x 22 AWG (Drain) 300V, 10A -40°C to +105°C 7.2mm OD	Crush Proof Industry Standard PVC Stainless Steel Coupling Nut Foil Shield	1. Orange(+) 2. N/C 3. Blue(-) 4. Shield	 7/8"-16UN2
	PBIN-4FPX**-SS	Orange PVC ITC-ER With Foil Shield 2 X 18 AWG 1 x 22 AWG (Drain) 300V, 10A -40°C to +105°C 7.2mm OD	Crush Proof Industry Standard PVC Stainless Steel Coupling Nut Foil Shield	1. Orange(+) 2. N/C 3. Blue(-) 4. Shield	 7/8"-16UN2
MDC (M12) Cordsets					
Connector Body Style	Part Number	Cables	Features	Color Code	Faceview
	PBDC-4MPX**-SS	Orange PVC ITC-ER With Foil Shield 2 X 18 AWG 1 x 22 AWG (Drain) 300V, 4A -40°C to +105°C 7.2mm OD	Crush Proof Industry Standard PVC Stainless Steel Coupling Nut Foil Shield	1. Orange(+) 2. N/C 3. Blue(-) 4. Shield	 M12 x 1
	PBDC-4FPX**-SS	Orange PVC ITC-ER With Foil Shield 2 X 18 AWG 1 x 22 AWG (Drain) 300V, 4A -40°C to +105°C 7.2mm OD	Crush Proof Industry Standard PVC Stainless Steel Coupling Nut Foil Shield	1. Orange(+) 2. N/C 3. Blue(-) 4. Shield	 M12 x 1

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.

Profibus-PA Series

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Profibus-PA Series MIN/MDC Cordsets

4 Conductor Profibus-DP Series MIN/MDC Cordsets, 18AWG

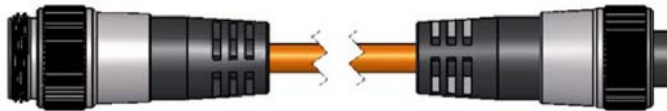


Double Ended Cordsets | 300V, 10A | 300V, 4A | IP67 Rating

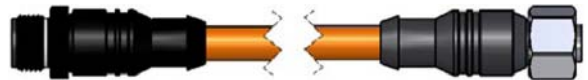


MIN Double Ended Cordsets					
Male Faceview	Part Number	Cables	Features	Color Code	Female Faceview
<p>7/8"-16UN2</p>	PBIN-4MFPX-**-SS	Orange PVC ITC-ER With Foil Shield 2 X 18 AWG 1 x 22 AWG (Drain) 300V, 10A -40°C to +105°C 7.2mm OD	Crush Proof Industry Standard PVC Stainless Steel Coupling Nut Foil Shield	1. Orange(+) 2. N/C 3. Blue(-) 4. Shield	<p>7/8"-16UN2</p>
MDC Double Ended Cordsets					
<p>M12 x 1</p>	PBDC-4MFPX-**-SS	Orange PVC ITC-ER With Foil Shield 2 X 18 AWG 1 x 22 AWG (Drain) 300V, 4A -40°C to +105°C 7.2mm OD	Crush Proof Industry Standard PVC Stainless Steel Coupling Nut Foil Shield	1. Orange(+) 2. N/C 3. Blue(-) 4. Shield	<p>M12 x 1</p>

** Lengths in meters. Standard cable lengths are 1, 2, 4, 5, 6, 10 & 15 meters. Consult factory for other lengths.



MIN Series Male - Female Extension



MDC Series Male - Female Extension

Profibus-PA Series

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Profibus-PA Series Armored Cordsets

Connectivity Solutions for Harsh & Rugged Environments



Stainless Steel Armor | PVC Covered Jacket | Silicone Tube



Connector Body Style	Suffix Number	Description	Features
	A01	Stainless Steel with Cable Inside	Crush, Corrosion and Abrasion Resistant
	A03	PVC Covered Stainless Steel with Cable Inside	Water Tight Crush, Corrosion and Abrasion Resistant
	A50	Silicone Tube (Stops at Overmold)	Chemical and Weld Slag Resistant Hi-Temperature Resistant
	A51*	Silicone Tube (Covers Overmold)	Chemical and Weld Slag Resistant Hi-Temperature Resistant

* A51 only available for MDC Series.

To specify Armored Cable, add a suffix number to the end of the part number (e.g. PBDC-4FP-6M becomes PBDC-4FP-6M-A03).

Why do I need this product?

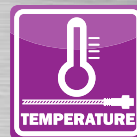
- To extend the life of existing assemblies in potentially destructive environments
- Connectorize to make faster installation and future repairs

Where are these products used?

Harsh & Rugged Environments exposed to Chemicals, Abrasions, High Temperature, Wash Down, Welding, Cutting, Marine Applications...

Profibus-PA Series

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Profibus-PA Series Field Wireable Plugs

4 Conductor Profibus-DP Series Field Wireable Plugs



Field Wireable Plugs | MIN & MDC | 600 Volt, 15 amps MAX | 250 Volt, 4 amps MAX | IP67 Rating

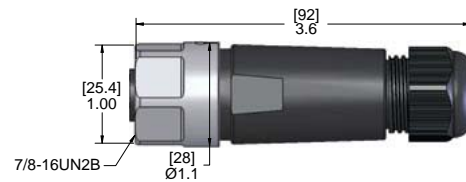


MIN Field Wireable Plugs						
# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Part Number	
					Male Plugs	Female Plugs
4		600V 15A MAX	14-22 AWG	5-13 mm	PBIN-4MPM-FW-SS	PBIN-4FP-FW-SS
				8-17 mm	PBIN-4MPM-FWX-SS	PBIN-4FP-FWX-SS

Connection via screw terminal. Voltage and amperage ratings are cable dependent and are based on 600V 14 AWG cable. Cables with lower voltage ratings and smaller conductors will lower these ratings.



Male Straight with Male Threads



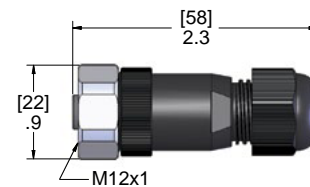
Female Straight with Female Threads

MDC Field Wireable Plugs						
# of Poles	Male Faceview	Rating	Wire AWG	Cable O.D. Range	Part Number	
					Male Plugs	Female Plugs
4		250V 4A MAX	18-24 AWG	3-6.5 mm	PBDC-4MP-FW07-SS	PBDC-4FP-FW07-SS
				4-8 mm	PBDC-4MP-FW09-SS	PBDC-4FP-FW09-SS
				8-10 mm	PBDC-4MP-FW11-SS	PBDC-4FP-FW11-SS

Connection via screw terminal. Voltage and amperage ratings are cable dependent and are based on 600V 14 AWG cable. Cables with lower voltage ratings and smaller conductors will lower these ratings.



Male Straight with Male Threads



Female Straight with Female Threads

Specifications:

Body:	Polyamide	Insert:	PVC
Contacts:	Copper Alloy with Gold Plating	Connections:	Screw Terminals
Coupling Nut:	Stainless Steel	Temperature:	-40°C to +90°C (-40°F to +194°F)
O-Ring:	NBR		



Profibus-PA Series "T" Connectors

4 Conductor Profibus-PA Series "T" Connectors, 14-22AWG



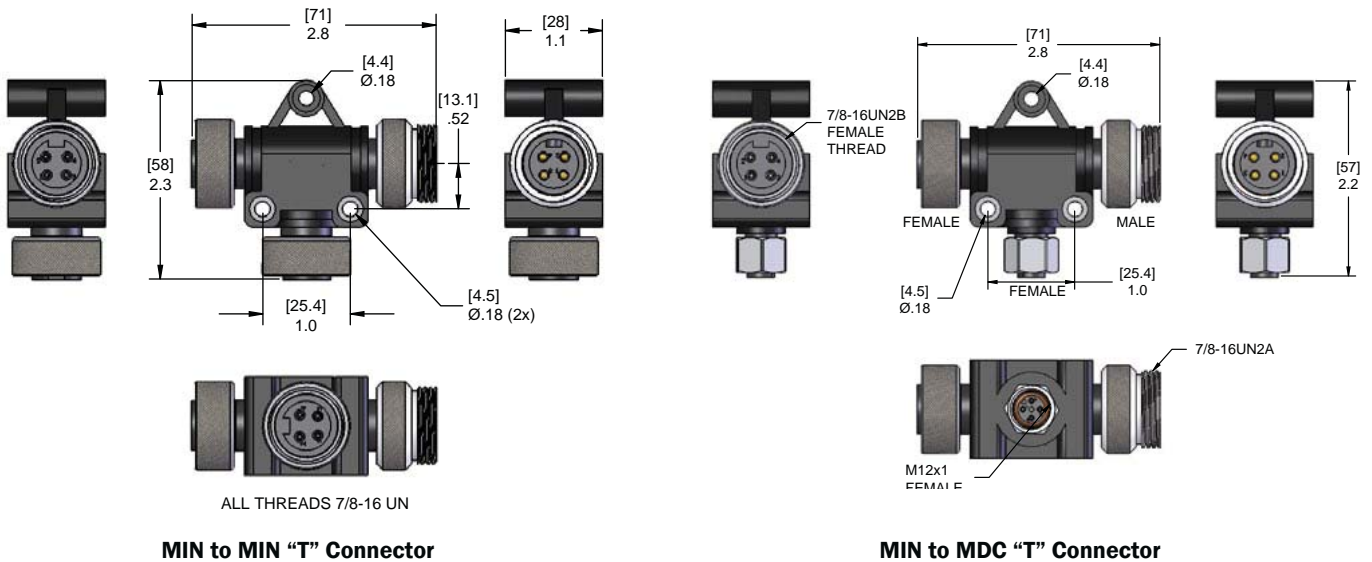
"T" Connectors | Male to Female | MIN & MDC | 300 Volt, 4/8 amps MAX | IP67 Rating



MIN Male to Two MIN Female "T" Connectors					
# of Poles	Male Faceview	Rating	Part Number	Wiring	Female Faceview
4	 7/8"-16UN2	300V 8A	PBIN-4MFF-T-SS	1 to 1 to 1 2 to 2 to 2 3 to 3 to 3 4 to 4 to 4	 7/8"-16UN2
MIN Male to MIN & MDC Female "T" Connectors					
4	 7/8"-16UN2	300V 4A	PBINDC-4MFF-T-SS	1 to 1 to 1 2 to 2 to 2 3 to 3 to 3 4 to 4 to 4	 M12 x 1

Profibus-PA Series

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Specifications:

- Body: Oil Resistant Yellow PVC
- Contacts: Copper Alloy with Gold Plating
- Coupling Nut: Stainless Steel
- Temperature: -40°C to +105°C (-40°F to +221°F)



Profibus-PA Series Receptacles

Profibus-PA Series Receptacle Part Number Matrix



Not all options available with all receptacles, please consult factory.

PB - 4 - - - SS

Receptacles Type

- IN = MIN Receptacle (7/8"-16UN)
- DC = MDC Receptacle (M12 x 1)

Connector Configuration

- MR = Male Receptacle
- FR = Female Receptacle

Length in Meters

Mounting Style

- Blank = Front Mount 1/2"-14 NPT (Only MIN)
- 2 = Front Mount 1/2"-14 NPT (Only MDC)
- PG9 = Front Mount PG 9 Threads
- M20 = Front Mount Metric 20 Threads

Other thread types are available, please consult the factory.



Profibus-PA Series Receptacles

Profibus-PA Series Receptacle Index



Front Mount

Profibus-PA Series

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<p>MIN, Front Mount, Male, 1/2"-14NPT Page 0-11</p>	<p>MIN, Front Mount, Female, 1/2"-14NPT Page 0-11</p>
<p>MDC, Front Mount, Male, 1/2"-14NPT Page 0-11</p>	<p>MDC, Front Mount, Female, 1/2"-14NPT Page 0-11</p>
<p>MDC, Front Mount, Male, PG9 Threads Page 0-12</p>	<p>MDC, Front Mount, Female, PG9 Threads Page 0-12</p>
<p>MDC, Front Mount, Male, M20 Threads Page 0-12</p>	<p>MDC, Front Mount, Female, M20 Threads Page 0-12</p>



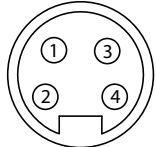
Profibus-PA Series MIN/MDC Receptacles

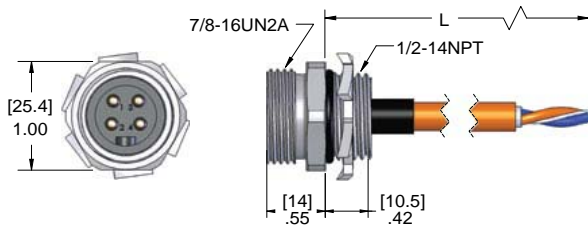
4 Conductor Profibus-PA Series Receptacles, 18AWG



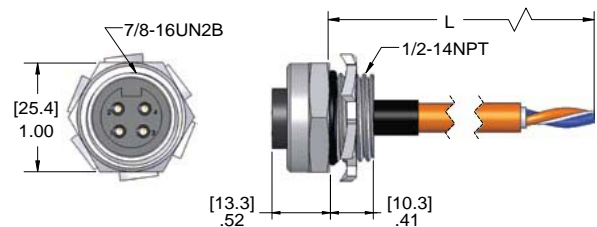
Front Mount Receptacles | 1/2"-14 NPT Threads | 300V, 8A | 300V, 4A | IP67 Rating



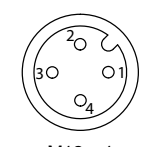
Profibus-PA MIN Receptacles 1/2"-14 NPT Threads						
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
4	 7/8"-16UN2	1. Orange(+) 2. N/C 3. Blue(-) 4. Shield	300V 8A	18 AWG	PBIN-4MR-**-SS	PBIN-4FR-**-SS



Male Receptacle



Female Receptacle

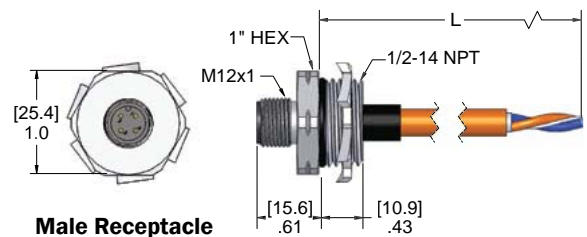
Profibus-PA MDC Receptacles 1/2"-14 NPT Threads						
# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
4	 M12 x 1	1. Orange(+) 2. N/C 3. Blue(-) 4. Shield	300V 4A	18 AWG	PBDC-4MR-2**-SS	PBDC-4FR-2**-SS

** Lengths in meters.

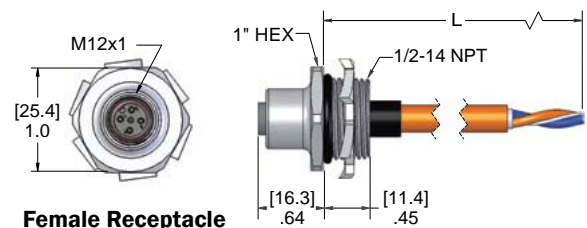
Lock Nut and O-Ring are included.

Specifications:

- Shell: Stainless Steel
- Insulator: PBIN: Oil Resistant Yellow PVC
PBDC: Polyamide
- Cable: Orange PVC, 2x18 AWG Cable with Foil Shield
- Contacts: Copper Alloy with Gold Plating
- O-ring: NBR
- Lock Nut: Zinc Plated Steel
- Temperature: -40°C to 105°C (-40°F to +221°F)



Male Receptacle



Female Receptacle

Profibus-PA Series

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Profibus-PA Series MDC Receptacles

4 Conductor Profibus-PA Series Receptacles, 18AWG



Front Mount Receptacles | PG9 & Metric Threads | 300 Volt, 4 amps | IP67 Rating

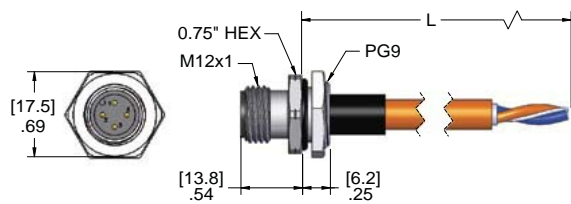


# of Poles	Male Faceview	Color Code	Rating	Wire AWG	Threads	Male Receptacles	Female Receptacles
4	<p>M12 x 1</p>	<ol style="list-style-type: none"> Blue(-) Orange(+) Shield N/C 	300V 4A	18 AWG	PG9	PBDC-4MR-PG9-**-SS	PBDC-4FR-PG9-**-SS
					M20	PBDC-4MR-M20-**-SS	PBDC-4FR-M20-**-SS

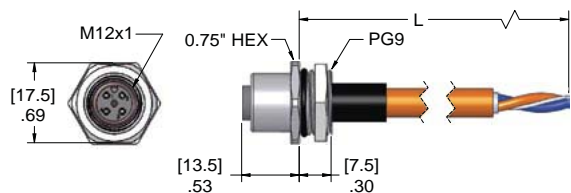
** Lengths in meters.

Lock Nut and O-Ring are included.

PG9 Threads

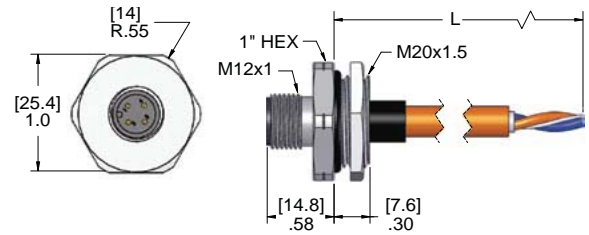


Male Receptacle

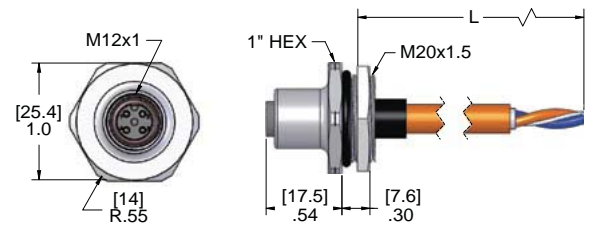


Female Receptacle

M20 Threads



Male Receptacle



Female Receptacle

Specifications:

- Shell: Stainless Steel
- Insulator: Polyamide
- Cable: Orange PVC, 2x18 AWG Cable with Foil Shield
- Contacts: Copper Alloy with Gold Plating
- O-Ring: NBR
- Jam Nut: Nickel Plated Brass
- Temperature: -40°C to 105°C (-40°F to +221°F)



Profibus-PA Series MIN Conduit Adapters

4 Conductor Profibus-PA Series Conduit Adapter



Conduit Adapters | MIN | MDC | 40 Volt, 4 amps | IP67 Rating

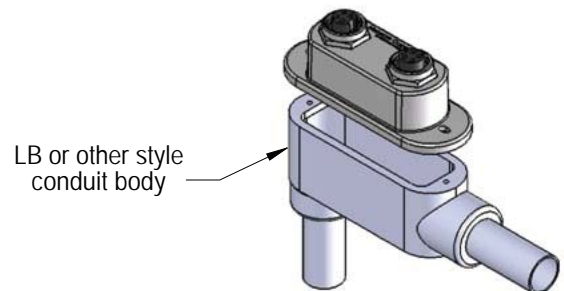
MIN Conduit Adapters						
# of Poles	Faceview	Rating	# of Ports	Part Number	Body Style	Circuit
4	<p>7/8"-16UN</p> <p>1 = ORANGE (+ V) 2 = GROUND 3 = BLUE (- V) 4 = BARE (SHIELD)</p>	40V 4A	1 Port	PBIN-1-4FR-CA		
	<p>1 = ORANGE (+ V) 2 = GROUND 3 = BLUE (- V) 4 = BARE (SHIELD)</p>		2 Port	PBIN-2-4FR-CA		
MDC Conduit Adapters						
4	<p>M12 x 1</p> <p>1 = ORANGE (+ V) 2 = GROUND 3 = BLUE (- V) 4 = BARE (SHIELD)</p>	40V 4A	1 Port	FFDC-1-4FR-CA		
	<p>1 = ORANGE (+ V) 2 = GROUND 3 = BLUE (- V) 4 = BARE (SHIELD)</p>		2 Port	FFDC-2-4FR-CA		

Profibus-PA Series

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Specifications:

- Housing: Glass Filled PBT
- Recp. Shell: Nickel Plated Brass
- Insert: Polyamide
- Contacts: Copper Alloy with Gold Plating
- Gasket: NBR
- Temperature: -40°C to 70°C (-40°F to +158°F)



Remove existing Conduit Body cover and replace with Mencom Conduit Adapter.

Works with all standard 3/4" NPT conduit bodies, including Form 8 and Mark 9 adapters. (screws are included with adapter)



Cable Glands

RoHS Compliance

Plastic & Metal Cable Glands | Adapters | Reducers & Enlargers | Grommets & Accessories

UL File #:

E363825

A cable gland is a device that allows the user to pass a cable, wire or tube into an enclosure while providing strain relief and sealing out dust, dirt and liquids. Mencom offers a wide variety of cable glands, from very small (PG7) to very large (M63). Our line of cable glands include plastic and metal varieties with NPT, Metric and PG threading and they are rated to IP68 up to 5 bar that can be used permanently under water up to 5 atmospheres. The sealing around the cable is achieved through the sealing grommet. The sealing against the enclosure is achieved through either an O-Ring (all metal glands and PG29 and larger plastic glands), or, through some raised rings on the underside of the hex nut (all plastic glands up to and including PG21).



Special Applications

- EMI Shielding Brass Cable Glands
- Strain Relief Cable Glands
- Explosion-Proof Plastic Cable Glands
- Cable Entry System



Cable Glands & Adapters

U

Contents

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		PG Holes	U-28
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Multi-Hole Cable Gland Inserts		U-29 ~ U-30	
O-Rings		U-31	
Cable Entry System	Plate KADP	U-32	
	System KADL	U-33	



Cable Glands

NPT Threads Cable Glands



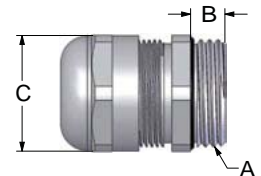
Standard Brass Cable Glands | NPT Threads | Shielded | IP68 Rating



Part Number	UL Rating	Diameter Range mm (Inches)	Mounting Hole Clearance mm (inches)	A Thread Type	B Thread Length mm (inches)	C Wrench Flats mm (inches)
MCG-3/8	UL Recognized	3 - 9 (0.118 - 0.354)	17.1 (0.675)	3/8" NPT	8 (0.315)	20 (0.79)
MCG-1/2	UL Recognized	5 - 13 (0.197 - 0.512)	21.0 (0.825)	1/2" NPT	10 (0.394)	24 (0.94)
MCG-3/4	UL Recognized	8 - 16 (0.315 - 0.630)	26.7 (1.050)	3/4" NPT	11 (0.433)	30 (1.18)
MCG-1.0	UL Recognized	12 - 21 (0.472 - 0.827)	34.3 (1.350)	1" NPT	14 (0.551)	40 (1.57)
MCG-1.25	UL Recognized	16 - 27 (0.630 - 1.063)	41.9 (1.650)	1.25" NPT	14 (0.551)	50 (1.97)
MCG-1.5	UL Recognized	21 - 35 (0.827 - 1.378)	49.5 (1.950)	1.5" NPT	15 (0.591)	55 (2.17)
MCG-2.0	UL Recognized	27 - 48 (1.063 - 1.890)	61.0 (2.400)	2" NPT	15 (0.591)	65 (2.56)

Mencom Cable Glands are easy to use and provide a good strain relief and water tight seal for round cables. The cable glands are rated up to IP 68 (comparable to NEMA 6P). The glands have a wide clamping range.

Mencom EMI Cable Glands provide an easy way to ground the shield from a shielded cable to the body of the metal cable gland. The seal rating is IP 68 (comparable to NEMA 6P).



NPT style cable glands are not supplied with nuts. Nuts can be ordered separately, see page U-5.

Materials:

Body: Nickel Plated Brass
 Insert: Polyamide
 Seal: Neoprene
 O-Ring: BUNA-N





Cable Glands

NPT Threads Cable Glands



Standard Plastic Cable Glands | NPT Threads | IP68 Rating



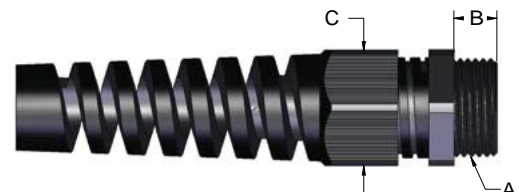
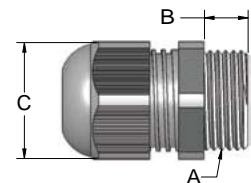
Part Number		UL Rating	Diameter Range mm (Inches)	Mounting Hole Clearance mm (inches)	A Thread Type	B Thread Length mm (inches)	C Wrench Flats mm (inches)
Gray	Black						
PCG-3/8R	PCG-3/8R-B	UL Recognized	3 - 7 (0.118 - 0.276)	17.1 (0.675)	3/8" NPT	15.5 (0.610)	22 (0.87)
PCG-3/8	PCG-3/8-B	UL Recognized	5 - 10 (0.197 - 0.394)	17.1 (0.675)	3/8" NPT	15.5 (0.610)	22 (0.87)
PCG-1/2X	PCG-1/2X-B	UL Recognized	5 - 9 (0.197 - 0.354)	21.0 (0.825)	1/2" NPT	14.5 (0.571)	24 (0.94)
PCG-1/2Y	PCG-1/2Y-B	UL Recognized	6 - 12 (0.236 - 0.472)	21.0 (0.825)	1/2" NPT	14.5 (0.571)	24 (0.94)
PCG-1/2R	PCG-1/2R-B	UL Recognized	7 - 12 (0.276 - 0.472)	21.0 (0.825)	1/2" NPT	15 (0.591)	27 (1.06)
PCG-1/2	PCG-1/2-B	UL Recognized	10 - 14 (0.394 - 0.551)	21.0 (0.825)	1/2" NPT	15 (0.591)	27 (1.06)
PCG-1/2E	PCG-1/2E-B	UL Recognized	13 - 18 (0.512 - 0.709)	21.0 (0.825)	1/2" NPT	15 (0.591)	33 (1.30)
PCG-3/4R	PCG-3/4R-B	UL Recognized	9 - 16 (0.354 - 0.630)	26.7 (1.050)	3/4" NPT	15 (0.591)	33 (1.30)
PCG-3/4	PCG-3/4-B	UL Recognized	14 - 18 (0.551 - 0.709)	26.7 (1.050)	3/4" NPT	15 (0.591)	33 (1.30)
PCG-1.0R	PCG-1.0R-B	UL Listed	12 - 20 (0.472 - 0.787)	34.3 (1.350)	1" NPT	18 (0.709)	42 (1.65)
PCG-1.0	PCG-1.0-B	UL Recognized	19 - 25 (0.748 - 0.984)	34.3 (1.350)	1" NPT	18 (0.709)	42 (1.65)
PCG-1.25R	PCG-1.25R-B	UL Recognized	20 - 26 (0.787 - 1.024)	41.9 (1.650)	1.25" NPT	18 (0.709)	53 (2.09)
PCG-1.25	PCG-1.25-B	UL Listed	22 - 32 (0.866 - 1.260)	41.9 (1.650)	1.25" NPT	18 (0.709)	53 (2.09)

For the flex style version, add "S" to the part number (e.g. PCG-1/2R-BS). Flex styles are not available on the PCG-1.0 or 1.25 versions.

Mencom Cable Glands are easy to use and provide a good strain relief and water tight seal for round cables. The cable glands are rated up to IP 68-5 Bar (comparable to NEMA 6P). The glands have a wide clamping range.

Materials:

Body: Polyamide
Seal: Neoprene



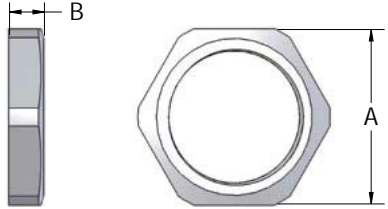


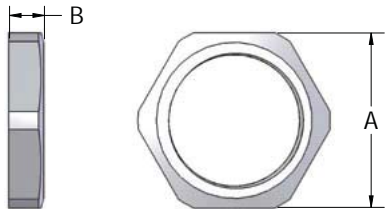
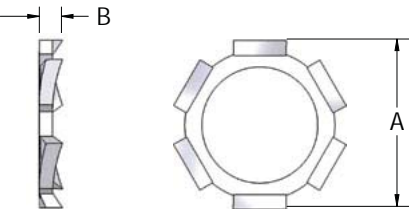
Cable Glands

NPT Threads Cable Gland Accessories



Nuts | Plastic | Metal | IP68 Rating

Plastic Nuts					
Part Number		Thread Type	A mm (inches)	B mm (inches)	Style
Gray	Black				
238PA	238PA/SW	3/8" NPT	22 (0.87)	5 (0.20)	 <p>Material: Polyamide</p>
212PA	212PA/SW	1/2" NPT	27 (1.06)	6 (0.24)	
234PA	234PA/SW	3/4" NPT	36 (1.42)	7 (0.28)	
210PA	210PA/SW	1" NPT	42 (1.65)	7 (0.28)	

Metal Nuts					
Part Number	Thread Type	A mm (inches)	B mm (inches)	Style	
214M	1/4" NPT	17.5 (0.69)	3.3 (0.13)	 <p>Material: Zinc Plated Steel</p>	
238M	3/8" NPT	20.1 (0.79)	3.0 (0.12)		
212M	1/2" NPT	28.4 (1.12)	3.3 (0.13)	 <p>Material: Zinc Plated Steel</p>	
234M	3/4" NPT	35.1 (1.38)	3.8 (0.15)		
210M	1" NPT	42.9 (1.69)	5.1 (0.20)		

Cable Glands & Adapters

U



Cable Glands

PG Threads Cable Glands

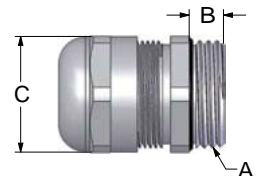


Standard Brass Cable Glands | PG Threads | IP68 Rating

Part Number	Diameter Range mm (Inches)	Mounting Hole Clearance mm (Inches)	A Thread Type	B Thread Length mm (Inches)	C Wrench Flats mm (Inches)
MCG-07R	2 - 5 (0.079 - 0.196)	12.7 (.500)	PG 7	5 (.197)	14 (.551)
MCG-07	3 - 6.5 (.118-.255)	12.7 (.500)	PG 7	5 (.197)	14 (.551)
MCG-09R	2 - 6 (0.079-.236)	15.4 (.606)	PG 9	6 (.236)	17 (.669)
MCG-09	4 - 8 (.157-.315)	15.4 (.606)	PG 9	6 (.236)	17 (.669)
MCG-11R	3 - 7 (.118-.275)	18.8 (.740)	PG 11	6 (.236)	20 (.787)
MCG-11	5 - 10 (.197-.393)	18.8 (.740)	PG 11	6 (.236)	20 (.787)
MCG-13.5R	5 - 9 (.197-.354)	20.7 (.815)	PG 13.5	6.5 (.256)	22 (.866)
MCG-13.5	6 - 12 (.236-.472)	20.7 (.815)	PG 13.5	6.5 (.256)	22 (.866)
MCG-16R	7 - 12 (.276-.472)	22.8 (.900)	PG 16	6.5 (.256)	24 (.945)
MCG-16	10 - 14 (.394-.551)	22.8 (.900)	PG 16	6.5 (.256)	24 (.945)
MCG-21R	9 - 16 (.354-.630)	28.6 (1.125)	PG 21	7 (.276)	30 (1.181)
MCG-21	13 - 18 (.512-.708)	28.6 (1.125)	PG 21	7 (.276)	30 (1.181)
MCG-29R	12 - 20 (.472-.787)	37.4 (1.475)	PG 29	8 (.315)	40 (1.575)
MCG-29	18 - 25 (.709-.984)	37.4 (1.475)	PG 29	8 (.315)	40 (1.575)
MCG-36R	20 - 26 (.787-1.02)	47.5 (1.870)	PG 36	9 (.354)	50 (1.968)
MCG-36	24 - 32 (.945-1.26)	47.5 (1.870)	PG 36	9 (.354)	50 (1.968)
MCG-42R	25 - 31 (.984-1.22)	54.5 (2.145)	PG 42	10 (.394)	57 (2.244)
MCG-42	30 - 38 (1.18-1.50)	54.5 (2.145)	PG 42	10 (.394)	57 (2.244)
MCG-48R	29 - 35 (1.14-1.38)	59.8 (2.354)	PG 48	10 (.394)	64 (2.520)
MCG-48	34 - 44 (1.34-1.73)	59.8 (2.354)	PG 48	10 (.394)	64 (2.520)

Longer thread length 15mm (0.590") is available, add "L" to the end of the part number (e.g. MCG-21L).

Mencom cable glands are easy to use and provide a good strain relief and water tight seal for round cables. The cable glands are rated up to IP 68 (comparable to NEMA 6P). The glands have a wide clamping range.



An O-Ring and Locking Nut are supplied on all PG threaded metal cable glands.

Materials:

Body: Nickel Plated Brass
 Insert: Polyamide
 Seal: Neoprene



Cable Glands

PG Threads Cable Glands



Standard Plastic Cable Glands | PG Threads | IP68 Rating



Part Number		UL Rating	Diameter Range mm (Inches)	Mounting Hole Clearance mm (inches)	A Thread Type	B Thread Length mm (inches)	C Wrench Flats mm (inches)
Gray	Black						
PCG-07R	PCG-07R-B	N/A	2 - 5 (.079-.196)	12.7 (.500)	PG 7	8 (.315)	15 (.591)
PCG-07	PCG-07-B	UL Recognized	3 - 6.5 (.118-.255)	12.7 (.500)	PG 7	8 (.315)	15 (.591)
PCG-09R	PCG-09R-B	N/A	2 - 6 (.079-.236)	15.4 (.606)	PG 9	8 (.315)	19 (.748)
PCG-09	PCG-09-B	UL Recognized	4 - 8 (.157-.315)	15.4 (.606)	PG 9	8 (.315)	19 (.748)
PCG-11R	PCG-11R-B	N/A	3 - 7 (.118-.275)	18.8 (.740)	PG 11	8 (.315)	22 (.866)
PCG-11	PCG-11-B	UL Recognized	5 - 10 (.197-.393)	18.8 (.740)	PG 11	8 (.315)	22 (.866)
PCG-13.5R	PCG-13.5R-B	UL Recognized	5 - 9 (.197-.354)	20.7 (.815)	PG 13.5	9 (.354)	24 (.945)
PCG-13.5	PCG-13.5-B	UL Recognized	6 - 12 (.236-.472)	20.7 (.815)	PG 13.5	9 (.354)	24 (.945)
PCG-16R	PCG-16R-B	N/A	7 - 12 (.276-.472)	22.8 (.900)	PG 16	10 (.394)	27 (1.06)
PCG-16	PCG-16-B	UL Listed	10 - 14 (.394-.551)	22.8 (.900)	PG 16	10 (.394)	27 (1.06)
PCG-21R	PCG-21R-B	N/A	9 - 16 (.354-.630)	28.6 (1.125)	PG 21	11 (.433)	33 (1.30)
PCG-21	PCG-21-B	UL Recognized	13 - 18 (.512-.708)	28.6 (1.125)	PG 21	11 (.433)	33 (1.30)
PCG-29R	PCG-29R-B	UL Listed	12 - 20 (.472-.787)	37.4 (1.475)	PG 29	11 (.433)	42 (1.65)
PCG-29	PCG-29-B	UL Listed	18 - 25 (.709-.984)	37.4 (1.475)	PG 29	11 (.433)	42 (1.65)
PCG-36R	PCG-36R-B	UL Listed	20 - 26 (.787-1.02)	47.5 (1.870)	PG 36	13 (.512)	53 (2.09)
PCG-36	PCG-36-B	UL Listed	22 - 32 (.866-1.26)	47.5 (1.870)	PG 36	13 (.512)	53 (2.09)
PCG-42R	PCG-42R-B	UL Listed	25 - 31 (.984-1.22)	54.5 (2.145)	PG 42	13 (.512)	60 (2.36)
PCG-42	PCG-42-B	UL Listed	30 - 38 (1.18-1.50)	54.5 (2.145)	PG 42	13 (.512)	60 (2.36)
PCG-48R	PCG-48R-B	UL Listed	29 - 35 (1.14-1.38)	59.8 (2.354)	PG 48	14 (.552)	65 (2.60)
PCG-48	PCG-48-B	UL Listed	34 - 44 (1.34-1.73)	59.8 (2.354)	PG 48	14 (.552)	65 (2.60)

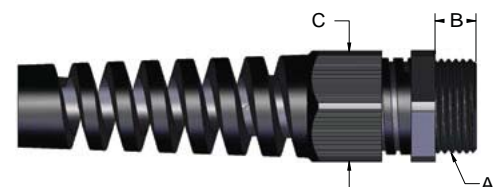
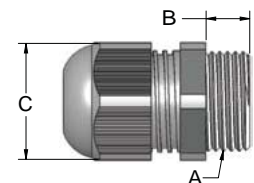
The Flex Style Version of UL recognized parts are also UL recognized. The Flex Style Version of UL listed parts are not listed or recognized. For the Flex Style Version, add "S" to the part number (e.g. PCG-16R-BS). Flex Styles are not available on the PCG-29 to PCG-48 versions.

Mencom Cable Glands are easy to use and provide a good strain relief and water tight seal for round cables. The cable glands are rated up to IP 68-5 Bar (comparable to NEMA 6P). The glands have a wide clamping range.

A Locking Nut is supplied on all PG threaded parts. O-Rings are not required to maintain a seal on sizes PG 7 to PG 21, but are supplied on size PG 29 and larger.

Materials:

Body: Nickel Plated Brass
 Insert: Polyamide
 Seal: Neoprene



Cable Glands & Adapters

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Cable Glands

PG Threads Cable Glands



Plastic Right Angle Cable Glands | PG Threads | IP68 Rating

Part Number	Diameter Range mm (Inches)	Mounting Hole Clearance mm (Inches)	A Thread Type	B Thread Length mm (Inches)	C Height mm (Inches)	D Length mm (Inches)	F Wrench Flats mm (Inches)	G Wrench Flats mm (Inches)
PCGA-07R	2 - 6 (0.079 - 0.236)	12.7 (0.500)	PG 7	8 (0.315)	26 (1.02)	38.5 (1.516)	15 (0.591)	19 (0.748)
PCGA-07	4 - 8 (0.157 - 0.315)	12.7 (0.500)	PG 7	8 (0.315)	26 (1.02)	38.5 (1.516)	15 (0.591)	19 (0.748)
PCGA-09R	3 - 7 (0.118 - 0.276)	15.4 (0.606)	PG 9	8 (0.315)	29 (1.14)	47 (1.850)	19 (0.748)	22 (0.866)
PCGA-09	5 - 10 (0.197 - 0.394)	15.4 (0.606)	PG 9	8 (0.315)	29 (1.14)	47 (1.850)	19 (0.748)	22 (0.866)
PCGA-11R	5 - 7 (0.197 - 0.276)	18.8 (0.740)	PG 11	8 (0.315)	31.3 (1.23)	51 (2.008)	22 (0.866)	24 (0.945)
PCGA-11	6 - 12 (0.236 - 0.472)	18.8 (0.740)	PG 11	8 (0.315)	31.3 (1.23)	51 (2.008)	22 (0.866)	24 (0.945)
PCGA-13.5R	7 - 12 (0.276 - 0.472)	20.7 (0.815)	PG 13.5	9 (0.354)	34 (1.34)	54.7 (2.154)	24 (0.945)	27 (1.063)
PCGA-13.5	10 - 14 (0.394 - 0.551)	20.7 (0.815)	PG 13.5	9 (0.354)	34 (1.34)	54.7 (2.154)	24 (0.945)	27 (1.063)
PCGA-16	8 - 17 (0.315 - 0.669)	22.8 (0.900)	PG 16	10 (0.394)	38.2 (1.50)	57 (2.241)	27 (1.063)	29 (1.142)
PCGA-21	12 - 21 (0.472 - 0.827)	28.6 (1.125)	PG 21	11 (0.433)	45.7 (1.80)	71 (2.795)	33 (1.299)	36 (1.417)
PCGA-29	16 - 28 (0.629 - 1.102)	37.4 (1.475)	PG 29	11 (0.433)	57 (2.24)	85 (3.346)	42 (1.654)	46 (1.811)

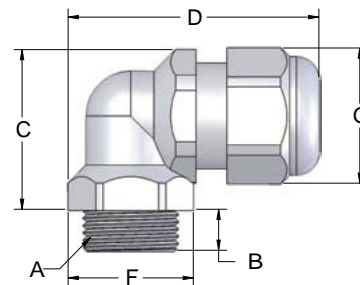
Standard color is gray. For black, add "-B" to the end of the part number (e.g. PCGA-09R-B).

Mencom Cable Glands are easy to use and provide a good strain relief and water tight seal for round cables. The cable glands are rated up to IP 68-5 Bar (comparable to NEMA 6P). The glands have a wide clamping range.

A Locking Nut is supplied on all PG threaded parts.

Materials:

Body: Nickel Plated Brass
 Seal: Neoprene





Cable Glands

PG Threads Cable Glands

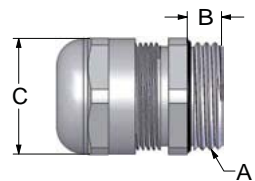


EMI Shielding Brass Cable Glands | PG Threads | IP68 Rating

Part Number	Diameter Range mm (Inches)	Mounting Hole Clearance mm (inches)	A Thread Type	B Thread Length mm (Inches)	C Wrench Flats mm (inches)
MCGB-07R	2 - 5 (.079-.196)	12.7 (.500)	PG 7	5 (.197)	14 (.551)
MCGB-07	3 - 6.5 (.118-.255)	12.7 (.500)	PG 7	5 (.197)	14 (.551)
MCGB-09R	2 - 6 (.079-.236)	15.4 (.606)	PG 9	6 (.236)	17 (.669)
MCGB-09	4 - 8 (.157-.315)	15.4 (.606)	PG 9	6 (.236)	17 (.669)
MCGB-11R	3 - 7 (.118-.275)	18.8 (.740)	PG 11	6 (.236)	20 (.787)
MCGB-11	5 - 10 (.197-.393)	18.8 (.740)	PG 11	6 (.236)	20 (.787)
MCGB-13.5R	5 - 9 (.197-.354)	20.7 (.815)	PG 13.5	6.5 (.256)	22 (.866)
MCGB-13.5	6 - 12 (.236-.472)	20.7 (.815)	PG 13.5	6.5 (.256)	22 (.866)
MCGB-16R	7 - 12 (.276-.472)	22.8 (.900)	PG 16	6.5 (.256)	24 (.945)
MCGB-16	10 - 14 (.394-.551)	22.8 (.900)	PG 16	6.5 (.256)	24 (.945)
MCGB-21R	9 - 16 (.354-.630)	28.6 (1.125)	PG 21	7 (.276)	30 (1.181)
MCGB-21	13 - 18 (.512-.708)	28.6 (1.125)	PG 21	7 (.276)	30 (1.181)
MCGB-29R	12 - 20 (.472-.787)	37.4 (1.475)	PG 29	8 (.315)	40 (1.575)
MCGB-29	18 - 25 (.709-.984)	37.4 (1.475)	PG 29	8 (.315)	40 (1.575)
MCGB-36R	20 - 26 (.787-1.02)	47.5 (1.870)	PG 36	9 (.354)	50 (1.968)
MCGB-36	24 - 32 (.866-1.26)	47.5 (1.870)	PG 36	9 (.354)	50 (1.968)
MCGB-42R	25 - 31 (.984-1.22)	54.5 (2.145)	PG 42	10 (.394)	57 (2.244)
MCGB-42	30 - 38 (1.18-1.50)	54.5 (2.145)	PG 42	10 (.394)	57 (2.244)
MCGB-48R	29 - 35 (1.14-1.38)	59.8 (2.354)	PG 48	10 (.394)	64 (2.520)
MCGB-48	34 - 44 (1.34-1.73)	59.8 (2.354)	PG 48	10 (.394)	64 (2.520)

Mencom EMI Cable Glands provide an easy way to ground the shield from a shielded cable to the body of the metal cable gland. The seal rating is IP 68 (comparable to NEMA 6P).

A Locking Nut is supplied on all PG threaded parts.



Materials:

Body: Nickel Plated Brass
 Insert: Polyamide
 Seal: Neoprene



Cable Glands & Adapters

U



Cable Glands

PG Threads Cable Glands



Clamping Cable Glands | CRSS Series | PG Threads | IP55 Rating

Part Number	Diameter Range mm (inches)	Thread Type
CRSS-09	7 - 10 (0.255 - 0.374)	PG 9
CRSS-11	8 - 12 (0.295 - 0.452)	PG 11
CRSS-13.5	9 - 13 (0.334 - 0.531)	PG 13.5
CRSS-16	10 - 15 (0.374 - 0.591)	PG 16
CRSS-21	12.5 - 19 (0.472 - 0.748)	PG 21
CRSS-29	19 - 27 (0.728 - 1.063)	PG 29
CRSS-36	26 - 33 (1.00 - 1.30)	PG 36
CRSS-42	30.5 - 39 (1.18 - 1.54)	PG 42
CRSS-48	35 - 45 (1.35 - 1.77)	PG 48

CRSS Series

Nickel Plated Brass Cable Gland with self-centering double saddle clamps. The seal is achieved with a neoprene sealing ring (with multiple perforations to accommodate a wide range of diameters). Brass Nuts and O-Rings for these must be ordered separately. Protection to IP 55.





Plastic Nuts					
Part Number		A (mm)	B (mm)	Thread Type	Style
Gray	Black				
207PA	207PA/SW	19	5	PG 7	<p>Material: Polyamide</p>
209PA	209PA/SW	22	5	PG 9	
211PA	211PA/SW	24	5	PG 11	
213PA	213PA/SW	27	6	PG 13.5	
216PA	216PA/SW	30	6	PG 16	
221PA	221PA/SW	36	7	PG 21	
229PA	229PA/SW	46	7	PG 29	
236PA	236PA/SW	60	8	PG 36	
242PA	242PA/SW	65	8	PG 42	
248PA	248PA/SW	70	8	PG 48	

Metal Nuts					
Part Number		A (mm)	B (mm)	Thread Type	Style
Standard Metal Nut	207M				
	209M	18	2.8	PG 9	
	211M	21	3	PG 11	
	213M	23	3	PG 13.5	
	216M	26	3	PG 16	
	221M	32	3.5	PG 21	
	229M	41	4	PG 29	
	236M	51	5	PG 36	
	242M	65	5	PG 42	
	248M	69	5.5	PG 48	
Cutting Metal Nut	207MPOT	15	2.8	PG 7	<p>Material: Nickel Plated Brass</p>
	209MPOT	18	2.8	PG 9	
	211MPOT	21	3	PG 11	
	213MPOT	23	3	PG 13.5	
	216MPOT	26	3	PG 16	
	221MPOT	32	3.5	PG 21	
	229MPOT	41	4	PG 29	
	236MPOT	51	5	PG 36	
	242MPOT	65	5	PG 42	
	248MPOT	69	5.5	PG 48	

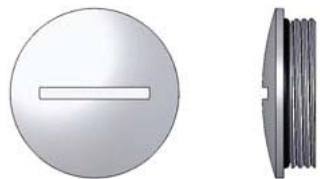


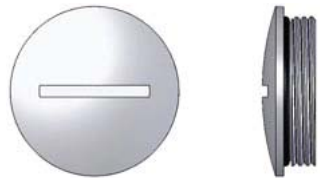
Cable Glands Accessories

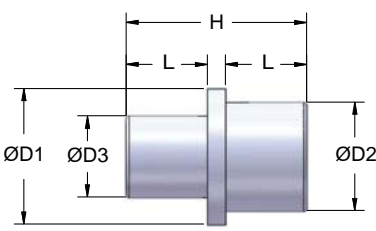
PG Threads Cable Gland Plugs



Blanking Plugs | Blind Plugs | PG Threads | IP68 Rating

Plastic Blanking Plugs					
Part Number		Diameter (mm)	Thread Length (mm)	Thread Type	Style
Gray	Black				
CRB-07PA	CRB-07PA/SW	15	6	PG 07	 <p>Materials: Polystyrene</p>
CRB-09PA	CRB-09PA/SW	19	6	PG 09	
CRB-11PA	CRB-11PA/SW	22	6	PG 11	
CRB-13.5PA	CRB-13.5PA/SW	25	6	PG 13.5	
CRB-16PA	CRB-16PA/SW	27	6	PG 16	
CRB-21PA	CRB-21PA/SW	33	8	PG 21	
CRB-29PA	CRB-29PA/SW	44.5	8	PG 29	
CRB-36PA	CRB-36PA/SW	55.5	10	PG 36	
CRB-42PA	CRB-42PA/SW	62.5	10	PG 42	
CRB-48PA	CRB-48PA/SW	69.5	12	PG 48	

Metal Blanking Plugs				
Part Number	Diameter (mm)	Thread Length (mm)	Thread Type	Style
CRB-07	16	4.5	PG 07	 <p>Materials: Nickel Plated Brass</p>
CRB-09	19	4.5	PG 09	
CRB-11	22	4.5	PG 11	
CRB-13.5	24	6.0	PG 13.5	
CRB-16	26	6.0	PG 16	
CRB-21	32	6.0	PG 21	
CRB-29	39	8.0	PG 29	
CRB-36	50	9.0	PG 36	
CRB-42	57	10.0	PG 42	
CRB-48	64	10.0	PG 48	

Blind Plugs							
Part Number	Thread Type	L	H	D1	D2	D3	Style
PG07-BP	PG 07	6	14	8.5	6.5	5	 <p>Materials: Polyamide</p>
PG09-BP	PG 09	7	16	10	8	6	
PG11-BP	PG 11	8	18	12	10	7	
PG13.5-BP	PG 13.5	9	20	14	12	9	
PG16-BP	PG 16	10	22.5	16	14	12	
PG21-BP	PG 21	12	26.5	20	18	16	
PG29-BP	PG 29	14	30.5	28	25	20	

This insert is used to block a PCG or MCG style cable gland that is not currently in use, but is installed onto a panel. The Blind Plug will enable the cable gland to seal to IP 68. The Blind Plug is NOT for use in the EX style cable glands.



PG to NPT Adapter							Style
Part Number	A External	B Internal	C (mm)	D (mm)	E (mm)	F (mm)	
PG11-3/8	PG 11	3/8" NPT	14	6.0	13.5	20	<p>Materials: Body: Nickel Plated Brass O-Ring: BUNA-N</p>
PG11-1/2	PG 11	1/2" NPT	18	6.5	13	24	
PG13.5-1/2	PG 13.5	1/2" NPT	18	6.5	17	24	
PG16-1/2	PG 16	1/2" NPT	18	6.5	17	24	
PG21-3/4	PG 21	3/4" NPT	18	7.0	22	30	
PG29-1	PG 29	1.0" NPT	18	8.0	29	39	
PG36-1.25	PG 36	1.25" NPT	20	9.0	36	50	
PG42-1.5	PG 42	1.5" NPT	18	10	42.7	57	

PG to Metric Adapter							Style
Part Number	A External	B Internal	C (mm)	D (mm)	E (mm)	F (mm)	
PG07-M12	PG 07	M12 x 1.5	14	5	15	9	<p>Materials: Body: Nickel Plated Brass O-Ring: BUNA-N</p>
PG09-M16	PG 09	M16 x 1.5	19	6	16	12.2	
PG11-M16	PG 11	M16 x 1.5	22	6	16	13	
PG13.5-M20	PG 13.5	M20 x 1.5	24	6.5	17.5	16	
PG16-M20	PG 16	M20 x 1.5	27	6.5	17.5	18.5	
PG16-M25	PG 16	M25 x 1.5	30	6.5	18.5	18.5	
PG21-M25	PG 21	M25 x 1.5	32	7	19	23	
PG21-M32	PG 21	M32 x 1.5	36	7	20	23	
PG29-M40	PG 29	M40 x 1.5	43	8	21	32	
PG36-M50	PG 36	M50 x 1.5	55	9	23	42	
PG42-M63	PG 42	M63 x 1.5	65	10	25	48	

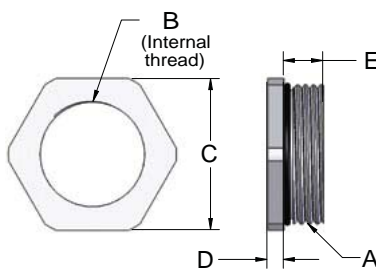


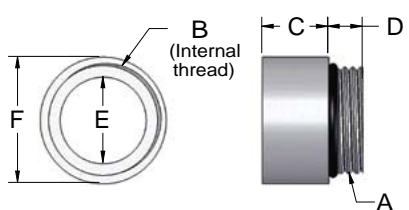
Cable Glands Accessories

PG Threads Cable Gland Reducers & Enlargers



Reducers | Enlargers | PG Threads

PG Reducers						
Part Number	A	B	C (mm)	D (mm)	E (mm)	Style
CEC-07	PG 09	PG 07	18	2.5	6	 <p>Materials: Body: Nickel Plated Brass O-Ring: BUNA-N</p>
CEC-07X	PG 11	PG 07	20	2.5	6	
CEC-07Y	PG 13.5	PG 07	24	3	6.5	
CEC-07Z	PG 16	PG 07	24	3	6.5	
CEC-09	PG 11	PG 09	20	2.5	6	
CEC-09X	PG 13.5	PG 09	24	3	6.5	
CEC-09Y	PG 16	PG 09	24	3	6.5	
CEC-11	PG 13.5	PG 11	24	3	6.5	
CEC-11X	PG 16	PG 11	24	3	6.5	
CEC-13.5	PG 16	PG 13.5	24	3	6.5	
CEC-13.5X	PG 21	PG 13.5	32	3	7	
CEC-16	PG 21	PG 16	32	3	7	
CEC-16X	PG 29	PG 16	41	3.5	8	
CEC-21	PG 29	PG 21	41	3.5	8	
CEC-29	PG 36	PG 29	50	3.5	9	

PG Enlargers							
Part Number	A	B	C (mm)	D (mm)	E (mm)	F (mm)	
CRC-09	PG 09	PG 11	10.5	6	12	20	 <p>Materials: Body: Nickel Plated Brass O-Ring: BUNA-N</p>
CRC-09X	PG 09	PG 13.5	11.5	6	12	22	
CRC-11	PG 11	PG 13.5	11.5	6	15	22	
CRC-11X	PG 11	PG 16	12.5	6.5	15	24	
CRC-13.5	PG 13.5	PG 16	12.5	6.5	17	24	
CRC-16	PG 16	PG 21	14.5	6.5	18.5	30	
CRC-16X	PG 16	PG 29	16	6.5	18.5	39	
CRC-21	PG 21	PG 29	16	7	24	39	
CRC-29	PG 29	PG 36	19.5	8	32	50	
CRC-36	PG 36	PG 42	22	9	42	57	

Cable Glands & Adapters

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Cable Glands

Metric Threads Cable Glands



Standard Brass Cable Glands | Metric Threads | IP68/IP69K Rating



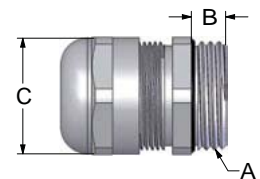
Part Number	UL Rating	IP Rating	Diameter Range (mm)	A Mounting Hole Clearance (mm)	B Thread Length (mm)	C Wrench Flats (mm)	Thread Type
MCG-M06***	N/A	IP68	2 - 3.2	6.2	6	8	M6 x 1.0
MCG-M08***	N/A	IP68	3 - 5	8.2	4	11	M8 x 1.25
MCG-M12	UL Recognized	IP69K	3 - 6	12.2	5	14	M12 x 1.5
MCG-M16	UL Recognized	IP69K	3 - 9	16.2	5	17	M16 x 1.5
MCG-M20	UL Recognized	IP69K	5 - 13	20.2	6	22	M20 x 1.5
MCG-M25	UL Recognized	IP69K	8 - 16	25.2	7	27	M25 x 1.5
MCG-M32	UL Recognized	IP68	12 - 21	32.2	8	34	M32 x 1.5
MCG-M40	UL Recognized	IP68	16 - 27	40.2	8	43	M40 x 1.5
MCG-M50	UL Recognized	IP69K	21 - 35	50.2	9	55	M50 x 1.5
MCG-M63	UL Recognized	IP69K	27-48	63.2	10	65	M63 x 1.5

*** MCG-M06 & MCG-M08 are not supplied with jam nuts. Nuts are not available for these cable glands.

M12 through M32 are also available in Stainless steel. Add "SS" to the part number (e.g. MCG-M12-SS). Stainless steel glands do not come with jam nuts.

Mencom Cable Glands are easy to use and provide a good strain relief and water tight seal for round cables. The cable glands are rated up to IP 68 (comparable to NEMA 6P). The glands have a wide clamping range.

A Locking Nut and an O-Ring are supplied on all Metric threaded Metal Cable Glands, except where noted.



Materials:

Body: Nickel Plated Brass

Insert: Polyamide

Seal: Neoprene

O-Ring: BUNA-N



Cable Glands

Metric Threads Cable Glands



Standard Plastic Cable Glands | Metric Threads | IP68 Rating

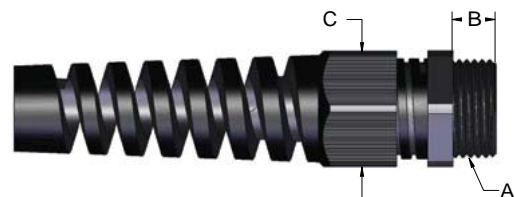
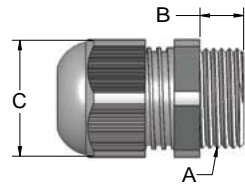


Part Number		UL Rating	Diameter Range (mm)	A Mounting Hole Clearance (mm)	B Thread Length (mm)	C Wrench Flats (mm)	Thread Type
Gray	Black						
PCG-M12R	PCG-M12R-B	N/A	2 - 5	12.2	8	15	M12 x 1.5
PCG-M12	PCG-M12-B	UL Recognized	3 - 6.5	12.2	8	15	M12 x 1.5
PCG-M16R	PCG-M16R-B	N/A	3 - 7	16.2	8	22	M16 x 1.5
PCG-M16	PCG-M16-B	UL Recognized	5 - 10	16.2	8	22	M16 x 1.5
PCG-M20R	PCG-M20R-B	UL Recognized	5 - 9	20.2	8	24	M20 x 1.5
PCG-M20	PCG-M20-B	UL Listed	10 - 14	20.2	8	24	M20 x 1.5
PCG-M25R	PCG-M25R-B	N/A	9 - 16	25.2	8	33	M25 x 1.5
PCG-M25	PCG-M25-B	UL Recognized	13 - 18	25.2	8	33	M25 x 1.5
PCG-M32R	PCG-M32R-B	UL Listed	12 - 20	32.2	10	42	M32 x 1.5
PCG-M32	PCG-M32-B	UL Listed	18 - 25	32.2	10	42	M32 x 1.5
PCG-M40R	PCG-M40R-B	UL Listed	20 - 26	40.2	10	53	M40 x 1.5
PCG-M40	PCG-M40-B	UL Listed	22 - 32	40.2	10	53	M40 x 1.5
PCG-M50R	PCG-M50R-B	UL Listed	25 - 31	50.2	12	60	M50 x 1.5
PCG-M50	PCG-M50-B	UL Listed	30 - 38	50.2	12	60	M50 x 1.5
PCG-M63R	PCG-M63R-B	UL Listed	29 - 35	63.2	12	65	M63 x 1.5
PCG-M63	PCG-M63-B	UL Listed	34 - 44	63.2	12	65	M63 x 1.5

The Flex Style Version of UL recognized & UL listed parts are also UL recognized and UL listed. For the flex style version, add "S" to the part number (e.g. PCG-M25-BS). Flex styles are not available on the PCG-M32 to PCG-M63 versions.

Mencom Cable Glands are easy to use and provide a good strain relief and water tight seal for round cables. The cable glands are rated up to IP 68-5 Bar (comparable to NEMA 6P). The glands have a wide clamping range.

A Locking Nut is supplied on all Metric threaded parts. O-Rings are not required to maintain a seal on any sizes smaller than M32. An O-Ring is supplied on size M32 and larger.



Materials:

Body: Polyamide
Seal: Neoprene



Cable Glands

Metric Threads Cable Glands



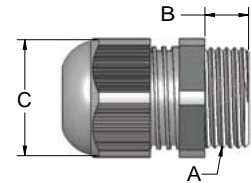
Dual Grommet Plastic Cable Glands | Metric Threads | IP68 Rating



Part Number		UL Rating	Diameter Range (mm)	A Mounting Hole Clearance (mm)	B Thread Length (mm)	C Wrench Flats (mm)	Thread Type
Gray	Black						
PCGU-M12	PCGU-M12-B	UL Recognized	2 - 5	12.2	8	15	M12 X 1.5
PCGU-M16	PCGU-M16-B	UL Recognized	3 - 10	16.2	8	20	M16 X 1.5
PCGU-M20	PCGU-M20-B	UL Recognized	5 - 13	20.2	8	24	M20 X 1.5
PCGU-M25	PCGU-M25-B	UL Recognized	8 - 17	25.2	8	29	M25 X 1.5
PCGU-M32	PCGU-M32-B	UL Recognized	12 - 21	32.2	10	36	M32 X 1.5
PCGU-M40	PCGU-M40-B	UL Recognized	16 - 28	40.2	10	46	M40 X 1.5
PCGU-M50	PCGU-M50-B	UL Recognized	21 - 35	50.2	12	55	M50 X 1.5
PCGU-M63	PCGU-M63-B	N/A	27 - 48	63.2	12	68	M63 X 1.5

These Cable Glands have a dual grommet system that allows for a much wider range in diameter than the standard plastic cable glands. Cables that are in the lower part of the diameter range will fit into the cable gland without any change. For cables that are in the upper part of the diameter range, the dome nut is removed and the seals are removed. Separate the inner seal from the outer seal into the cable gland and then put the outer seal back in place. It is now ready for use with the larger cable.

A Locking Nut is supplied on all Metric threaded parts. An O-Ring is not needed on any sizes smaller than M32. An O-Ring is supplied on size M32 and larger.



Materials:

Body: Nickel Plated Brass

O-Ring: BUNA-N



Cable Glands

Metric Threads Cable Glands



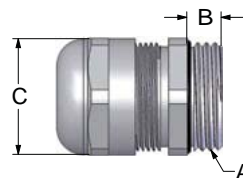
EMI Shielding Brass Cable Glands | Metric Threads | IP68/IP69K Rating



Part Number	UL Rating	IP Rating	Diameter Range (mm)	A Mounting Hole Clearance (mm)	B Thread Length (mm)	C Wrench Flats (mm)	Thread Type
MCGB-M12	UL Recognized	IP69K	3 - 6	12.2	5	14	M12 x 1.5
MCGB-M12L	UL Recognized	IP69K	3 - 6	12.2	10	14	M12 x 1.5
MCGB-M16	UL Recognized	IP69K	3 - 9	16.2	5	17	M16 x 1.5
MCGB-M16L	UL Recognized	IP69K	3 - 9	16.2	10	17	M16 x 1.5
MCGB-M20	UL Recognized	IP69K	5 - 13	20.2	6	22	M20 x 1.5
MCGB-M20L	UL Recognized	IP69K	5 - 13	20.2	10	22	M20 x 1.5
MCGB-M25	UL Recognized	IP69K	8 - 16	25.2	7	27	M25 x 1.5
MCGB-M25L	UL Recognized	IP69K	8 - 16	25.2	11	27	M25 x 1.5
MCGB-M32	UL Recognized	IP68	12 - 21	32.2	8	34	M32 x 1.5
MCGB-M32L	UL Recognized	IP68	12 - 21	32.2	13	34	M32 x 1.5
MCGB-M40	UL Recognized	IP68	16 - 27	40.2	8	43	M40 x 1.5
MCGB-M40L	UL Recognized	IP68	16 - 27	40.2	13	43	M40 x 1.5
MCGB-M50	UL Recognized	IP69K	21 - 35	50.2	9	55	M50 x 1.5
MCGB-M50L	UL Recognized	IP69K	21 - 35	50.2	14	55	M50 x 1.5
MCGB-M63	UL Recognized	IP69K	27 - 48	63.2	10	65	M63 x 1.5

Lock Nuts are supplied with all cable glands listed other than MCGB-M12, MCGB-M16 and MCGB-M20. These threads are too short to be used with Lock Nuts.

Mencom EMI Cable Glands provide an easy way to ground the shield from a shielded cable to the body of the metal cable gland. The seal rating is IP 68.



Cable Glands & Adapters

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Materials:

Body: Nickel Plated Brass
 Insert: Polyamids
 O-Ring: Neoprene





Cable Glands

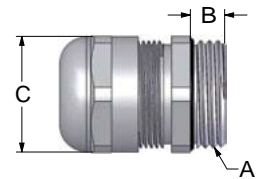
Metric Threads Cable Glands



Explosion-Proof Brass Cable Glands | Metric Threads | IP68 Rating

Part Number	Diameter Range (mm)	A Mounting Hole Clearance (mm)	B Thread Length (mm)	C Wrench Flats (mm)	Thread Type
MCGEX-M12	3 - 6.5	12.2	5	14	M12 x 1.5
MCGEX-M16	5 - 9	16.2	5	17	M16 x 1.5
MCGEX-M20	6 - 12	20.2	6	22	M20 x 1.5
MCGEX-M25	11 - 16	25.2	7	27	M25 x 1.5
MCGEX-M32	14 - 21	32.2	8	34	M32 x 1.5
MCGEX-M40	19 - 27	40.2	8	43	M40 x 1.5
MCGEX-M50	24 - 35	50.2	9	55	M50 x 1.5
MCGEX-M63	32 - 42	63.2	10	65	M63 x 1.5

These Explosion-Proof Cable Glands are made of Nickel Plated Brass and are for potentially explosive areas according to EN 50014 and EN 50019. The type of protection is EExd e II-increased safety. There is excellent strain relief, a wide clamping range, and a torsion protected plastic insert that is resistant to impact at cold temperatures. Also, the cable glands feature a neoprene sealing insert, the O-Ring seal is BUNA-N, and the permanent ambient temperature is -25°C to +80°C (-13° F to +176°F). Protection type is IP 68 according to EN 60529, E-Generation, certificate of conformity: DMT 99 ATEX E 016. Locking Nuts must be ordered separately.



ATEX 100a

With a view toward further harmonization of the legal provisions in the European Union in respect to the use of equipment and protection systems in accordance with the regulations in areas subject to explosion hazards, the European Parliament and Council passed Directive 94/9/EC on the 23rd of March, 1994. This directive is also known as ATEX 100A. The period for implementing this guideline started on the 1st of March, 1996 and from the 1st of July, 2003 onwards, it will replace and supplement all directives on explosion protection applicable to date at the European level. The single market requires national regulations to be replaced by European Standards (EN).

he ATEX 100A governs the requirements for all (both electrical and non-electrical) equipment and protection systems which are intended for use in areas subject to explosion hazards. Monitoring, control and safety equipment for use outside areas subject to explosion hazards also fall within the provisions of this directive if they are necessary in view of explosion hazards for the safe running of equipment and protection systems.

The explosion-proof cable glands listed in this catalog are produced in Germany and are for use in areas subject to explosion hazards. Such parts are also termed "cable glands and entry fittings" (abbreviated KLE) and "accessories."

EN 50014 defines cable glands and entry fittings as equipment which allows one or several electrical and/or fibre optic cables or wires to be inserted into electrical equipment while retaining the corresponding type of protection.

The explosion-proof KLE items contained in this catalog are suitable for inserting cables and wires into housing of protection type EEx e "increased safety," and EEx i "inherent safety" in Device Groups II and Categories 2 and 3.

For further information on ATEX and European explosion-proof classifications, please consult the factory.

These specifications are not intended to be correlated to or to be a substitution for U.S. Explosion-Proof ratings.



Cable Glands

Metric Threads Cable Glands



Explosion-Proof Plastic Cable Glands | Metric Threads | IP66 Rating

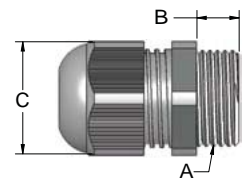
Part Number	Color	Diameter Range (mm)	A Mounting Hole Clearance (mm)	B Thread Length (mm)	C Wrench Flats (mm)	Thread Type
PCGEX-M12-B	Black	4 - 7	12.2	8	15	M12 x 1.5
PCGEX-M12L-B	Black	4 - 7	12.2	12	15	M12 x 1.5
PCGEX-M16-B	Black	5.5 - 10	16.2	8	20	M16 x 1.5
PCGEX-M16L-B	Black	5.5 - 10	16.2	12	20	M16 x 1.5
PCGEX-M20-B	Black	5.5 - 13	20.2	8	24	M20 x 1.5
PCGEX-M20L-B	Black	5.5 - 13	20.2	13	24	M20 x 1.5
PCGEX-M25-B	Black	8 - 17	25.2	8	29	M25 x 1.5
PCGEX-M25L-B	Black	8 - 17	25.2	13	29	M25 x 1.5
PCGEX-M32-B	Black	12 - 21	32.2	10	36	M32 x 1.5
PCGEX-M40-B	Black	17 - 28	40.2	10	46	M40 x 1.5
PCGEX-M50-B	Black	22 - 35	50.2	12	55	M50 x 1.5
PCGEX-M63-B	Black	27 - 48	63.2	12	68	M63 x 1.5

Intrinsically safe explosion proof versions are also available, please consult the factory.
 Protection type EExd e II is a standard European classification.
 These specifications are NOT intended to be correlated to or to be a substitution for U.S. Explosion-Proof ratings.

Type of protection EExd e II- increased safety. Permanent ambient temperature -50°C to +55°C (-58°F to +131°F). Protection type is IP 66 according to EN 60529. Certificate of conformity: PTB-No. Ex-92-C.3142; PTB-No. Ex-92.C3108X (M12 & M16).

Locking Nuts must be ordered separately.

Materials: ALCRYM





Plastic Nuts					
Part Number		A (mm)	B (mm)	Thread Type	Style
Gray	Black				
2M12PA	2M12PA/SW	17	5	M12 x 1.5	<p>Materials: Polyamide</p>
2M16PA	2M16PA/SW	22	5	M16 x 1.5	
2M20PA	2M20PA/SW	27	6	M20 x 1.5	
2M25PA	2M25PA/SW	32	6	M25 x 1.5	
2M32PA	2M32PA/SW	41	7	M32 x 1.5	
2M40PA	2M40PA/SW	50	7	M40 x 1.5	
2M50PA	2M50PA/SW	60	8	M50 x 1.5	
2M63PA	2M63PA/SW	75	8	M63 x 1.5	

Metal Nuts					
Part Number		A (mm)	B (mm)	Thread Type	Style
Nickel Plated Brass	Stainless Steel				
2M12M	2M12M-SS	15	2.8	M12 x 1.5	<p>Materials: Nickel Plated Brass/ Stainless Steel</p>
2M16M	2M16M-SS	19	2.8	M16 x 1.5	
2M20M	2M20M-SS	24	3	M20 x 1.5	
2M25M	2M25M-SS	30	3.5	M25 x 1.5	
2M32M	2M32M-SS	36	4	M32 x 1.5	
2M40M	2M40M-SS	46	5	M40 x 1.5	
2M50M	2M50MPOT-SS	60	5	M50 x 1.5	
2M63M	2M63MPOT-SS	70	6	M63 x 1.5	

Cutting Metal Nuts					
Part Number	A (mm)	B (mm)	Thread Type	Style	
2M12MPOT	15	2.8	M12 x 1.5	<p>Materials: Nickel Plated Brass</p>	
2M16MPOT	19	2.8	M16 x 1.5		
2M20MPOT	24	3	M20 x 1.5		
2M25MPOT	30	3.5	M25 x 1.5		
2M32MPOT	36	4	M32 x 1.5		
2M40MPOT	46	5	M40 x 1.5		
2M50MPOT	60	5	M50 x 1.5		
2M63MPOT	70	6	M63 x 1.5		

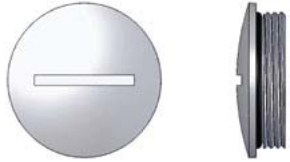


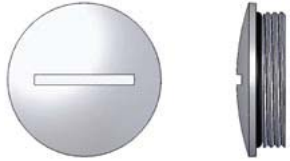
Cable Glands Accessories

Metric Threads Cable Gland Plugs



Blanking Plugs | Metric Threads | IP68 Rating

Plastic Blanking Plugs					
Part Number		Diameter (mm)	Thread Length (mm)	Thread Type	Style
Gray	Black				
CRB-M12PA	CRB-M12PA/SW	15	6	M12 x 1.5	 <p>Materials: Metal: Nickel Plated Brass O-Ring: BUNA-N</p>
CRB-M16PA	CRB-M16PA/SW	20	6	M16 x 1.5	
CRB-M20PA	CRB-M20PA/SW	24	6	M20 x 1.5	
CRB-M25PA	CRB-M25PA/SW	30	8	M25 x 1.5	
CRB-M32PA	CRB-M32PA/SW	37	8	M32 x 1.5	
CRB-M40PA	CRB-M40PA/SW	46	8	M40 x 1.5	
CRB-M50PA	CRB-M50PA/SW	56	10	M50 x 1.5	
CRB-M63PA	CRB-M63PA/SW	70	12	M63 x 1.5	

Metal Blanking Plugs					
Part Number	UL Rating	Diameter (mm)	Thread Length (mm)	Thread Type	Style
CRB-M12	UL recognized	16	5	M12 x 1.5	 <p>Materials: Plastic: Polyamide O-Ring: BUNA-N</p>
CRB-M16	UL recognized	20	6	M16 x 1.5	
CRB-M20	UL listed	24	6.5	M20 x 1.5	
CRB-M25	UL listed	28	7	M25 x 1.5	
CRB-M32	UL listed	35	8	M32 x 1.5	
CRB-M40	UL listed	45	8	M40 x 1.5	
CRB-M50	UL listed	55	9	M50 x 1.5	
CRB-M63	UL listed	68	10	M63 x 1.5	



Metric to PG							Style
Part Number	A	B	C (mm)	D (mm)	E (mm)	F (mm)	
M12-PG9	M12 x 1.5	PG 09	11	5	8	17	<p>Materials: Body: Nickel Plated Brass O-Ring: BUNA-N</p>
M16-PG11	M16 x 1.5	PG 11	12	5	12	20	
M20-PG16	M20 x 1.5	PG 16	14	6	15	24	
M25-PG21	M25 x 1.5	PG 21	14.5	7	21	30	
M32-PG29	M32 x 1.5	PG 29	17	8	26	39	
M40-PG36	M40 x 1.5	PG 36	20.5	8	34	50	
M50-PG42	M50 x 1.5	PG 42	23	9	44	57	
M50-PG48	M50 x 1.5	PG 48	24	9	44	64	
Metric to NPT (Metal)							<p>Materials: Body: Nickel Plated Brass O-Ring: BUNA-N</p>
M16-1/2	M16 x 1.5	1/2" NPT	18.5	6.5	11	24	
M20-1/2	M20 x 1.5	1/2" NPT	18.5	6.5	15	24	
M25-3/4	M25 x 1.5	3/4" NPT	21	7	18	30	
M32-3/4	M32 x 1.5	3/4" NPT	18	8	23	37	
M32-1	M32 x 1.5	1" NPT	25	8	27	38	
M40-1.25	M40 x 1.5	1.25" NPT	26	8	34	46	
Metric to NPT (Black Plastic)							<p>Materials: Body: Polyamide</p>
M16-1/2PA/SW	M16 x 1.5	1/2" NPT	27	8	28	11	
M20-1/2PA/SW	M20 x 1.5	1/2" NPT	27	8	27	15	
M25-12-PASW	M29 x 1.5	1/2" NPT	29	8	27	17	
M32-34-PASW	M32 x 1.5	3/4" NPT	36	10	30	23.5	



Cable Glands Accessories

Metric Threads Cable Gland Reducers & Enlargers



Reducers & Enlargers | Metric Threads

Metric Enlargers							Style
Part Number	A	B	C (mm)	D (mm)	E (mm)	F (mm)	
CRC-M12	M12 x 1.5	M16 x 1.5	18	5	16	8	<p>Materials: Body: Nickel Plated Brass O-Ring: BUNA-N</p>
CRC-M16	M16 x 1.5	M20 x 1.5	22	5	16.5	12	
CRC-M20	M20 x 1.5	M25 x 1.5	27	6	18.5	15	
CRC-M25	M25 x 1.5	M32 x 1.5	34	7	20.5	21	
CRC-M32	M32 x 1.5	M40 x 1.5	42	8	23.5	26	
CRC-M40	M40 x 1.5	M50 x 1.5	52	8	30	34	
CRC-M50	M50 x 1.5	M63 x 1.5	65	9	32.5	44	

Metric to PG						Style
Part Number	A	B	C (mm)	D (mm)	E (mm)	
CEC-M12	M16 x 1.5	M12 x 1.5	17	5	8	<p>Materials: Body: Nickel Plated Brass O-Ring: BUNA-N</p>
CEC-M12X	M20 x 1.5	M12 x 1.5	22	6	9	
CEC-M16	M20 x 1.5	M16 x 1.5	22	6	9	
CEC-M16X	M25 x 1.5	M16 x 1.5	27	7	10	
CEC-M20	M25 x 1.5	M20 x 1.5	27	7	10	
CEC-M20X	M32 x 1.5	M20 x 1.5	34	8	11	
CEC-M25	M32 x 1.5	M25 x 1.5	34	8	11	
CEC-M20Y	M40 x 1.5	M20 x 1.5	43	8	12	
CEC-M25X	M40 x 1.5	M25 x 1.5	43	8	12	
CEC-M32	M40 x 1.5	M32 x 1.5	43	8	12	
CEC-M25Y	M50 x 1.5	M25 x 1.5	55	9	13	
CEC-M32X	M50 x 1.5	M32 x 1.5	55	9	13	
CEC-M40	M50 x 1.5	M40 x 1.5	55	9	13	
CEC-M32Y	M63 x 1.5	M32 x 1.5	65	10	14	
CEC-M40X	M63 x 1.5	M40 x 1.5	65	10	14	
CEC-M50	M63 x 1.5	M50 x 1.5	65	10	14	

Cable Glands & Adapters

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Cable Glands Accessories

Metric, PG & NPT Threads Flat & Festoon Cable Glands



Flat & Festoon Cable Glands | Metric, PG & NPT Threads | IP66/IP65 Rating

Cable Glands for Flat Cable Applications

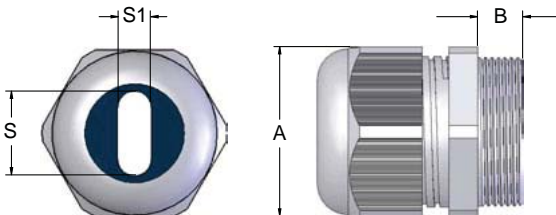
Mencom's plastic and brass cable glands are perfect for flat and festoon cables. Sealing ratings up to IP 66 can be obtained. A Locking Nut is supplied on all Metric and PG threaded parts. An O-Ring is not needed for the plastic style cable glands smaller than M32. O-Rings are supplied on M32 and larger sizes.

Plastic Version									
Part Number		A Wrench Flats (mm)	B Thread Length (mm)	S1 DIM MIN (mm)	S1 DIM MIN (mm)	S DIM MIN (mm)	S DIM MIN (mm)	Thread Type	Mounting Hole Clearance (mm)
Gray	Black								
PFG-M20-12X5	PFG-M20-12X5-B	24	8	12	8	5	2	M20 X 1.5	20.2
PFG-M25-16.3X6	PFG-M25-16.3X6-B	29	8	16.3	10	6	2	M25 X 1.5	25.2
PFG-M32-20X9	PFG-M32-20X9-B	36	10	20	12	9	3	M32 X 1.5	32.2
PFG-M40-27X10	PFG-M40-27X10-B	46	10	27	19	10	3	M40 X 1.5	40.2
PFG-M50-34X13	PFG-M50-34X13-B	55	12	34	23	13	4	M50 X 1.5	50.2
PFG-M63-45X15	PFG-M63-45X15-B	68	12	45	32	15	6	M63 X 1.5	63.2
PFG-1/2-12X5	PFG-1/2-12X5-B	22	13	12	8	5	2	1/2-14 NPT	21.2
PFG-13.5-12X5	PFG-13.5-12X5-B	22	6.5	12	8	5	2	PG13.5	20.2

Brass Version									
Part Number		A Wrench Flats (mm)	B Thread Length (mm)	S1 DIM MIN (mm)	S1 DIM MIN (mm)	S DIM MIN (mm)	S DIM MIN (mm)	Thread Type	Mounting Hole Clearance (mm)
MFG-M20-12X5									
MFG-M25-16.3X6		29	7	16.3	11	6	2	M25 X 1.5	25.2
MFG-M32-20X9		36	8	20	13	9	3	M32 X 1.5	32.2
MFG-M40-27X10		46	8	27	17	10	3	M40 X 1.5	40.2
MFG-M50-34X13		55	9	34	24	13	4	M50 X 1.5	50.2
MFG-M63-45X15		68	10	45	33	15	6	M63 X 1.5	63.2
MFG-1/2-12X5		22	13	12	9	5	2	1/2-14 NPT	21.2
MFG-13.5-12X5		22	6.5	12	9	5	2	PG13.5	20.2

Sealing for these cable glands is IP 66 only if the cable matches the slot dimensions exactly. For cables that are less than the "max", but more than the "min", the seals are rated to IP 54.

Longer thread lengths are available for some of these cable glands, please consult the factory.



Plastic Version Materials:

Body: Polyamide
Seal: Neoprene

Brass Version Materials:

Body: Nickel Plated Brass
Insert: Polyamide
Grommet : TPE
O-Ring : BUNA-N



Cable Glands

NPT, PG & Metric Threads ASI Cable Glands



ASI Cable Glands | Metric, PG & NPT Threads | IP65 Rating

Plastic ASI Cable Glands						
Part Number		Figure Number	A Mounting Hole Clearance	B Thread Length	C Wrench Flats	Thread Type
Gray	Black					
PCG-1/2-ASI	PCG-1/2-B-ASI	Figure 1	.825"	.591"	1.06"	1/2" NPT
PCG-1/2-2ASI	PCG-1/2-B-2ASI	Figure 2	.825"	.591"	1.06"	1/2" NPT
PCG-13.5-ASI	PCG-13.5-B-ASI	Figure 1	.825"	.354"	.945"	PG 13.5
PCG-13.5-2ASI	PCG-13.5-B-2ASI	Figure 2	.825"	.354"	.945"	PG 13.5
PCG-M20-ASI	PCG-M20-B-ASI	Figure 1	20.5 mm	8 mm	27 mm	M20x1.5
PCG-M20-2ASI	PCG-M20-B-2ASI	Figure 2	20.5 mm	8 mm	27 mm	M20x1.5
PCG-M25-ASI	PCG-M25-B-ASI	Figure 1	25.5 mm	8 mm	33 mm	M25x1.5
PCG-M25-2ASI	PCG-M25-B-2ASI	Figure 2	25.5 mm	8 mm	33 mm	M25x1.5

Metal ASI Cable Glands					
Part Number	Figure Number	A Mounting Hole Clearance	B Thread Length	C Wrench Flats	Thread Type
MCG-1/2-ASI	Figure 1	.825"	.591"	1.06"	1/2" NPT
MCG-13.5-ASI	Figure 1	.825"	.256"	.945"	PG 13.5
MCG-M20-ASI	Figure 1	20.5 mm	6 mm	22 mm	M20x1.5
MCG-M25-ASI	Figure 1	25.5 mm	7 mm	27 mm	M25x1.5
MCG-M25-2ASI	Figure 2	25.5 mm	7 mm	27 mm	M25x1.5

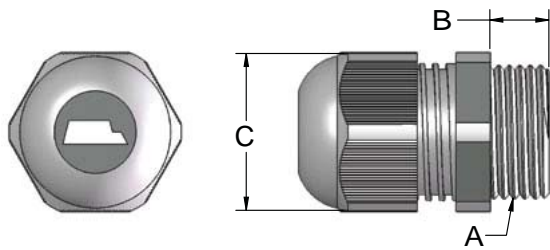


Figure 1: Single

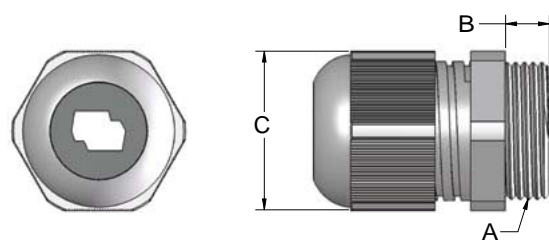


Figure 2: Double

Plastic Material:

Body: Polyamide
Seal: Neoprene

Metal Material:

Body: Nickel Plated Brass
Insert: Polyamide
Seal: Neoprene

Cable Glands & Adapters

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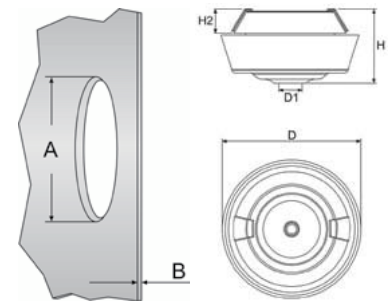
Click Seal Metric										
Part Number	Color	Size	IP 67 Diameter Range (mm)	IP 65 Diameter Range (mm)	A Mounting Hole Clearance (mm)	B Panel Thickness Range (mm)	L1 (mm)	L2 (mm)	L3 (mm)	SW (mm)
SGL-M20-TGY	Gray	M20	7 - 11	4 - 11	20.5	2 - 5	17 - 20	5.7	4.0	29.3 - 34.5
SGL-M25-TGY	Gray	M25	7 - 13	4 - 14	25.5	2 - 5	17 - 20	5.7	5.0	34.3 - 40.0

For volume use, black or light gray glands are available. Please consult the factory for part numbers and availability.

Test standard EN60529:1991+A1, EN50262:1998, EMKO-TUI (03-SEC) F1001/84
 The IP67 cable range has been tested to the same EN 50262 pull force requirements as Mencom's standard PCG cable glands.

Specifications:

Body: TPE (Thermoplastic Elastomer) and Polyamide
 Temperature: -20°C to +125°C (-4° to +257°F)
 Protection: IP67 and IP65



Height of only 17-20 mm, 5.7 mm on the outside irrespective of size.
 Cable glands are approx. 30-40 mm.

Handles large range of cable and pipe diameters.

Installation time saving up to 90%.

Integrated tension relief

"Pushout" membrane

Ergonomic installation

Self-adjusting to wall thickness 2 - 5 mm.

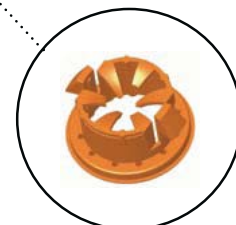
Fixed in both directions when mounted.

Space saving design

Click Seal means no material compression during installation.

Rubber coated tension relief for protection of the cable mantle.

Fixed IP67 / IP65





Cable Glands

Sealing Glands



PG & Metric Holes | EPDM | Chloroprene | TSS | IP67 Rating

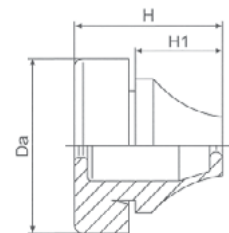
PG Holes								
Gray EPDM	Black Chloroprene	Size	Diameter Range (mm)	A Mounting Hole Clearance (mm)	B Panel Thickness Range (mm)	Da (mm)	H (mm)	H1 (mm)
SG-PG07-EGY	SG-PG07-CBK	PG 7	3 - 5	13	0.5 - 2	20	12.6	5.4
SG-PG09-EGY	SG-PG09-CBK	PG 9	5 - 7	16	1 - 4	21	17.8	10.3
SG-PG11-EGY	SG-PG11-CBK	PG 11	7 - 10	19	1 - 4	24	19.8	12.7
SG-PG16-EGY	SG-PG16-CBK	PG 16	10 - 14	23	1 - 4	28	21.6	14.7
SG-PG21-EGY	SG-PG21-CBK	PG 21	14 - 20	29	1 - 4	35	24.6	17.6
SG-PG29-EGY	SG-PG29-CBK	PG 29	20 - 26	38	1 - 4	46	28.5	20.0
SG-PG36-EGY	SG-PG36-CBK	PG 36	26 - 35	48	1 - 4	58	34.9	23.9
Metric Holes								
SG-M12-EGY	SG-M12-CBK	M12	4 - 7	12.5	0.5 - 2	20	12.8	5.6
SG-M16-EGY	SG-M16-CBK	M16	5 - 9	16.5	1 - 4	21	17.7	11.0
SG-M20-EGY	SG-M20-CBK	M20	8 - 13	20.5	1 - 4	25.5	20.0	13.4
SG-M25-EGY	SG-M25-CBK	M25	11 - 17	25.5	1 - 4	30.5	21.3	15.3
SG-M32-EGY	SG-M32-CBK	M32	15 - 20	32.5	1 - 4	38.5	24.6	18.6
SG-M40-EGY	SG-M40-CBK	M40	19 - 28	40.5	1 - 4	48.5	29.5	21.7
SG-M50-EGY	SG-M50-CBK	M50	27 - 35	50.5	1 - 4	60.5	34.8	25.0

For volume use, black or light gray glands are available. Please consult the factory for part numbers and availability.

Specifications:

Body: EPDM
 Temperature: -40°C to +110°C (-40° to +230°F)
 Protection: IP67

Body: Chloroprene
 Temperature: -40°C to +100°C (-22° to +212°F)
 Protection: IP67



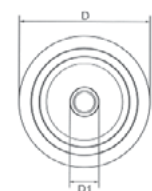
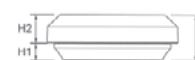
Cable Glands & Adapters

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TSS Metric										
Part Number	Color	Size	Diameter Range (mm)	A Mounting Hole Clearance (mm)	B Panel Thickness Range (mm)	H (mm)	H1 (mm)	H2 (mm)	D (mm)	D1 (mm)
SGC-M16-TGY	Gray	M16	5 - 10	16.5	0.5 - 3.0	11	4	6.75	23.5	4
SGC-M20-TGY	Gray	M20	6 - 13	20.5	0.5 - 3.0	11	4	6.75	27.5	5
SGC-M25-TGY	Gray	M25	8 - 17	25.5	0.5 - 3.5	11	4	6.75	32.5	7
SGC-M32-TGY	Gray	M32	12 - 24	32.5	0.5 - 4.5	11	4	6.75	39.5	11

Specifications:

Body: TPE (Thermoplastic Elastomer)
 Temperature: -50°C to +125°C (-58° to +257°F)
 Protection: IP67





Cable Glands Accessories

Multi-Hole Cable Gland Inserts



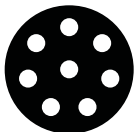
Multi-Hole Cable Gland Inserts | IP65 Rating

Part Number	# of Holes	Diameter of Holes mm (inches)	Fits Into	
PG09-0x0	0	None	MCG-09 MCG-09R MCG-3/8 MCG-3/8R	PCG-09 PCG-09-B PCG-09R PCG-09R-B
PG09-2x3	2	3 (0.118)		
PG09-2x3.5	2	3.5 (0.138)		
PG09-3x2	3	2 (0.079)		
PG09-3x3.5	3	3.5 (0.138)		
PG09-4x2	4	2 (0.079)		
PG09-4x3	4	3 (0.118)		
PG11-0x0	0	None	MCG-11 MCG-11R PCG-11 PCG-11-B PCG-11R PCG-11R-B PCG-3/8	PCG-3/8-B PCG-3/8R PCG-3/8R-B PCG-M16 PCG-M16-B PCG-M16R PCG-M16R-B
PG11-2x3	2	3 (0.118)		
PG11-2x4	2	4 (0.157)		
PG11-2x4.5	2	4.5 (0.177)		
PG11-2x5	2	5 (0.197)		
PG11-3x3	3	3 (0.118)		
PG11-3x4	3	4 (0.157)		
PG11-3x5	3	5 (0.197)		
PG11-4x3	4	3 (0.118)		
PG11-7x2.7	7	2.7 (0.107)		
PG13.5-0x0	0	None	MCG-13.5 MCG-13.5R MCG-1/2 MCG-1/2R PCG-13.5 PCG-13.5-B PCG-13.5R	PCG-13.5R-B PCG-1/2X PCG-1/2X-B PCB-1/2Y PCG-1/2Y-B PCG-M20R PCG-M20R-B
PG13.5-2x4.5	2	4.5 (0.177)		
PG13.5-2x5	2	5 (0.197)		
PG13.5-2x6	2	6 (0.236)		
PG13.5-3x4	3	4 (0.157)		
PG13.5-3x5	3	5 (0.197)		
PG16-0x0	0	None	MCG-16 MCG-16R PCG-16 PCG-16-B PCG-16R PCG-16R-B	PCG-1/2 PCG-1/2-B PCG-1/2R PCG-1/2R-B PCG-M20 PCG-M20B
PG16-2x4	2	4 (0.157)		
PG16-2x6	2	6 (0.236)		
PG16-3x4	3	4 (0.157)		
PG16-3x4.5	3	4.5 (0.177)		
PG16-3x5	3	5 (0.197)		
PG16-3x6	3	6 (0.236)		
PG16-3x6.5	3	6.5 (0.256)		
PG16-3x7	3	7 (0.276)		
PG16-4x4	4	4 (0.157)		
PG16-4x5	4	5 (0.197)		
PG16-4x6	4	6 (0.236)		
PG16-5x4	5	4 (0.157)		

Cable Glands & Adapters

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Inserts are intended for use with wires, cables, or tubes that have diameters that are within ± 0.020 " of the "hole diameter" listed. Inserts without holes allow the user to drill holes for low volume, custom applications.



Mencom Multi-Hole Cable Gland Inserts will allow the user to use one cable gland for multiple wires, cables, or tubes. The inserts fit into the Mencom "MCG" or "PCG" cable glands, and will seal to IP 65.



Cable Glands Accessories

Multi-Hole Cable Gland Inserts



Multi-Hole Cable Gland Inserts | IP65 Rating

Part Number	# of Holes	Diameter of Holes mm (inches)	Fits Into
PG21-0x0	0	None	MCG-21 MCG-21R PCG-21-B PCG-21R PCG-21R-B PCG-3/4 PCG-3/4-B PCG-3/4-R PCG-3/4R-B PCG-M25 PCG-M25-B PCG-M25R PCG-M25R-B
PG21-2x7	2	7 (0.276)	
PG21-2x8	2	8 (0.315)	
PG21-2x9	2	9 (0.354)	
PG21-3x7	3	7 (0.276)	
PG21-3x8	3	8 (0.315)	
PG21-4x5	4	5 (0.197)	
PG21-4x6.5	4	6.5 (0.256)	
PG21-4x7	4	7 (0.276)	
PG21-4x7.5	4	7.5 (0.295)	
PG21-5x5	5	5 (0.197)	
PG29-0x0	0	None	
PG29-5x8.5	5	8.5 (0.335)	
PG29-6x5	6	5 (0.197)	
PG29-6x7.5	6	7.5 (0.295)	
PG29-8x5	8	5 (0.197)	
M25-0x0	0	None	MCG-3/4 MCG-3/4R MCG-M25
M25-2x8	2	8 (0.315)	
M25-3x4	3	4 (0.157)	
M25-3x7	3	7 (0.276)	
M25-4x5	4	5 (0.197)	
M25-4x6.5	4	6.5 (0.256)	

Inserts can be pre-installed in cable glands for orders of 100 or more. Order as follows:

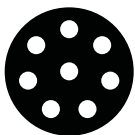
Multi-Hole Insert
PG 11-3X3

Desired Cable Gland
MCG-11

Resulting Part Number
MCG-11-3X3

Cable Glands & Adapters

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Mencom Multi-Hole Cable Gland Inserts will allow the user to use one cable gland for multiple wires, cables, or tubes. The inserts fit into the Mencom "MCG" or "PCG" cable glands, and will seal to IP 65.



Cable Glands Accessories

O-Rings



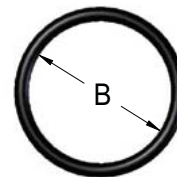
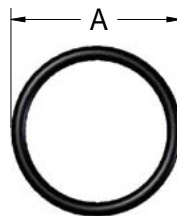
O-Rings | Metric, PG and NPT Threads | IP68 Rating

For Metric Threads: O-Rings (100 Pieces/Package)				
Part Number	Size	A (mm)	B (mm)	C (mm)
3M12G	M12	12	9	1.5
309G	M16	16	13	1.5
313G	M20	21	18	2.0
3M25G	M25	27	23	2.0
3M32G	M32	34	29	2.5
3M40G	M40	41	37	2.0
3M50G	M50	52	47	2.5
3M63G	M63	66	60	3.0
For PG Threads: O-Rings (100 Pieces/Package)				
307G	PG 07	13	10	1.5
309G	PG 09	17	13	1.5
311G	PG 11	20	16	2.0
313G	PG 13.5	22	18	2.0
316G	PG 16	24	20	2.0
321G	PG 21	28	24	2.0
329G	PG 29	37	33	2.0
336G	PG 36	47	42	2.5
342G	PG 42	53	48	2.5
348G	PG 48	60	54	3.0
For NPT Threads: O-Rings (100 Pieces/Package)				
309G	3/8" NPT	17	13	1.5
313G	1/2" NPT	22	18	2.0
321G	3/4" NPT	28	24	2.0

Cable Glands & Adapters

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Material:
O-Ring: BUNA-N





Cable Entry System

KADP Cable Entry System



KADP Cable Entry Plate | ILME Size 24 Panel Cutout | IP66 Rating



Part Number	# of Entries	Cable Diameter Range										
		1.5 ~ 2.6 mm	2.5 ~ 5.0 mm	3.0 ~ 5.5 mm	3.0 ~ 6.5 mm	4.1 ~ 8.1 mm	5.0 ~ 9.2 mm	8.0 ~ 12.0 mm	8.0 ~ 12.5 mm	9.0 ~ 14.0 mm	9.6 ~ 15.9 mm	14.0 ~ 20.0 mm
KADP-24-11	11				4		4					3
KADP-24-12	12							12				
KADP-24-13	13			2		6				4		1
KADP-24-14	14				6		4				4	
KADP-24-17	17						17					
KADP-24-17-1	17				11	1			5			
KADP-24-22	22				16		4		2			
KADP-24-23	23					23						
KADP-24-29	29				29							
KADP-24-BLI	0											

Application

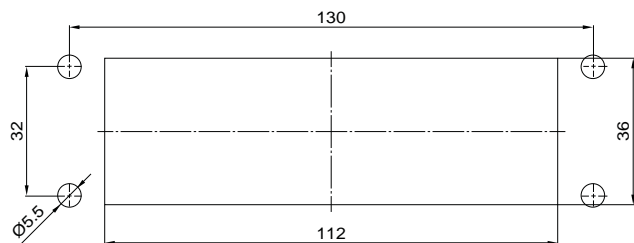
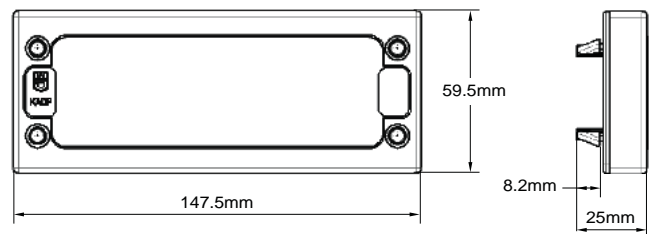
For introduction of cables, hoses, pneumatic and hydraulic lines

Benefits

Fast and simple installation
Up to 10 times faster than with cable glands
Space savings of over 50%

Mounting

Usable on panel cutouts Size 24 ILME industrial multipole connectors (e.g. Harting or Wieland), mounting in wall thicknesses from 1.5 to 2.0mm. For plates with thicknesses greater than 2.0 mm the cable entry plate KADP can be attached with screws.



Hole Dimensions

Specifications:

Flange: Polyamide PA6 V-0
Elastomeric Plate: EPDM
Sealing: TPE
Temperature: -30°C to +100°C (-22°F to +212°F)



KADL Cable Entry						
Part Number	# of Entries	Hole Size mm	Dimension (mm)			
			L	L1	H	H1
KADL-5K	5	125 x 35	153	63	30.3	8.3
KADL-10K	10	125 x 57.5	153	85.5	30.3	8.3
KADL-15K	15	125 x 80	153	108	30.3	8.3
KADL-20K	20	125 x 102.5	153	130.5	30.3	8.3
KADL-25K	25	125 x 125	153	153	30.3	8.3
KADL Expansion Insert						
KADL-EXP	N/A	N/A	153	27	30.3	8.3

KADL-EXP is an expansion insert for adding 5 holes to an existing 5, 10, 15, or 20 hole frame. Required hole size will change according to the number of expansion inserts used. Maximum frame size not to exceed 25 holes. Grommets ordered separately.

Application

Insertion and sealing of pre-assembled cables with connectors into housings

Benefits

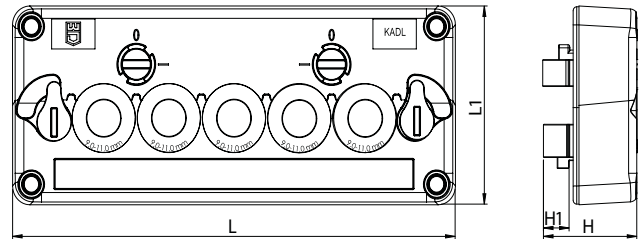
- Modular design and high packaging density
- Grommet clamping range to 2 mm
- Strain relief for cables
- Easy retrofits and adjustments

Mounting

Mounting in wall thicknesses from 1.5 to 2.0 mm
KADL can be attached with screws for wall thicknesses greater than 2.0 mm

Specifications:

Flange: Polyamide PA6 V-0
Sealing: TPE
Temperature: -30°C to +100°C (-22°F to +212°F)



KADL Cable Entry System

Expansion Insert

KADL Grommets				
Part Number	Ø C mm	H mm	Da mm	Style
TK3-5	3-5	20	22.2	
TK5-7	5-7	20	22.2	
TK7-9	7-9	20	22.2	
TK9-11	9-11	20	22.2	
TK11-13	11-13	20	22.2	
TK13-15	13-15	20	22.2	
TK15-16.5	15-16.5	20	22.2	
TKG	N/A	20	22.2	