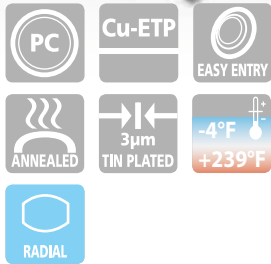


VP RP BP GP



HALOGEN FREE INSULATED TERMINALS

P range funnel entry - for Copper conductors

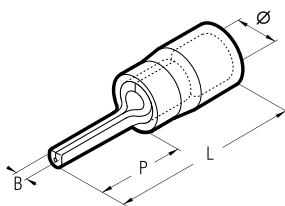
The "P" range of terminals has been designed, to meet the increasing demands for improved safety and reliability of electrical connectors. Electrical connectors are produced using electrolytic Copper with a purity greater than 99.9%. The Polycarbonate insulation, is a Halogen free, self extinguishing thermoplastic material class V0 (UL 94). The unique funnel shaped entry of

the insulation sleeve, guarantees total insertion of the conductor strands into the terminal barrel, creating a secure and reliable, electrical and mechanical connection.



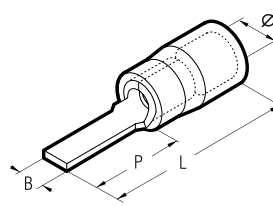
The operating temperature range is - 4 to + 239°F (Surge + 266°F). Recommended crimping tools are shown on pages 114 to 137, 174, 227.

pin terminals



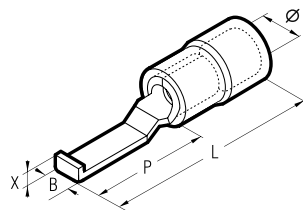
Conductor Size AWG (sqmm)	Type	Dimensions in.				Quantity Box/Bag
		Ø	B	P	L	
24÷20 (0.2÷0.5)	VP-P10	0.12	0.04	0.39	0.79	4,000/100
22÷16 (0.25÷1.5)	RP-P8	0.16	0.06	0.31	0.70	3,000/100
	RP-P10	0.16	0.06	0.39	0.78	3,000/100
	RP-P12	0.16	0.06	0.47	0.87	3,000/100
16÷14 (1.5÷2.5)	BP-P8	0.19	0.07	0.31	0.70	3,000/100
	BP-P10	0.19	0.07	0.39	0.78	3,000/100
	BP-P12	0.19	0.07	0.46	0.86	2,500/100
12÷10 (4÷6)	GP-P10	0.26	0.09	0.41	0.96	1,000/100
	GP-P12	0.26	0.09	0.50	1.05	1,000/100
	GP-P14	0.26	0.09	0.57	1.13	1,000/100

blade terminals



Conductor Size AWG (sqmm)	Type	Dimensions in.				Quantity Box/Bag
		Ø	B	P	L	
24÷20 (0.2÷0.5)	VP-PP12/19	0.12	0.07	0.49	0.88	4,000/100
22÷16 (0.25÷1.5)	RP-PP12	0.16	0.12	0.50	0.90	3,000/100
	RP-PP12/1	0.16	0.12	0.44	0.84	3,000/100
	RP-PP12/19	0.16	0.07	0.52	0.92	3,000/100
	RP-PP12/23	0.16	0.09	0.52	0.92	2,500/100
	RP-PP14	0.16	0.12	0.58	0.98	2,500/100
	RP-PP16/23	0.16	0.09	0.68	1.07	2,500/100
16÷14 (1.5÷2.5)	BP-PP12	0.19	0.14	0.50	0.90	2,500/100
	BP-PP12/25	0.19	0.10	0.52	0.92	2,000/100
	BP-PP12/29	0.19	0.11	0.52	0.92	2,500/100
12÷10 (4÷6)	BP-PP16/25	0.19	0.10	0.68	1.07	2,500/100
	GP-PP12	0.26	0.16	0.52	1.08	1,000/100
12÷10 (4÷6)	GP-PP17	0.26	0.11	0.75	1.31	1,000/100

hooked blade terminals



Conductor Size AWG (sqmm)	Type	Dimensions in.					Quantity Box/Bag
		Ø	B	P	L	X	
22÷16 (0.25÷1.5)	RP-PPL30*	0.15	0.12	0.69	1.11	0.07	3,000/100
	RP-PPL46*	0.15	0.18	0.69	1.11	0.07	3,000/100
16÷14 (1.5÷2.5)	BP-PPL30*	0.19	0.12	0.69	1.11	0.07	2,500/100
	BP-PPL46*	0.19	0.18	0.69	1.13	0.07	2,500/100
12÷10 (4÷6)	GP-PPL46*	0.26	0.18	0.69	1.28	0.07	1,000/100

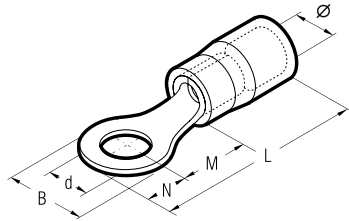
*Not UL approved

HALOGEN FREE INSULATED TERMINALS

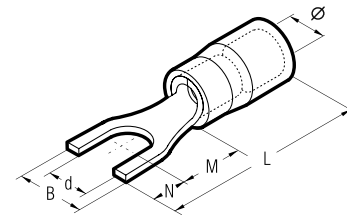
P range funnel entry - for Copper conductors





VP RP
BP GP





ring terminals



fork/spade terminals



Cond. Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag
			Ø	B	M	N	L	d	
 24÷20 (0.2÷0.5)		#3 VP-M2*	0.12	0.22	0.18	0.11	0.69	0.09	4,000/100
		#4 VP-M3	0.12	0.22	0.18	0.11	0.69	0.13	4,000/100
		#6 VP-M3.5	0.12	0.22	0.18	0.11	0.69	0.15	4,000/100
		#8 VP-M4	0.12	0.28	0.26	0.14	0.80	0.17	4,000/100
		#10 VP-M5	0.12	0.31	0.28	0.15	0.83	0.21	4,000/100
		1/4" VP-M6*	0.12	0.37	0.32	0.19	0.91	0.25	4,000/100
 22÷16 (0.25÷1.5)		#3 RP-M2*	0.16	0.22	0.18	0.11	0.69	0.09	3,000/100
		#4 RP-M3	0.16	0.22	0.18	0.11	0.69	0.13	3,000/100
		#6 RP-M3.5	0.16	0.22	0.18	0.11	0.69	0.15	3,000/100
		#6 RP-M3.5/1	0.16	0.24	0.28	0.12	0.80	0.15	3,000/100
		#8 RP-M4	0.16	0.28	0.26	0.14	0.79	0.17	3,000/100
		#8 RP-M4/3	0.16	0.31	0.28	0.15	0.83	0.17	3,000/100
		#10 RP-M5	0.16	0.31	0.28	0.15	0.83	0.21	3,000/100
		1/4" RP-M6	0.16	0.37	0.32	0.19	0.90	0.25	2,500/100
		1/4" RP-M6/1	0.16	0.47	0.41	0.24	1.04	0.25	2,000/100
		17/64" RP-M7	0.16	0.37	0.32	0.19	0.90	0.28	2,500/100
		5/16" RP-M8	0.16	0.47	0.41	0.24	1.04	0.33	2,500/100
		3/8" RP-M10	0.16	0.61	0.51	0.30	1.22	0.41	2,000/100
1/2" RP-M12	0.16	0.71	0.61	0.35	1.36	0.51	2,000/100		
 16÷14 (1.5÷2.5)		#3 BP-M2*	0.19	0.22	0.20	0.11	0.70	0.09	2,500/100
		#4 BP-M3	0.19	0.22	0.20	0.11	0.70	0.13	2,500/100
		#6 BP-M3.5	0.19	0.22	0.20	0.11	0.70	0.15	3,000/100
		#6 BP-M3.5/1	0.19	0.24	0.26	0.12	0.78	0.15	2,500/100
		#8 BP-M4	0.19	0.31	0.26	0.16	0.81	0.17	2,500/100
		#10 BP-M5	0.19	0.31	0.30	0.16	0.85	0.21	2,500/100
		1/4" BP-M6	0.19	0.37	0.34	0.19	0.92	0.25	2,000/100
		1/4" BP-M6/1	0.19	0.47	0.24	1.04	0.25	0.25	2,000/100
		1/4" BP-M6/2*	0.19	0.33	0.21	0.17	0.78	0.25	2,500/100
		17/64" BP-M7	0.19	0.39	0.31	0.20	0.90	0.28	2,500/100
		5/16" BP-M8	0.19	0.47	0.41	0.24	1.04	0.33	1,500/100
		3/8" BP-M10	0.19	0.61	0.51	0.30	1.22	0.41	1,500/100
1/2" BP-M12	0.19	0.71	0.61	0.35	1.36	0.51	1,500/100		
 12÷10 (4÷6)		#4 GP-M3	0.26	0.31	0.32	0.16	1.03	0.13	1,000/100
		#6 GP-M3.5	0.26	0.31	0.32	0.16	1.03	0.15	1,500/100
		#8 GP-M4	0.26	0.35	0.32	0.18	1.05	0.17	1,000/100
		#10 GP-M5	0.26	0.35	0.32	0.18	1.05	0.21	1,000/100
		1/4" GP-M6	0.26	0.43	0.44	0.22	1.21	0.25	1,000/100
		1/4" GP-M6/1	0.26	0.43	0.32	0.22	1.09	0.25	1,000/100
		17/64" GP-M7	0.26	0.43	0.44	0.22	1.21	0.28	1,000/100
		5/16" GP-M8	0.26	0.54	0.48	0.27	1.30	0.33	800/100
		5/16" GP-M8/1*	0.26	0.43	0.32	0.22	1.09	0.33	1,000/100
		3/8" GP-M10	0.26	0.54	0.48	0.27	1.30	0.41	1,000/100
		3/8" GP-M10/1	0.26	0.61	0.54	0.30	1.41	0.41	1,000/100
		1/2" GP-M12	0.26	0.75	0.59	0.37	1.52	0.51	500/100
9/16" GP-M14	0.26	0.83	0.63	0.41	1.60	0.59	500/100		
5/8" GP-M16	0.26	0.94	0.67	0.47	1.70	0.67	500/100		

Cond. Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag
			Ø	B	M	N	L	d	
 24÷20 (0.2÷0.5)		#4 VP-U3	0.12	0.22	0.22	0.16	0.74	0.13	4,000/100
		#6 VP-U3.5	0.12	0.24	0.26	0.15	0.77	0.15	4,000/100
		#8 VP-U4	0.12	0.26	0.30	0.15	0.80	0.17	4,000/100
		#10 VP-U4	0.12	0.26	0.30	0.15	0.80	0.17	4,000/100
 22÷16 (0.25÷1.5)		#4 RP-U3	0.16	0.22	0.22	0.16	0.77	0.13	3,000/100
		#6 RP-U3.5	0.16	0.24	0.26	0.15	0.80	0.15	3,000/100
		#6 RP-U3.5/2	0.16	0.25	0.26	0.15	0.80	0.15	3,000/100
		#8 RP-U4	0.16	0.26	0.30	0.15	0.84	0.17	3,000/100
		#8 RP-U4/1	0.16	0.33	0.30	0.15	0.84	0.17	3,000/100
		#8 RP-U4/2	0.16	0.30	0.30	0.15	0.84	0.17	3,500/100
		#10 RP-U5	0.16	0.33	0.30	0.15	0.84	0.21	3,000/100
		#10 RP-U5/1*	0.16	0.37	0.30	0.15	0.84	0.21	3,000/100
		1/4" RP-U6	0.16	0.37	0.32	0.19	0.90	0.25	2,000/100
		1/4" RP-U6/1	0.16	0.47	0.36	0.28	1.04	0.25	2,000/100
		5/16" RP-U8	0.16	0.55	0.39	0.25	1.04	0.33	2,000/100
		3/8" RP-U10	0.16	0.69	0.51	0.30	1.22	0.41	1,500/100
1/2" RP-U12	0.16	0.79	0.61	0.35	1.36	0.51	1,500/100		
 16÷14 (1.5÷2.5)		#4 BP-U3	0.19	0.22	0.22	0.16	0.77	0.13	2,500/100
		#6 BP-U3.5	0.19	0.25	0.26	0.25	0.80	0.15	2,500/100
		#6 BP-U3.5/1*	0.19	0.28	0.26	0.15	0.80	0.15	2,500/100
		#8 BP-U4	0.19	0.26	0.30	0.15	0.84	0.17	2,500/100
		#8 BP-U4/1	0.19	0.33	0.30	0.15	0.84	0.17	3,000/100
		#8 BP-U4/2	0.19	0.30	0.30	0.15	0.84	0.17	2,000/100
		#10 BP-U5	0.19	0.33	0.30	0.15	0.84	0.21	2,000/100
		1/4" BP-U6	0.19	0.37	0.32	0.19	0.90	0.25	2,000/100
		1/4" BP-U6/1	0.19	0.47	0.36	0.28	1.04	0.25	2,000/100
		5/16" BP-U8	0.19	0.55	0.39	0.25	1.04	0.33	1,500/100
		3/8" BP-U10	0.19	0.69	0.51	0.30	1.22	0.41	1,000/100
		1/2" BP-U12	0.19	0.79	0.61	0.35	1.36	0.51	1,500/100
 12÷10 (4÷6)		#6 GP-U3.5	0.26	0.30	0.33	0.15	1.04	0.15	1,000/100
		#8 GP-U4	0.26	0.30	0.31	0.17	1.04	0.17	1,000/100
		#10 GP-U5	0.26	0.37	0.31	0.17	1.04	0.21	1,000/100
		1/4" GP-U6	0.26	0.39	0.43	0.22	1.20	0.25	1,000/100
		5/16" GP-U8	0.26	0.53	0.47	0.31	1.34	0.33	1,000/100
		3/8" GP-U10	0.26	0.61	0.51	0.31	1.38	0.41	1,000/100
		3/8" GP-U10/1	0.26	0.69	0.54	0.30	1.41	0.41	1,000/100
		1/2" GP-U12	0.26	0.83	0.59	0.37	1.52	0.51	500/100
		9/16" GP-U14	0.26	0.91	0.63	0.41	1.60	0.59	500/100
		5/8" GP-U16	0.26	1.02	0.67	0.45	1.68	0.67	500/100

*Made to order

CRP CBP CGP

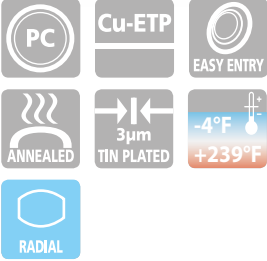
INSULATED CHAIN TERMINALS

CP range with easy entry - for Copper conductors

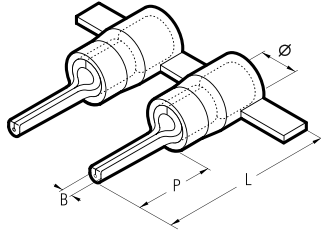
The "CP" range of terminals has been designed to meet the increasing demands for improved safety and reliability of electrical connectors. Electrical connectors are produced using electrolytic Copper with a purity greater than 99.9%.

Developed for use with production equipment, to give a quick and reliable crimped joint, the Polycarbonate insulation is a Halogen free, self extinguishing thermoplastic material class V0 (UL 94). The unique funnel shaped entry of

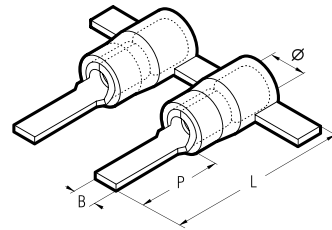
the insulation sleeve guarantees total insertion of the conductor strands into the terminal barrel, creating a secure and reliable, electrical and mechanical connection. The operating temperature range is - 4 to + 239°F (Surge + 266°F).



pin terminals



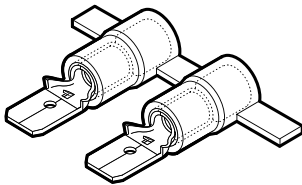
blade terminals



Conductor Size AWG (sqmm)	Type	Dimensions in.				Quantity
		Ø	B	P	L	
22÷16 (0.25÷1.5)	CRP-P8	0.16	0.06	0.31	0.70	2,000
	CRP-P10	0.16	0.06	0.39	0.78	2,000
	CRP-P12	0.16	0.06	0.47	0.87	2,000
16÷14 (1.5÷2.5)	CBP-P8	0.19	0.07	0.31	0.70	1,750
	CBP-P10	0.19	0.07	0.39	0.78	1,750
	CBP-P12	0.19	0.07	0.47	0.86	1,750
12÷10 (4÷6)	CGP-P10	0.26	0.09	0.39	0.96	1,250
	CGP-P12	0.26	0.09	0.47	1.05	1,250
	CGP-P14	0.26	0.09	0.55	1.13	1,250

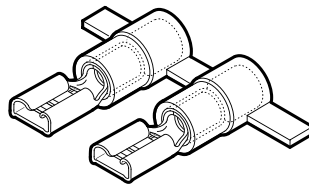
Conductor Size AWG (sqmm)	Type	Dimensions in.				Quantity
		Ø	B	P	L	
22÷16 (0.25÷1.5)	CRP-PP12	0.16	0.12	0.50	0.90	2,000
	CRP-PP12/1*	0.16	0.12	0.44	0.84	2,000
	CRP-PP12/23*	0.16	0.09	0.52	0.92	2,000
	CRP-PP14	0.16	0.12	0.58	0.98	2,000
16÷14 (1.5÷2.5)	CBP-PP12	0.19	0.14	0.50	0.90	1,750
	CBP-PP12/25*	0.19	0.10	0.52	0.92	1,750
12÷10 (4÷6)	CGP-PP12	0.26	0.16	0.52	1.08	1,250
	CGP-PP17*	0.26	0.11	0.75	1.31	1,250

male disconnect terminals



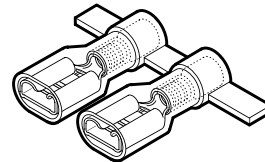
Conductor Size AWG (sqmm)	Type	Tab Size in.	Quantity
22÷16 (0.25÷1.5)	CRP-M608	0.25 x 0.03	2,000
	CBP-M608	0.25 x 0.03	1,750
12÷10 (4÷6)	CGP-M608	0.25 x 0.03	1,250

female disconnect terminals



Conductor Size AWG (sqmm)	Type	Tab Size in.	Quantity
22÷16 (0.25÷1.5)	CRP-F305	0.11 x 0.02	2,000
	CRP-F308	0.11 x 0.03	2,000
	CRP-F405	0.19 x 0.02	2,000
	CRP-F408	0.19 x 0.03	2,000
	CRP-F608	0.25 x 0.03	2,000
	CBP-F405	0.19 x 0.02	1,750
16÷14 (1.5÷2.5)	CBP-F408	0.19 x 0.03	1,750
	CBP-F608	0.25 x 0.03	1,750
12÷10 (4÷6)	CGP-F608	0.25 x 0.03	1,250

female disconnect terminals fully insulated



Conductor Size AWG (sqmm)	Type	Tab Size in.	Quantity
22÷16 (0.25÷1.5)	CRP-F405P*	0.19 x 0.02	2,000
	CRP-F408P*	0.19 x 0.03	2,000
	CRP-F608P	0.25 x 0.03	1,500
16÷14 (1.5÷2.5)	CBP-F408P*	0.19 x 0.03	1,500
	CBP-F608P	0.25 x 0.03	1,500
12÷10 (4÷6)	CGP-F608P	0.25 x 0.03	1,250

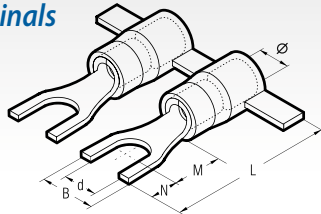
*Not UL approved *Made to order

INSULATED CHAIN TERMINALS

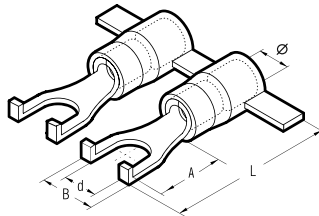
CP range with easy entry - for Copper conductors

CRP CBP CGP

fork/spade terminals

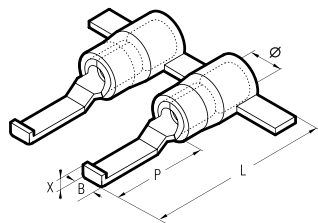


Cond. Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.						Quantity
			Ø	B	M	N	L	d	
22÷16 (0.25÷1.5)	#4	CRP-U3	0.16	0.22	0.22	0.16	0.77	0.13	2,000
	#6	CRP-U3.5	0.16	0.24	0.26	0.15	0.80	0.15	2,000
	#6	CRP-U3.5/2*	0.16	0.25	0.26	0.15	0.80	0.15	2,000
	#8	CRP-U4	0.16	0.26	0.30	0.15	0.84	0.17	2,000
	#8	CRP-U4/1*	0.16	0.33	0.30	0.15	0.84	0.17	2,000
	#8	CRP-U4/2*	0.16	0.30	0.30	0.15	0.84	0.17	2,000
	#10	CRP-U5	0.16	0.33	0.30	0.15	0.84	0.21	2,000
	1/4"	CRP-U6	0.16	0.37	0.32	0.19	0.90	0.25	2,000
	1/4"	CRP-U6/1*	0.16	0.47	0.36	0.28	1.04	0.25	2,000
	5/16"	CRP-U8*	0.16	0.55	0.39	0.25	1.04	0.33	2,000
16÷14 (1.5÷2.5)	#4	CBP-U3	0.19	0.22	0.22	0.16	0.77	0.13	1,750
	#6	CBP-U3.5	0.19	0.25	0.26	0.15	0.80	0.15	1,750
	#8	CBP-U4	0.19	0.26	0.30	0.15	0.84	0.17	1,750
	#8	CBP-U4/1*	0.19	0.33	0.30	0.15	0.84	0.17	1,750
	#8	CBP-U4/2*	0.19	0.30	0.30	0.15	0.84	0.17	1,750
	#10	CBP-U5	0.19	0.33	0.30	0.15	0.84	0.21	1,750
12÷10 (4÷6)	#6	CGP-U3.5*	0.26	0.30	0.33	0.15	1.04	0.15	1,250
	#8	CGP-U4*	0.26	0.30	0.31	0.17	1.04	0.17	1,250
	#10	CGP-U5	0.26	0.37	0.31	0.17	1.04	0.21	1,250
	1/4"	CGP-U6	0.26	0.39	0.43	0.22	1.20	0.25	1,250



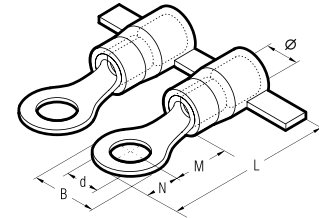
Cond. Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.					Quantity
			Ø	B	A	L	d	
16÷14 (1.5÷2.5)	#8	CBP-U 4/3L*	0.19	0.26	0.37	0.57	0.17	1,750

hooked blade terminals



Cond. Size AWG (sqmm)	Type	Dimensions in.					Quantity
		Ø	B	P	L	X	
22÷16 (0.25÷1.5)	CRP-PPL30*	0.16	0.12	0.69	1.13	0.07	2,000
16÷14 (1.5÷2.5)	CBP-PPL30*	0.19	0.12	0.69	1.13	0.07	1,750

ring terminals



Cond. Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.						Quantity
			Ø	B	M	N	L	d	
22÷16 (0.25÷1.5)	#4	CRP-M 3	0.16	0.22	0.18	0.11	0.69	0.13	2,000
	#6	CRP-M 3.5*	0.16	0.22	0.18	0.11	0.69	0.15	2,000
	#6	CRP-M 3.5/1	0.16	0.24	0.28	0.12	0.80	0.15	2,000
	#8	CRP-M 4	0.16	0.28	0.26	0.14	0.79	0.17	2,000
	#8	CRP-M 4/3*	0.16	0.31	0.28	0.15	0.83	0.17	2,000
	#10	CRP-M 5	0.16	0.31	0.28	0.15	0.83	0.21	2,000
	1/4"	CRP-M 6	0.16	0.37	0.32	0.19	0.90	0.25	2,000
	1/4"	CRP-M 6/1*	0.16	0.47	0.41	0.24	1.04	0.25	2,000
	17/64"	CRP-M 7	0.16	0.37	0.32	0.19	0.90	0.28	2,000
	5/16"	CRP-M 8	0.16	0.47	0.41	0.24	1.04	0.33	2,000
16÷14 (1.5÷2.5)	#4	CBP-M 3	0.19	0.22	0.20	0.11	0.70	0.13	1,750
	#6	CBP-M 3.5	0.19	0.22	0.20	0.11	0.70	0.15	1,750
	#6	CBP-M 3.5/1*	0.19	0.24	0.26	0.12	0.77	0.15	1,750
	#8	CBP-M 4	0.19	0.31	0.26	0.16	0.81	0.17	1,750
	#10	CBP-M 5	0.19	0.31	0.30	0.16	0.85	0.21	1,750
	1/4"	CBP-M 6	0.19	0.37	0.34	0.19	0.92	0.25	1,750
	1/4"	CBP-M 6/1*	0.19	0.47	0.41	0.24	1.04	0.25	1,750
	17/64"	CBP-M 7	0.19	0.39	0.31	0.20	0.90	0.28	1,750
	5/16"	CBP-M 8	0.19	0.47	0.41	0.24	1.04	0.33	1,750
	12÷10 (4÷6)	#4	CGP-M 3	0.26	0.31	0.32	0.16	1.03	0.13
#6		CGP-M 3.5	0.26	0.31	0.32	0.16	1.03	0.15	1,250
#8		CGP-M 4	0.26	0.35	0.32	0.18	1.05	0.17	1,250
#10		CGP-M 5	0.26	0.35	0.32	0.18	1.05	0.21	1,250
1/4"		CGP-M 6	0.26	0.43	0.44	0.22	1.21	0.25	1,250
1/4"		CGP-M 6/1*	0.26	0.43	0.32	0.22	1.09	0.25	1,250
17/64"		CGP-M 7	0.26	0.30	0.44	0.22	1.21	0.28	1,000
5/16"		CGP-M 8	0.26	0.54	0.48	0.27	1.30	0.33	1,250
5/16"		CGP-M 8/1*	0.26	0.43	0.32	0.22	1.09	0.33	1,250
3/8"		CGP-M10	0.26	0.54	0.48	0.27	1.30	0.41	1,250



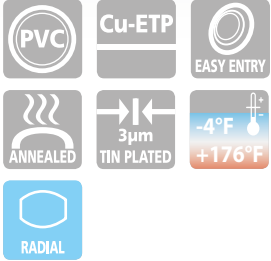
Interchangeable application heads are available for crimping these terminals with the bench press ELB-3 (see page 140).

*Not UL approved *Made to order

RVF BVF YVF

PVC INSULATED CRIMP TERMINALS

F range funnel entry - for Copper conductors

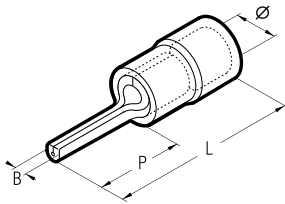


The unique funnel shaped PVC sleeve guarantees total insertion of the conductor strands into the terminal barrel, creating a secure and reliable, electrical and mechanical connection. Electrical connectors are produced using electrolytic Copper with a purity greater than 99.9%. The internal surface of the barrel is rifled to improve contact with conductor strands when crimped and to increase tensile strength. The "F" range of terminals offers a wide selection of rings, forks, pins and blades, designed to meet the

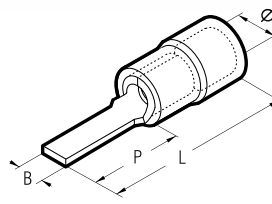
ever changing end user requirements. The operating temperature range is -4 to +176°F (Surge +194°F). Recommended crimping tools are shown on pages 114 to 137, 174, 227.



pin terminals



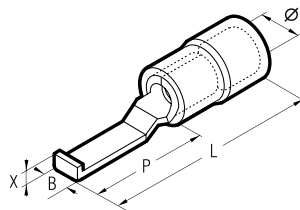
blade terminals



Conductor Size AWG (sqmm)	Type	Dimensions in.				Quantity Box/Bag
		Ø	B	P	L	
22÷16 (0.25÷1.5)	RVF-P8	0.16	0.06	0.31	0.70	3,500/100
	RVF-P10	0.16	0.06	0.39	0.78	3,500/100
	RVF-P12	0.16	0.06	0.47	0.87	3,000/100
16÷14 (1.5÷2.5)	BVF-P8	0.19	0.07	0.31	0.72	3,000/100
	BVF-P10	0.19	0.07	0.39	0.78	3,000/100
	BVF-P12	0.19	0.07	0.47	0.87	3,000/100
12÷10 (4÷6)	YVF-P10	0.26	0.09	0.39	0.96	1,500/100
	YVF-P12	0.26	0.09	0.47	1.05	1,000/100
	YVF-P14	0.26	0.09	0.55	1.13	1,500/100

Conductor Size AWG (sqmm)	Type	Dimensions in.				Quantity Box/Bag
		Ø	B	P	L	
22÷16 (0.25÷1.5)	RVF-BL12	0.16	0.12	0.50	0.90	3,500/100
	RVF-BL12-3/32	0.16	0.09	0.52	0.91	3,000/100
	RVF-BL14	0.16	0.12	0.58	0.98	3,000/100
	RVF-BL16-3/32	0.16	0.09	0.68	1.07	2,500/100
16÷14 (1.5÷2.5)	BVF-BL12	0.19	0.14	0.50	0.90	2,000/100
	BVF-BL12-3/32	0.19	0.10	0.52	0.92	2,000/100
	BVF-BL16-3/32	0.19	0.10	0.68	1.07	2,000/100
12÷10 (4÷6)	YVF-BL12	0.26	0.16	0.52	1.07	1,000/100
	YVF-BL17	0.26	0.11	0.76	1.31	1,000/100

hooked blade terminals



Conductor Size AWG (sqmm)	Type	Dimensions in.					Quantity Box/Bag
		Ø	B	P	L	X	
22÷16 (0.25÷1.5)	RVF-HBL30*	0.16	0.12	0.69	1.11	0.07	3,000/100
	RVF-HBL46*	0.16	0.18	0.69	1.11	0.07	2,500/100
16÷14 (1.5÷2.5)	BVF-HBL30*	0.19	0.12	0.69	1.11	0.07	2,500/100
	BVFHBL46*	0.19	0.18	0.69	1.13	0.07	2,500/100
12÷10 (4÷6)	YVF-HBL46*	0.26	0.18	0.69	1.28	0.07	1,000/100

*Not UL approved

PVC INSULATED CRIMP TERMINALS

F range funnel entry - for Copper conductors

RVF BVF YVF



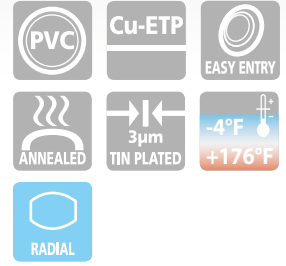
VALSTAR-V3-F

Robust plastic case with compartments, containing:

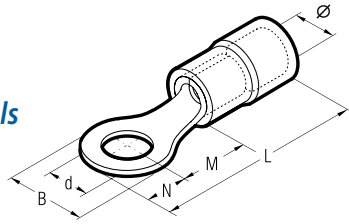
- An assortment of PVC insulated crimp terminals for conductor sizes 22÷10 AWG.
- Tool Crimpstar® HP 3.

Connectors included:

- Qty 50 terminals RVF-F8
- Qty 50 terminals RVF-F10
- Qty 50 terminals RVF-P10
- Qty 50 terminals BVF-F8
- Qty 50 terminals BVF-F10
- Qty 50 terminals BVF-P10
- Qty 25 terminals YVF-F10
- Qty 25 terminals YVF-F14
- Qty 25 terminals YVF-P12
- Qty 25 connectors BV-BS
- Qty 25 connectors YV-BS

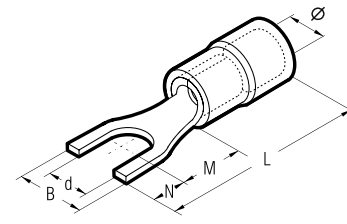


ring terminals



Conductor Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.					Quantity Box/Bag	
			Ø	B	M	N	L		d
22÷16 (0.25÷1.5)	#4	RVF-R4	0.16	0.22	0.18	0.11	0.69	0.13	3,000/100
		RVF-R6	0.16	0.22	0.18	0.11	0.69	0.15	3,000/100
		RVF-R8	0.16	0.28	0.26	0.14	0.79	0.17	3,000/100
		RVF-R10	0.16	0.31	0.28	0.15	0.83	0.21	3,000/100
		RVF-R14	0.16	0.37	0.32	0.19	0.90	0.25	3,000/100
		RVF-R516	0.16	0.47	0.41	0.24	1.04	0.33	2,000/100
		RVF-R38	0.16	0.61	0.52	0.30	1.22	0.41	1,500/100
16÷14 (1.5÷2.5)	#4	RVF-R12	0.16	0.71	0.61	0.35	1.36	0.51	1,500/100
		BVF-R4	0.19	0.22	0.20	0.11	0.70	0.13	2,500/100
		BVF-R6	0.19	0.22	0.20	0.11	0.70	0.15	2,500/100
		BVF-R8	0.19	0.31	0.26	0.16	0.81	0.17	2,500/100
		BVF-R10	0.19	0.31	0.30	0.16	0.85	0.21	2,000/100
		BVF-R14	0.19	0.37	0.34	0.19	0.92	0.25	2,500/100
		BVF-R516	0.19	0.47	0.41	0.24	1.04	0.33	1,500/100
12÷10 (4÷6)	#4	BVF-R38	0.19	0.61	0.52	0.30	1.22	0.41	1,500/100
		BVF-R12	0.19	0.71	0.61	0.35	1.36	0.51	1,000/100
		YVF-R4*	0.26	0.31	0.32	0.16	1.04	0.13	1,500/100
		YVF-R6	0.26	0.31	0.32	0.16	1.04	0.15	1,500/100
		YVF-R8	0.26	0.35	0.32	0.18	1.06	0.17	1,000/100
		YVF-R10	0.26	0.35	0.32	0.18	1.06	0.21	1,000/100
		YVF-R14	0.26	0.43	0.44	0.22	1.21	0.25	1,000/100
12÷10 (4÷6)	#4	YVF-R516	0.26	0.54	0.48	0.27	1.30	0.33	1,000/100
		YVF-R38	0.26	0.54	0.48	0.27	1.30	0.41	1,000/100
		YVF-R12	0.26	0.75	0.59	0.37	1.53	0.51	1,000/100
		YVF-R916	0.26	0.83	0.63	0.41	1.61	0.59	500/100
		YVF-R58	0.26	0.94	0.67	0.47	1.70	0.67	500/100

fork/spade terminals



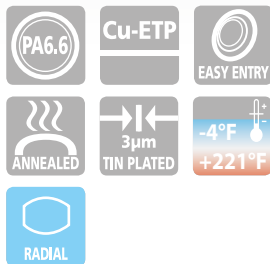
Conductor Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.					Quantity Box/Bag	
			Ø	B	M	N	L		d
22÷16 (0.25÷1.5)	#4	RVF-F4	0.16	0.22	0.22	0.16	0.77	0.13	3,500/100
		RVF-F6	0.16	0.25	0.26	0.15	0.80	0.15	3,000/100
		RVF-F8	0.16	0.26	0.30	0.15	0.84	0.17	3,000/100
		RVF-F10	0.16	0.33	0.30	0.15	0.84	0.17	3,000/100
		RVF-F14	0.16	0.37	0.32	0.19	0.90	0.25	2,500/100
		RVF-F516	0.16	0.55	0.39	0.25	1.04	0.33	2,000/100
		RVF-F38	0.16	0.69	0.52	0.30	1.22	0.41	1,500/100
16÷14 (1.5÷2.5)	#4	RVF-F12	0.16	0.79	0.61	0.35	1.36	0.51	1,500/100
		BVF-F4	0.19	0.22	0.22	0.16	0.77	0.13	2,500/100
		BVF-F6	0.19	0.25	0.26	0.15	0.80	0.15	2,500/100
		BVF-F8	0.19	0.26	0.30	0.15	0.84	0.17	2,500/100
		BVF-F10	0.19	0.33	0.30	0.15	0.84	0.21	2,500/100
		BVF-F14	0.19	0.37	0.32	0.19	0.90	0.25	2,500/100
		BVF-F516	0.19	0.55	0.39	0.25	1.04	0.33	1,500/100
12÷10 (4÷6)	#4	BVF-F38	0.19	0.69	0.51	0.30	1.22	0.41	2,000/100
		BVF-F12	0.19	0.79	0.61	0.35	1.36	0.51	1,000/100
		YVF-F6	0.26	0.30	0.33	0.15	1.05	0.15	1,500/100
		YVF-F8	0.26	0.30	0.31	0.17	1.05	0.17	1,000/100
		YVF-F10	0.26	0.37	0.31	0.17	1.05	0.21	1,000/100
		YVF-F14	0.26	0.39	0.43	0.22	1.21	0.25	1,000/100
		YVF-F516	0.26	0.53	0.47	0.31	1.35	0.33	1,000/100
12÷10 (4÷6)	#4	YVF-F38	0.26	0.61	0.51	0.31	1.39	0.41	1,000/100
		YVF-F12	0.26	0.83	0.59	0.37	1.53	0.51	500/100
		YVF-F916	0.26	0.91	0.63	0.41	1.61	0.59	500/100
		YVF-F58	0.26	1.02	0.67	0.45	1.69	0.67	500/100

*Not UL approved *Made to order

RKY BKY GKY

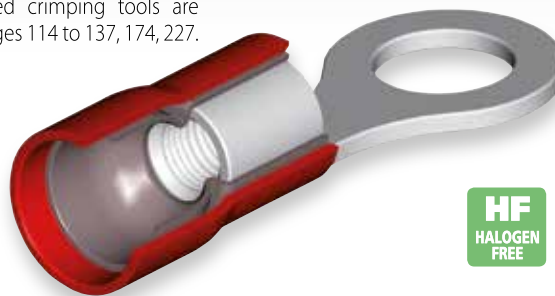
REINFORCED PA 6.6 INSULATED TERMINALS

KY range - for Copper conductors



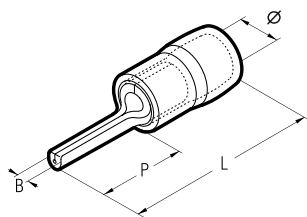
'KY' type terminals are designed to offer improved mechanical and electrical integrity under heavy-duty application. This is achieved via a Copper sleeve located between the Copper barrel and Polyamide insulation of the terminal. Then, during crimping, the insulation of the conductor is integrated into the crimp due to the Copper sleeve being deformed around it to maintain the level of 'grip' required in applications subject to continuous mechanical vibrations (e.g: mobile plant, vehicles, moving components).




Electrical connectors are produced using electrolytic Copper with a purity greater than 99.9%. The operating temperature range is - 4 to + 221°F (Surge + 230°F). Recommended crimping tools are shown on pages 114 to 137, 174, 227.



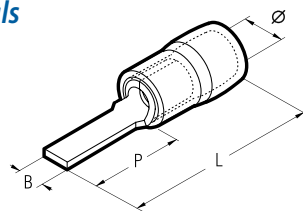
HF
HALOGEN
FREE




pin terminals



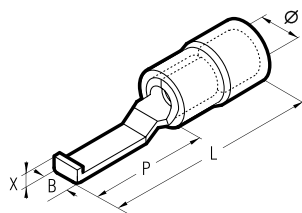
Conductor Size AWG (sqmm)	Type	Dimensions in.				Quantity Box/Bag
		Ø	B	P	L	
 22÷16 (0.25÷1.5)	RKY-P8	0.18	0.07	0.35	0.78	3,000/100
	RKY-P10	0.18	0.07	0.39	0.82	3,500/100
	RKY-P12	0.18	0.07	0.47	0.90	3,000/100
 16÷14 (1.5÷2.5)	BKY-P8	0.20	0.07	0.39	0.82	3,000/100
	BKY-P10	0.20	0.07	0.35	0.78	3,000/100
	BKY-P12	0.20	0.07	0.47	0.90	3,000/100
 12÷10 (4÷6)	GKY-P14	0.28	0.11	0.55	1.06	1,000/100




blade terminals



Conductor Size AWG (sqmm)	Type	Dimensions in.				Quantity Box/Bag
		Ø	B	P	L	
 22÷16 (0.25÷1.5)	RKY-PP12	0.18	0.12	0.51	0.94	3,000/100
	RKY-PP12/19	0.18	0.09	0.71	1.13	3,000/100
	RKY-PP16/23	0.18	0.08	0.71	1.13	2,500/100
 16÷14 (1.5÷2.5)	BKY-PP12	0.20	0.12	0.51	0.94	2,500/100
	BKY-PP12/25	0.20	0.09	0.51	0.94	2,000/100
	BKY-PP16/23	0.20	0.09	0.71	1.13	2,500/100
 12÷10 (4÷6)	GKY-PP12	0.28	0.16	0.55	1.06	1,000/100
	GKY-PP17	0.28	0.08	0.71	1.22	1,000/100

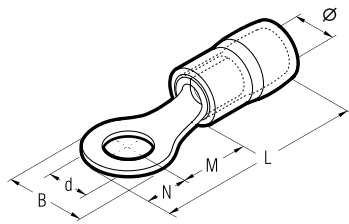
hooked blade terminals



Conductor Size AWG (sqmm)	Type	Dimensions in.					Quantity Box/Bag
		Ø	B	P	L	X	
 22÷16 (0.25÷1.5)	RKY-PPL30	0.18	0.12	0.66	1.11	0.08	3,000/100
	RKY-PPL46	0.18	0.18	0.66	1.11	0.08	3,000/100
 16÷14 (1.5÷2.5)	BKY-PPL30	0.20	0.12	0.66	1.11	0.08	2,500/100
	BKY-PPL46	0.20	0.18	0.66	1.11	0.08	2,500/100
 12÷10 (4÷6)	GKY-PPL46	0.28	0.18	0.68	1.19	0.09	1,000/100

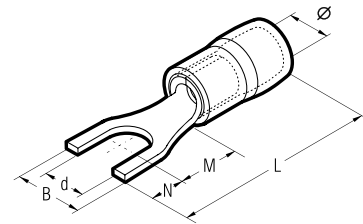
Consult Cembre for a wider range of pin and blade dimensions.

ring terminals



Cond. Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag
			Ø	B	M	N	L	d	
22÷16 (0.25÷1.5)		#4 RKY-M3	0.18	0.22	0.20	0.10	0.73	0.13	3,000/100
		#6 RKY-M3.5	0.18	0.22	0.20	0.10	0.73	0.15	3,000/100
		#6 RKY-M3.5/1	0.18	0.26	0.25	0.12	0.80	0.15	3,000/100
		#8 RKY-M4	0.18	0.26	0.25	0.12	0.80	0.17	3,000/100
		#10 RKY-M5	0.18	0.31	0.28	0.15	0.86	0.21	2,500/100
		1/4" RKY-M6/1	0.18	0.46	0.43	0.23	1.09	0.25	2,000/100
		5/16" RKY-M8	0.18	0.46	0.43	0.23	1.09	0.33	2,500/100
		3/8" RKY-M10	0.18	0.54	0.55	0.26	1.24	0.41	1,500/100
		1/2" RKY-M12	0.18	0.77	0.63	0.37	1.43	0.51	1,500/100
		16÷14 (1.5÷2.5)		#4 BKY-M3	0.20	0.26	0.19	0.12	0.74
#6 BKY-M3.5	0.20			0.26	0.19	0.12	0.74	0.15	2,500/100
#6 BKY-M3.5/1	0.20			0.26	0.25	0.12	0.80	0.15	2,500/100
#8 BKY-M4	0.20			0.33	0.31	0.16	0.90	0.17	2,500/100
#10 BKY-M5	0.20			0.33	0.31	0.16	0.90	0.21	2,500/100
1/4" BKY-M6/1	0.20			0.47	0.43	0.23	1.09	0.25	2,000/100
5/16" BKY-M8	0.20			0.47	0.43	0.23	1.09	0.33	1,500/100
3/8" BKY-M10	0.20			0.54	0.55	0.26	1.24	0.41	1,500/100
1/2" BKY-M12	0.20			0.76	0.63	0.37	1.43	0.51	1,000/100
12÷10 (4÷6)				#6 GKY-M3.5	0.28	0.28	0.24	0.14	0.89
		#8 GKY-M4	0.28	0.37	0.36	0.18	1.05	0.17	1,000/100
		#10 GKY-M5	0.28	0.37	0.36	0.18	1.05	0.21	1,000/100
		1/4" GKY-M6	0.28	0.47	0.41	0.24	1.16	0.25	1,000/100
		5/16" GKY-M8	0.28	0.59	0.53	0.30	1.34	0.33	1,000/100
		3/8" GKY-M10	0.28	0.59	0.53	0.30	1.34	0.41	1,000/100
		1/2" GKY-M12	0.28	0.76	0.63	0.38	1.52	0.51	1,000/100
		9/16" GKY-M14	0.28	1.26	0.99	0.63	2.13	0.59	500/100
		5/8" GKY-M16	0.28	1.26	0.99	0.63	2.13	0.67	500/100

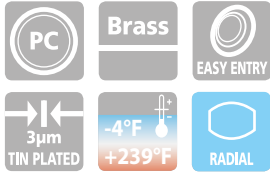
fork/spade terminals



Cond. Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag		
			Ø	B	M	N	L	d			
22÷16 (0.25÷1.5)		#4 RKY-U3	0.18	0.22	0.26	0.18	0.87	0.13	2,500/100		
		#6 RKY-U3.5	0.18	0.22	0.26	0.18	0.87	0.15	2,500/100		
		#8 RKY-U4	0.18	0.25	0.26	0.18	0.87	0.17	3,000/100		
		#10 RKY-U5	0.18	0.32	0.26	0.18	0.87	0.21	3,000/100		
		1/4" RKY-U6	0.18	0.37	0.26	0.18	0.87	0.25	2,000/100		
		1/4" RKY-U6/1	0.18	0.47	0.43	0.24	1.10	0.25	2,000/100		
		16÷14 (1.5÷2.5)		#4 BKY-U3	0.20	0.22	0.26	0.18	0.87	0.13	2,500/100
				#6 BKY-U3.5	0.20	0.24	0.26	0.18	0.87	0.15	2,500/100
				#8 BKY-U4	0.20	0.25	0.26	0.18	0.87	0.17	2,500/100
				#10 BKY-U5	0.20	0.31	0.26	0.18	0.87	0.21	2,000/100
1/4" BKY-U6	0.20			0.37	0.26	0.18	0.87	0.25	2,000/100		
1/4" BKY-U6/1	0.20			0.47	0.43	0.24	1.10	0.25	2,000/100		
12÷10 (4÷6)				#6 GKY-U3.5	0.28	0.28	0.30	0.15	0.96	0.15	1,000/100
				#8 GKY-U4	0.28	0.28	0.30	0.15	0.96	0.17	1,000/100
				#10 GKY-U5	0.28	0.35	0.28	0.22	1.00	0.21	1,000/100
				1/4" GKY-U6	0.28	0.47	0.47	0.26	1.24	0.25	1,000/100
		5/16" GKY-U8	0.28	0.55	0.41	0.28	1.20	0.33	1,000/100		

Consult Cembre for a wider range of pin and blade dimensions.

RPF-F BPF-F YPF-F



FEMALE DISCONNECT TERMINALS

for Copper conductors

Recommended crimping tools are shown on pages 114 to 137, 174, 227.



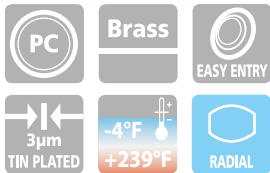
Polycarbonate insulated terminals partially reinforced with Copper sleeve

Conductor Size AWG (sqmm)	Type	Tab Size in.	Quantity Box/Bag
22÷16 (0.25÷1.5)	RPF-111FD	0.11 x 0.02	3,500/100
	RPF-110FD*	0.11 x 0.03	3,500/100
	RPF-188FD	0.19 x 0.02	3,000/100
	RPF-187FD	0.19 x 0.03	3,000/100
16÷14 (1.5÷2.5)	RPF-250FD	0.25 x 0.03	2,000/100
	BPF-188FD	0.19 x 0.02	3,000/100
	BPF-187FD	0.19 x 0.03	2,500/100
12÷10 (4÷6)	BPF-250FD	0.25 x 0.03	2,000/100
	YPF-250FD	0.25 x 0.03	1,000/100

Polycarbonate fully insulated terminals partially reinforced with Copper sleeve

Conductor Size AWG (sqmm)	Type	Tab Size in.	Quantity Box/Bag
22÷16 (0.25÷1.5)	RPF-111FIFD	0.11 x 0.02	2,500/100
	RPF-110FIFD*	0.11 x 0.03	2,500/100
	RPF-188FIFD	0.19 x 0.02	2,000/100
	RPF-187FIFD	0.19 x 0.03	2,000/100
16÷14 (1.5÷2.5)	RPF-250FIFD	0.25 x 0.03	1,500/100
	BPF-188FIFD	0.19 x 0.02	2,000/100
	BPF-187FIFD	0.19 x 0.03	2,000/100
12÷10 (4÷6)	BPF-250FIFD	0.25 x 0.03	1,500/100
	YPF-250FIFD	0.25 x 0.03	1,000/100

RPF-M BPF-M YPF-M



MALE DISCONNECT TERMINALS

for Copper conductors

Recommended crimping tools are shown on pages 114 to 137, 174, 227.



Polycarbonate insulated terminals partially reinforced with Copper sleeve

Conductor Size AWG (sqmm)	Type	Tab Size in.	Quantity Box/Bag
22÷16 (0.25÷1.5)	RPF-250MD	0.25 x 0.03	3,000/100
16÷14 (1.5÷2.5)	BPF-250MD	0.25 x 0.03	2,500/100
12÷10 (4÷6)	YPF-250MD	0.25 x 0.03	1,000/100

Polycarbonate fully insulated terminals partially reinforced with Copper sleeve

Conductor Size AWG (sqmm)	Type	Tab Size in.	Quantity Box/Bag
22÷16 (0.25÷1.5)	RPF-250FIMD	0.25 x 0.03	1,000/100
16÷14 (1.5÷2.5)	BPF-250FIMD	0.25 x 0.03	800/100

RPF-PD BPF-PD RPF-B BPF-B



MALE/FEMALE

for Copper conductors

Recommended crimping tools are shown on pages 114 to 137, 174, 227.

Polycarbonate insulated terminals partially reinforced with Copper sleeve

Conductor Size AWG (sqmm)	Type	Tab Size in.	Quantity Box/Bag
22÷16 (0.25÷1.5)	RPF-250PD	0.25 x 0.03	1,500/100
16÷14 (1.5÷2.5)	BPF-250PD	0.25 x 0.03	1,500/100

BULLET AND SOCKET

for Copper conductors



Polycarbonate insulated terminals partially reinforced with Copper sleeve

Conductor Size AWG (sqmm)	Type	Ø in.	Quantity Box/Bag
22÷16 (0.25÷1.5)	RPF-BM5/32*	0.16	2,500/100
	RPF-BF5/32*	0.16	1,000/100
16÷14 (1.5÷2.5)	BPF-BM13/64*	0.20	2,000/100
	BPF-BF13/64*	0.20	1,000/100

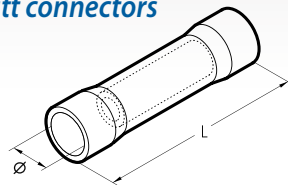
*Not UL approved

END TO END AND PARALLEL CONNECTORS

for Copper conductors



butt connectors

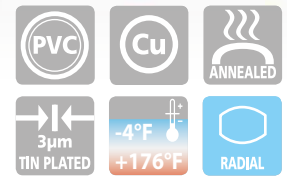


parallel connectors

Recommended crimping tools are shown on pages 114 to 137, 174, 227.

PVC insulated

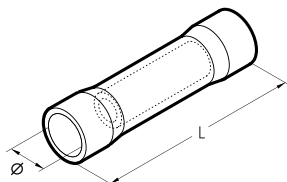
Conductor Size AWG (sqmm)	Type	Ø in.	L in.	Quantity Box/Bag
22÷16 (0.25÷1.5)	RV-BS	0.16	0.98	1,000/100
16÷14 (1.5÷2.5)	BV-BS	0.21	0.98	1,500/100
12÷10 (4÷6)	YV-BS	0.24	1.26	500/100
22÷16 (0.25÷1.5)	PL 03-P*	0.16	0.79	3,000/100
16÷14 (1.5÷2.5)	PL 06-P*	0.20	0.63	2,000/100



END TO END CONNECTORS

for Copper conductors

Recommended crimping tools are shown on pages 114 to 137, 174, 227.

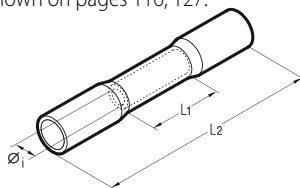


Nylon insulated

Conductor Size AWG (sqmm)	Type	Ø in.	L in.	Quantity Box/Bag
22÷16 (0.25÷1.5)	RN-BS	0.16	0.98	2,000/100
16÷14 (1.5÷2.5)	BN-BS	0.21	1.00	1,500/100
12÷10 (4÷6)	YN-BS	0.30	1.26	500/100



Recommended crimping tools are shown on pages 116, 127.



PE HD insulated, heat shrinkable

Conductor Size AWG (sqmm)	Type	Ø in.	L1 in.	L2 in.	Quantity Box/Bag
22÷16 (0.25÷1.5)	WL03-M	0.07	1.42	0.59	1,500/100
16÷14 (1.5÷2.5)	WL06-M	0.09	1.42	0.59	1,000/100
12÷10 (4÷6)	WL1-M	0.13	1.61	0.59	500/100

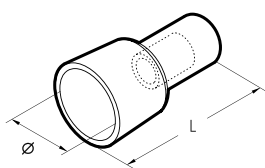
- Max operating voltage: 600 V
- Shrink temperature: 150 °C
- Protection: IP68



CLOSE END CONNECTORS

for Copper conductors

Recommended crimping tools are shown on pages 114 to 137, 174, 227.



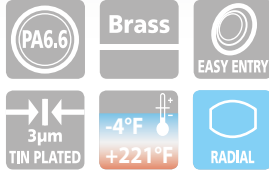
Nylon insulated

Conductor Size AWG (sqmm)	Type	Ø in.	L in.	Quantity Box/Bag
16÷14 (1.5÷2.5)	N14-EC	0.31	0.78	1,000/100
12÷10 (4÷6)	N14-BEC	0.26	0.54	1,500/100
8÷7 (10)	N10-EC	0.41	0.85	500/100
6÷5 (16)	N10-YEC	0.35	0.70	1,000/100



*Not UL approved

RKF-F BKF-F GK-F



Recommended crimping tools are shown on pages 114 to 137, 174, 227.

female connectors, fully reinforced with Copper sleeve

PA6.6 insulated terminals

Conductor Size AWG (sqmm)	Type	Tab Size in.	Quantity Box/Bag
22÷16 (0.25÷1.5)	RKF-F305	0.11 x 0.02	3,000/100
	RKF-F308	0.11 x 0.03	3,000/100
	RKF-F405	0.19 x 0.02	2,500/100
	RKF-F408	0.19 x 0.03	2,500/100
16÷14 (1.5÷2.5)	RKF-F608	0.25 x 0.03	2,500/100
	BKF-F405	0.19 x 0.02	2,500/100
	BKF-F408	0.19 x 0.03	2,500/100
12÷10 (4÷6)	BKF-F608	0.25 x 0.03	2,000/100
	GK-F608	0.25 x 0.03	1,500/100

REINFORCED DISCONNECT TERMINALS

for Copper conductors



PA6.6 fully insulated terminals

Conductor Size AWG (sqmm)	Type	Tab Size in.	Quantity Box/Bag
22÷16 (0.25÷1.5)	RKF-F405P	0.19 x 0.02	1,500/100
	RKF-F408P	0.19 x 0.03	2,000/100
16÷14 (1.5÷2.5)	RKF-F608P	0.25 x 0.03	1,000/100
	BKF-F405P	0.19 x 0.02	1,500/100
12÷10 (4÷6)	BKF-F408P	0.19 x 0.03	2,000/100
	BKF-F608P	0.25 x 0.03	1,000/100
12÷10 (4÷6)	GK-F608P	0.25 x 0.03	1,000/100

RKF BKF GKF



male connectors, fully reinforced with Copper sleeve - PA6.6 insulated terminals

Conductor Size AWG (sqmm)	Type	Tab Size in.	Quantity Box/Bag
22÷16 (0.25÷1.5)	RKF-M608	0.25 x 0.03	3,000/100
16÷14 (1.5÷2.5)	BKF-M608	0.25 x 0.03	2,500/100
12÷10 (4÷6)	GKF-M608	0.25 x 0.03	1,000/100

male/female connectors, fully reinforced with Copper sleeve PA6.6 insulated terminals

Conductor Size AWG (sqmm)	Type	Tab Size in.	Quantity Box/Bag
22÷16 (0.25÷1.5)	RKF-FM608	0.25 x 0.03	1,500/100
16÷14 (1.5÷2.5)	BKF-FM608	0.25 x 0.03	1,500/100

REINFORCED DISCONNECT TERMINALS

for Copper conductors



Recommended crimping tools are shown on pages 114 to 137, 174, 227.

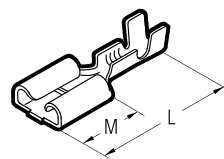
bullet and socket connectors fully reinforced with Copper sleeve PA6.6 insulated terminals

Conductor Size AWG (sqmm)	Type	Ø in.	Quantity Box/Bag
22÷16 (0.25÷1.5)	RKF-BM4	0.16	2,500/100
	RKF-BF4	0.16	1,000/100
16÷14 (1.5÷2.5)	BKF-BM4	0.20	2,000/100
	BKF-BF4	0.20	800/100

RN-FA BN-FA



Recommended crimping tools are shown on pages 114 to 137, 174, 227.



FEMALE CONNECTORS

for Copper conductors

Conductor Size AWG (sqmm)	Type	Tab Size in.	M in.	L in.	Quantity Box/Bag
20÷17 (0.5÷1)	RN-FA305	0.11 x 0.02	0.25	0.59	6,000/100
	RN-FA405	0.19 x 0.02	0.25	0.59	5,000/100
	RN-FA608	0.26 x 0.03	0.30	0.75	3,000/100
17÷14 (1÷2.5)	BN-FA608	0.25 x 0.03	0.30	0.75	2,000/100
	BN-FAB608*	0.25 x 0.03	0.30	0.61	2,000/100
	BN-FAR608**	0.25 x 0.03	0.30	0.75	3,000/100

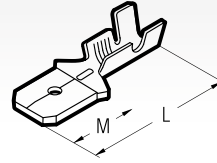
*flag type **with retainer

MALE CONNECTORS

open barrel - for Copper conductors

Conductor Size AWG (sqmm)	Type	Tab Size in.	M in.	L in.	Quantity Box/Bag
0,5÷1 (20÷17)	RN-MA305	0.11 x 0.02	0.23	0.51	6,000/100
	RN-MA405	0.19 x 0.02	0.25	0.68	5,000/100
	RN-MA608	0.25 x 0.03	0.31	0.78	4,000/100
1÷2,5 (17÷14)	BN-MA608	0.25 x 0.03	0.31	0.79	4,000/100

Recommended crimping tools are shown on page 120.



RN-MA BN-MA

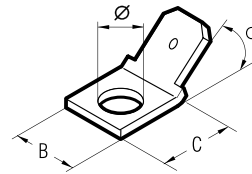


MALE TABS

for board mounting - for Copper conductors

Type	Tab Size in.	Ø Stud in.	B in.	C in.	α	Quantity Box/Bag
MP608	0.25 x 0.03	0.16	0.31	0.33	0°	5,000/100
MP608/45	0.25 x 0.03	0.16	0.31	0.33	45°	6,000/100
MP608/90	0.25 x 0.03	0.16	0.31	0.33	90°	5,000/100
MP608D*	0.25 x 0.03	0.19	0.31	0.55	0°	5,000/100

*double tab



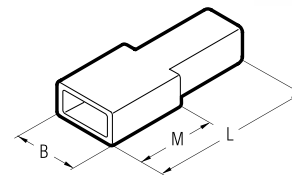
MP MPD



CONNECTOR SLEEVES

Type	Connector	B in.	M in.	L in.	Material	Quantity Box/Bag
CFA300	Female 2,8	0.22	0.28	0.71	Polyethylene	3,000/100
CFA400*	Female 4,8	0.30	0.35	0.79	Polyethylene	2,000/100
CFA600*	Female 6,3	0.35	0.43	0.94	Polyethylene	1,000/100
CFA2-600**	Female 6,3	0.35	0.35	0.87	Polyethylene	1,500/100
CFAR600	Female 6,3 with retainer	0.35	0.47	0.98	Polyamide 6.6	500/100
CFAB600	Female 6,3 flag	0.39	-	0.71	Polyamide 6.6	500/50
CMA600*	Male 6,3	0.47	0.43	0.87	Polyethylene	500/100

CFA CMA



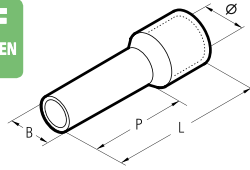
*For a single cable.
Colours available:
Transparent: no suffix
Red: add suffix R
Black: add suffix N

**For twin cables.
Colours available:
Transparent: no suffix
Red: add suffix R
Black: add suffix N
Green: add suffix V
Blue: add suffix B
Yellow: add suffix G

PKD

PA6 INSULATED END SLEEVES

for flexible Copper conductors



VALSTAR-ND2/PKD

- Comprising:
- a selection of end sleeves PKD conductor size 17÷10 AWG
 - tool ND2.

VALSTAR-ND2/PKE

- Comprising:
- a selection of end sleeves PKE conductor size 17÷10 AWG
 - tool ND2

VALSTAR-ND2/PKC

- Comprising:
- a selection of end sleeves PKC conductor size 17÷10 AWG
 - tool ND2

The PK.. range of end sleeves is manufactured from Tin plated electrolytic Copper with a purity greater than 99.9%.

Designed and developed to reinforce fine wire strands when terminating a cable into a connector block.

The PKD series of insulated end sleeves comply with specification DIN 46228/4.

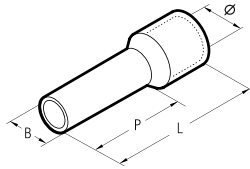
The operating temperature range is - 4 to + 239°F (Surge + 266°F). Recommended crimping tools are shown on pages 114 to 139, 145-146, 174-176, 227.

Conductor Size AWG	Type	Dimensions in.				Insulation Colour	Quantity Box/Bag
		Ø	B	P	L		
22÷20	PKD506	0.10	0.06	0.24	0.47	○ white	10,000/500
	PKD508	0.10	0.06	0.31	0.55		10,000/500
	PKD510	0.10	0.06	0.39	0.63		10,000/500
18	PKD7506	0.11	0.06	0.24	0.47	○ grey	10,000/500
	PKD7508	0.11	0.06	0.31	0.55		10,000/500
	PKD7510	0.11	0.06	0.39	0.63		10,000/500
	PKD7512	0.11	0.06	0.47	0.71		10,000/500
17	PKD106	0.12	0.07	0.24	0.47	● red	10,000/500
	PKD108	0.12	0.07	0.31	0.55		10,000/500
	PKD110	0.12	0.07	0.39	0.63		10,000/500
	PKD112	0.12	0.07	0.47	0.71		8,000/500
16	PKD1508	0.14	0.08	0.31	0.55	● black	5,000/500
	PKD1510	0.14	0.08	0.39	0.63		5,000/500
	PKD1512	0.14	0.08	0.47	0.71		5,000/500
14	PKD1518	0.14	0.08	0.71	0.94	● blue	5,000/500
	PKD2508	0.17	0.1	0.31	0.55		5,000/500
	PKD2512	0.17	0.1	0.47	0.71		4,000/500
12	PKD2518	0.17	0.1	0.71	0.94	● blue	5,000/500
	PKD410	0.19	0.13	0.39	0.71		3,000/200
	PKD412	0.19	0.13	0.47	0.79		3,000/200
10	PKD418	0.19	0.13	0.71	1.02	○ grey	3,000/200
	PKD612	0.25	0.16	0.47	0.79		1,500/100
	PKD618	0.25	0.16	0.71	1.02		2,000/100
8÷7	PKD1012	0.30	0.2	0.47	0.87	● yellow	1,000/100
	PKD1018	0.30	0.2	0.71	1.10		1,000/100
6÷5	PKD1612	0.35	0.25	0.47	0.94	● red	800/100
	PKD1618	0.35	0.25	0.71	1.10		1,000/100
4	PKD25016	0.44	0.31	0.63	1.18	● blue	500/50
	PKD25022	0.44	0.31	0.87	1.42		500/50
2	PKD35016	0.50	0.35	0.63	1.18	● yellow	400/50
	PKD35025	0.50	0.35	0.98	1.54		400/50
1/0	PKD50020	0.59	0.43	0.79	1.42	● red	400/50
	PKD50025	0.59	0.43	0.98	1.61		200/50

PKE

PA6 INSULATED END SLEEVES

for flexible Copper conductors



Conductor Size AWG	Type	Dimensions in.				Insulation Colour	Quantity Box/Bag
		Ø	B	P	L		
26÷22	PKE308	0.07	0.04	0.31	0.47	● yellow	20,000/500
22÷20	PKE508*	0.10	0.06	0.31	0.55	○ white	10,000/500
18	PKE7508	0.11	0.06	0.31	0.55	● blue	10,000/500
17	PKE108*	0.12	0.07	0.31	0.55	● red	10,000/500
16	PKE1508*	0.14	0.08	0.31	0.55	● black	5,000/500
	PKE1510*	0.14	0.08	0.39	0.63		5,000/500
	PKE1518*	0.14	0.08	0.71	0.94		5,000/500
14	PKE2508	0.17	0.1	0.31	0.55	○ grey	5,000/500
	PKE2512	0.17	0.1	0.47	0.71		4,000/500
	PKE2518	0.17	0.1	0.71	0.94		3,000/500
12	PKE410	0.19	0.13	0.39	0.71	● orange	3,000/200
	PKE412	0.19	0.13	0.47	0.79		3,000/200
10	PKE418	0.19	0.13	0.71	1.02	● green	3,000/200
	PKE612	0.25	0.16	0.47	0.79		1,500/100
8÷7	PKE618	0.25	0.16	0.71	1.02	● brown	1,500/100
	PKE1012	0.30	0.2	0.47	0.87		1,000/100
6÷5	PKE1018	0.30	0.2	0.71	1.10	○ ivory	1,000/100
	PKE1612	0.35	0.24	0.47	0.91		800/100
4	PKE1618	0.35	0.24	0.71	1.14	● black	1,000/100
	PKE25016	0.44	0.31	0.63	1.18		500/50
	PKE25022	0.44	0.31	0.87	1.42	500/50	

*to DIN standard 46 228/4

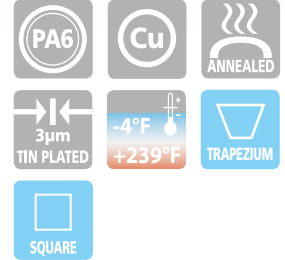
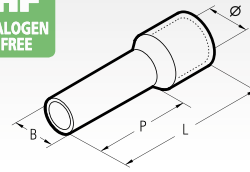
PA6 INSULATED END SLEEVES

for flexible Copper conductors

Conductor Size AWG	Type	Dimensions in.				Insulation Colour	Quantity Box/Bag
		Ø	B	P	L		
26÷22	PKC306	0.07	0.04	0.24	0.39	light blue	20,000/500
	PKC308	0.07	0.04	0.31	0.47	blue	20,000/500
22÷20	PKC508	0.10	0.06	0.31	0.55	orange	10,000/500
	PKC510	0.10	0.06	0.39	0.63	orange	10,000/500
18	PKC7508	0.11	0.06	0.31	0.55	white	10,000/500
	PKC7512	0.11	0.06	0.47	0.71	white	10,000/500
17	PKC108	0.12	0.07	0.31	0.55	yellow	10,000/500
	PKC112	0.12	0.07	0.47	0.71	yellow	10,000/500
16	PKC1508	0.14	0.08	0.31	0.55	red	5,000/500
	PKC1510	0.14	0.08	0.39	0.63	red	5,000/500
	PKC1518	0.14	0.08	0.71	0.94	red	5,000/500
14	PKC2508*	0.17	0.10	0.31	0.55	blue	5,000/500
	PKC2512*	0.17	0.10	0.47	0.71	blue	5,000/500
	PKC2518*	0.17	0.10	0.71	0.94	blue	5,000/500
12	PKC410*	0.19	0.13	0.39	0.71	grey	3,000/200
	PKC412*	0.19	0.13	0.47	0.79	grey	3,000/200
	PKC418*	0.19	0.13	0.71	1.02	grey	3,000/200
10	PKC612	0.25	0.16	0.47	0.79	black	1,500/100
	PKC618	0.25	0.16	0.71	1.02	black	2,000/100
8÷7	PKC1012	0.30	0.20	0.47	0.87	ivory	1,000/100
	PKC1018	0.30	0.20	0.71	1.10	ivory	1,000/100
6÷5	PKC1612	0.35	0.24	0.47	0.91	green	800/100
	PKC1618	0.35	0.24	0.71	1.14	green	1,000/100
4	PKC25016	0.44	0.31	0.63	1.18	brown	500/50
	PKC25022	0.44	0.31	0.87	1.42	brown	500/50
2	PKC35016	0.50	0.35	0.63	1.18	beige	400/50
	PKC35025	0.50	0.35	0.98	1.54	beige	300/50
1/0	PKC50020	0.59	0.43	0.79	1.42	olive	200/50
	PKC50025	0.59	0.43	0.98	1.61	olive	200/50
2/0	PKC70022	0.63	0.56	0.87	1.50	yellow	100/25
3/0	PKC95025	0.71	0.62	0.98	1.73	red	100/25
250 MCM	PKC120027	0.83	0.69	1.06	1.89	blue	100/25

*to DIN standard 46 228/4

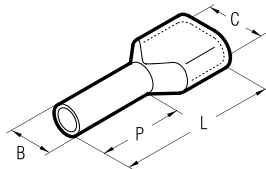
HF HALOGEN FREE



"TWIN" PA6 INSULATED END SLEEVES

for fine stranded conductors

HF HALOGEN FREE
UL US File no. E125401



Conductor Size AWG	Type	Dimensions in.				Insulation Colour	ND1,ND2,ND3, ND4 and HNKE 50 Compression Aperture	Quantity Box/Bag
		C	B	P	L			
2 x 20	PKT508	0.19x0.10	0.07	0.32	0.55	white	1	5,000/500
	PKT510*	0.19x0.10	0.07	0.39	0.71	white	1	5,000/500
2 x 18	PKT7508	0.20x0.11	0.08	0.32	0.59	grey	1,5	2,500/100
	PKT7510	0.20x0.11	0.08	0.39	0.67	grey	1,5	2,500/100
2 x 17	PKT108	0.21x0.13	0.09	0.32	0.63	red	2,5	2,500/100
	PKT110	0.21x0.13	0.09	0.39	0.71	red	2,5	2,500/100
2 x 16	PKT1508	0.26x0.14	0.10	0.32	0.63	black	2,5	2,500/100
	PKT1512	0.26x0.14	0.10	0.47	0.79	black	2,5	2,500/100
2 x 14	PKT2510	0.31x0.17	0.13	0.39	0.79	blue	4	2,000/100
	PKT2512	0.31x0.17	0.13	0.47	0.87	blue	4	1,500/100
2 x 12	PKT412	0.35x0.19	0.17	0.47	0.91	grey	6	1,000/100
2 x 10	PKT614	0.39x0.27	0.21	0.55	1.02	yellow	10	800/100
2 x 8÷7	PKT1014*	0.52x0.30	0.24	0.47	0.94	red	16	500/50
2 x 6÷5	PKT1614	0.73x0.38	0.35	0.55	1.20	blue	35	300/50

*Not UL approved

PKT



Type PKT range of end sleeves is manufactured from Tin plated electrolytic Copper with a purity greater than 99.9%. Designed to accommodate two cables terminating in the same sleeve. The operating temperature range is -4 to +239°F (Surge +266°F).

Recommended crimping tools are shown on pages 114 to 139, 145-146, 174-176, 227.

for flexible Copper conductors



Conductor Size AWG	Type	Dimensions in.				Insulation Colour	Quantity Box/Bag
		Ø	B	P	L		
22÷20	CPKD508	0.10	0.05	0.31	0.55	○ white	5,000
18	CPKD7508	0.11	0.06	0.31	0.55	● grey	5,000
17	CPKD108	0.12	0.07	0.31	0.55	● red	5,000
15	CPKD1508	0.14	0.08	0.31	0.55	● black	5,000
13	CPKD2508	0.17	0.10	0.31	0.55	● blue	3,000

Conforms to DIN standard 46228/4.

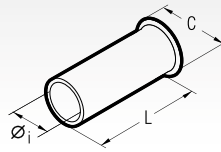


Interchangeable application heads are available for crimping these terminals with the bench press ELB-3 (see page 140).

UNINSULATED END SLEEVES

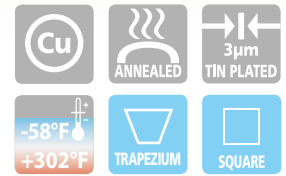
for flexible Copper conductors

KE



Conductor Size AWG	Type	Dimensions in.			Quantity Box/Bag
		ø	L	C	
22÷20	KE506ST*	0.04	0.24	0.07	50,000/500
	KE508ST	0.04	0.31	0.07	50,000/500
18	KE7506ST*	0.05	0.24	0.09	40,000/500
	KE7508ST	0.05	0.31	0.09	40,000/500
17	KE106ST*	0.06	0.24	0.09	25,000/500
	KE110ST*	0.06	0.39	0.09	25,000/500
16	KE1508ST	0.07	0.31	0.11	25,000/500
	KE1510ST*	0.07	0.39	0.11	25,000/500
14	KE2508ST	0.09	0.31	0.13	20,000/500
	KE2510ST*	0.09	0.39	0.13	15,000/500
12	KE410ST	0.11	0.39	0.16	12,500/500
	KE412ST*	0.11	0.47	0.16	10,000/500
10	KE610ST*	0.14	0.39	0.19	10,000/500
	KE612ST*	0.14	0.47	0.19	7,500/500
	KE616ST*	0.14	0.59	0.19	5,000/500
8÷7	KE1016ST*	0.18	0.59	0.23	4,000/250
6÷5	KE1616ST*	0.23	0.59	0.30	3,000/250
4	KE25015ST	0.29	0.59	0.37	1,500/100
	KE25018ST*	0.29	0.71	0.37	1,500/100
2	KE35012ST	0.33	0.47	0.41	1,500/100
	KE35015ST	0.33	0.63	0.41	1,500/100
	KE35018ST*	0.33	0.71	0.41	1,000/100

*to DIN standard 46 228/1



KE series end sleeves are manufactured from Tin plated electrolytic Copper with a purity greater than 99.9%.

Designed and developed for use with flexible cables.

Recommended crimping tools are shown on pages 114 to 139, 145-146, 174-176, 227.

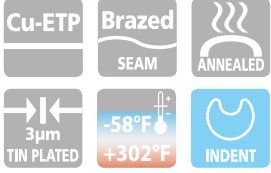
S range - brazed seam - for Copper conductors



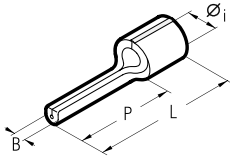
S range terminals are manufactured from electrolytic Copper strip with a purity greater than 99.9% and Tin plated.

The seam is brazed to provide uniform mechanical strength. The terminal barrel is rifled to enhance electrical contact and to im-

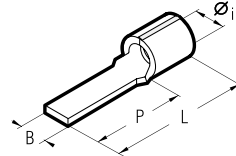
prove mechanical strength. Recommended crimping tools are shown on pages 114 to 137, 174.



pin terminals



blade terminals

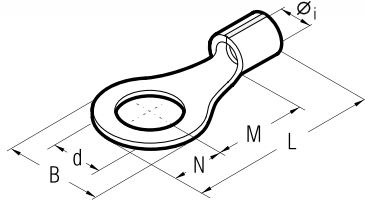


Conductor Size AWG (sqmm)	Type	Dimensions in.				Quantity Box/Bag
		Øi	B	P	L	
22÷16 (0,25÷1,5)	S1.5-P8	0.07	0.06	0.31	0.47	8,000/100
	S1.5-P10	0.07	0.06	0.39	0.55	8,000/100
	S1.5-P12	0.07	0.06	0.47	0.64	8,000/100
16÷14 (1,5÷2,5)	S2.5-P8	0.09	0.07	0.31	0.47	7,000/100
	S2.5-P10	0.09	0.07	0.39	0.55	7,000/100
	S2.5-P12	0.09	0.07	0.47	0.63	7,000/100
12÷10 (4÷6)	S6-P10	0.14	0.09	0.39	0.66	4,000/100
	S6-P12	0.14	0.09	0.47	0.76	4,000/100
	S6-P14	0.14	0.09	0.55	0.83	3,500/100

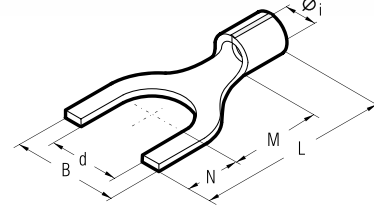
Conductor Size AWG (sqmm)	Type	Dimensions in.				Quantity Box/Bag
		Øi	B	P	L	
22÷16 (0,25÷1,5)	S1.5-PP12	0.07	0.12	0.50	0.67	8,000/100
	S1.5-PP12/1*	0.07	0.12	0.44	0.61	8,000/100
	S1.5-PP12/19	0.07	0.07	0.52	0.69	8,000/100
	S1.5-PP14	0.07	0.12	0.58	0.75	8,000/100
16÷14 (1,5÷2,5)	S2.5-PP12	0.09	0.14	0.50	0.67	7,000/100
	S2.5-PP12/25	0.09	0.10	0.52	0.69	7,000/100
	S2.5-PP16/25	0.09	0.10	0.68	0.84	7,000/100
	S6-PP12	0.14	0.16	0.52	0.78	4,000/100
12÷10 (4÷6)	S6-PP17	0.14	0.11	0.75	1.00	4,000/100

*Made to order

ring terminals



fork/spade terminals



Conductor Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag
			Øi	B	M	N	L	d	
22÷16 (0,25÷1,5)	#3	S1.5-M2*	0.07	0.22	0.18	0.11	0.45	0.09	7,000/100
	#4	S1.5-M3	0.07	0.22	0.18	0.11	0.45	0.13	7,000/100
	#6	S1.5-M3.5	0.07	0.22	0.18	0.11	0.45	0.15	7,000/100
	#6	S1.5-M3.5/1*	0.07	0.24	0.28	0.12	0.57	0.15	7,000/100
	#8	S1.5-M4	0.07	0.28	0.26	0.14	0.56	0.17	7,000/100
	#8	S1.5-M4/3*	0.07	0.31	0.28	0.15	0.60	0.17	7,000/100
	#10	S1.5-M5	0.07	0.31	0.28	0.15	0.60	0.21	7,000/100
	1/4"	S1.5-M6	0.07	0.37	0.32	0.19	0.67	0.25	6,000/100
	1/4"	S1.5-M6/1	0.07	0.47	0.41	0.24	0.81	0.25	5,000/100
	17/64"	S1.5-M7	0.07	0.37	0.32	0.19	0.67	0.28	6,000/100
	5/16"	S1.5-M8	0.07	0.47	0.41	0.24	0.81	0.33	4,000/100
	3/8"	S1.5-M10	0.07	0.61	0.51	0.30	0.98	0.41	3,000/100
1/2"	S1.5-M12	0.07	0.71	0.61	0.35	1.13	0.51	2,000/100	
16÷14 (1,5÷2,5)	#4	S2.5-M3	0.09	0.22	0.20	0.11	0.47	0.13	6,000/100
	#6	S2.5-M3.5	0.09	0.22	0.20	0.11	0.47	0.15	6,000/100
	#6	S2.5-M3.5/1*	0.09	0.24	0.26	0.12	0.54	0.15	5,000/100
	#8	S2.5-M4	0.09	0.31	0.26	0.16	0.58	0.17	5,000/100
	#10	S2.5-M5	0.09	0.31	0.30	0.16	0.62	0.21	5,000/100
	1/4"	S2.5-M6	0.09	0.37	0.34	0.19	0.69	0.25	5,000/100
	1/4"	S2.5-M6/1	0.09	0.47	0.41	0.24	0.81	0.25	5,000/100
	17/64"	S2.5-M7	0.09	0.39	0.31	0.20	0.67	0.28	5,000/100
	5/16"	S2.5-M8	0.09	0.47	0.41	0.24	0.81	0.33	4,000/100
	3/8"	S2.5-M10	0.09	0.61	0.51	0.30	0.98	0.41	2,500/100
	1/2"	S2.5-M12	0.09	0.71	0.61	0.35	1.13	0.51	2,000/100
	12÷10 (4÷6)	#4	S6-M3	0.14	0.31	0.32	0.16	0.73	0.13
#6		S6-M3.5	0.14	0.31	0.32	0.16	0.73	0.15	3,000/100
#8		S6-M4	0.14	0.35	0.32	0.18	0.75	0.17	3,000/100
#10		S6-M5	0.14	0.35	0.32	0.18	0.75	0.21	2,500/100
1/4"		S6-M6	0.14	0.43	0.44	0.22	0.91	0.25	2,500/100
1/4"		S6-M6/1*	0.14	0.43	0.32	0.22	0.79	0.25	2,500/100
17/64"		S6-M7	0.14	0.43	0.44	0.22	0.91	0.28	2,500/100
5/16"		S6-M8	0.14	0.54	0.48	0.27	1.00	0.33	2,000/100
3/8"		S6-M8/1*	0.14	0.43	0.32	0.22	0.79	0.33	2,500/100
3/8"		S6-M10	0.14	0.54	0.48	0.27	1.00	0.41	2,000/100
3/8"		S6-M10/1	0.14	0.61	0.54	0.30	1.10	0.41	2,000/100
1/2"		S6-M12	0.14	0.75	0.59	0.37	1.22	0.51	1,000/100
10 (8)	9/16"	S6-M14	0.14	0.83	0.63	0.41	1.30	0.59	1,000/100
	5/8"	S6-M16	0.14	0.94	0.67	0.47	1.40	0.67	1,000/100
	#8	S10-M4	0.19	0.45	0.35	0.23	0.94	0.17	2,000/100
	#10	S10-M5	0.19	0.45	0.35	0.23	0.94	0.21	2,000/100
	1/4"	S10-M6	0.19	0.45	0.35	0.23	0.94	0.25	2,000/100
	17/64"	S10-M7	0.19	0.45	0.35	0.23	0.94	0.28	1,500/100

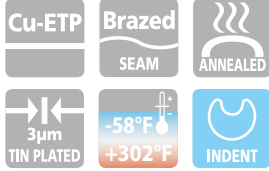
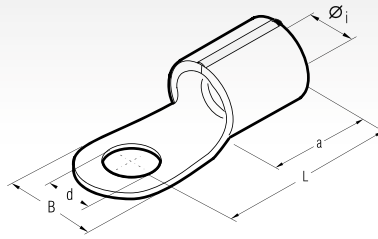
Conductor Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag
			Øi	B	M	N	L	d	
22÷16 (0,25÷1,5)	#4	S1.5-U3	0.07	0.22	0.22	0.16	0.54	0.13	7,000/100
	#6	S1.5-U3.5	0.07	0.24	0.26	0.15	0.57	0.15	7,000/100
	#6	S1.5-U3.5/2*	0.07	0.25	0.26	0.15	0.57	0.15	7,000/100
	#8	S1.5-U4	0.07	0.26	0.30	0.15	0.61	0.17	7,000/100
	#8	S1.5-U4/1*	0.07	0.33	0.30	0.15	0.61	0.17	7,000/100
	#8	S1.5-U4/2	0.07	0.30	0.30	0.15	0.61	0.17	7,000/100
	#10	S1.5-U5	0.07	0.33	0.30	0.15	0.61	0.21	7,000/100
	#10	S1.5-U5/1	0.07	0.37	0.30	0.15	0.61	0.21	7,000/100
	1/4"	S1.5-U6	0.07	0.37	0.32	0.19	0.67	0.25	6,000/100
	1/4"	S1.5-U6/1*	0.07	0.47	0.36	0.28	0.81	0.25	6,000/100
	5/16"	S1.5-U8	0.07	0.55	0.39	0.25	0.81	0.33	3,000/100
	3/8"	S1.5-U10	0.07	0.69	0.51	0.30	0.98	0.41	2,500/100
1/2"	S1.5-U12	0.07	0.79	0.61	0.35	1.13	0.51	2,000/100	
16÷14 (1,5÷2,5)	#4	S2.5-U3	0.09	0.22	0.22	0.16	0.54	0.13	6,000/100
	#6	S2.5-U3.5	0.09	0.25	0.26	0.15	0.57	0.15	6,000/100
	#6	S2.5-U3.5/1*	0.09	0.28	0.26	0.15	0.57	0.15	6,000/100
	#8	S2.5-U4	0.09	0.26	0.30	0.15	0.61	0.17	5,000/100
	#8	S2.5-U4/1*	0.09	0.33	0.30	0.15	0.61	0.17	6,000/100
	#8	S2.5-U4/2*	0.09	0.30	0.30	0.15	0.61	0.17	6,000/100
	#10	S2.5-U5	0.09	0.33	0.30	0.15	0.61	0.21	6,000/100
	1/4"	S2.5-U6	0.09	0.37	0.32	0.19	0.67	0.25	5,000/100
	1/4"	S2.5-U6/1*	0.09	0.47	0.36	0.28	0.81	0.25	4,000/100
	5/16"	S2.5-U8	0.09	0.55	0.39	0.25	0.81	0.33	2,500/100
	3/8"	S2.5-U10	0.09	0.69	0.51	0.30	0.98	0.41	2,000/100
	1/2"	S2.5-U12	0.09	0.79	0.61	0.35	1.13	0.51	2,000/100
12÷10 (4÷6)	#6	S6-U3.5	0.14	0.30	0.33	0.15	0.74	0.15	3,000/100
	#8	S6-U4	0.14	0.30	0.31	0.17	0.74	0.17	3,000/100
	#10	S6-U5	0.14	0.37	0.31	0.17	0.74	0.21	2,500/100
	1/4"	S6-U6	0.14	0.39	0.43	0.22	0.90	0.25	2,500/100
	5/16"	S6-U8	0.14	0.53	0.47	0.31	1.04	0.33	2,000/100
	3/8"	S6-U10	0.14	0.61	0.51	0.31	1.08	0.41	2,000/100
	3/8"	S6-U10/1*	0.14	0.69	0.54	0.30	1.10	0.41	2,000/100
	1/2"	S6-U12	0.14	0.83	0.59	0.37	1.22	0.51	1,000/100
	9/16"	S6-U14	0.14	0.91	0.63	0.41	1.30	0.59	1,000/100
	5/8"	S6-U16*	0.14	1.02	0.67	0.45	1.38	0.67	1,000/100

*Made to order

Q

CRIMPING CONNECTORS ACCORDING TO DIN 46234

for Copper conductors



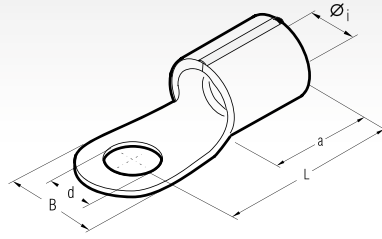
Q type connectors are manufactured from electrolytic Copper strip with a purity greater than 99.9%, annealed and surface protected by tin plating; dimensions are compliant with DIN 46234; the sleeve is brazed with a silver-Copper alloy. Details of the conductor csa and stud diameter are engraved on the palm. Details of the appropriate crimping tools and dies are shown on page 242-243.

Consult us for special requirements.

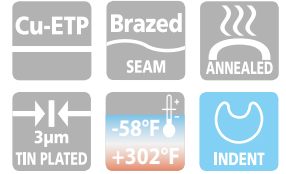
Conductor Size AWG	Ø Stud in.	Type	Dimensions in.					Quantity Box/Bag	Mechanical Tools	Hydraulic Tools		
			Øi	d	L	B	a					
10÷8	#8	Q10-4	0.18	0.17	0.63	0.39	0.31	1,500/100	HN5	HT81-U RHU81	B1300L-CA and similar tools for U dies	ECW-H3D
	#10	Q10-5	0.18	0.21	0.63	0.39	0.31	1,500/100				
	1/4"	Q10-6	0.18	0.26	0.67	0.43	0.31	1,000/100				
	5/16"	Q10-8	0.18	0.33	0.79	0.55	0.31	1,000/100				
	3/8"	Q10-10	0.18	0.41	0.83	0.71	0.31	1,000/100				
1/2"	Q10-12	0.18	0.51	0.87	0.87	0.31	500/100					
8÷6	#10	Q16-5	0.23	0.21	0.79	0.43	0.39	1,000/100				
	1/4"	Q16-6	0.23	0.26	0.79	0.43	0.39	1,000/100				
	5/16"	Q16-8	0.23	0.33	0.87	0.55	0.39	500/100				
	3/8"	Q16-10	0.23	0.41	0.94	0.71	0.39	500/100				
6÷4	1/2"	Q16-12	0.23	0.51	1.02	0.87	0.39	500/100				
	#10	Q25-5	0.30	0.21	0.98	0.47	0.43	500/100				
	1/4"	Q25-6	0.30	0.26	0.98	0.47	0.43	500/100				
	5/16"	Q25-8	0.30	0.33	0.98	0.63	0.43	500/100				
	3/8"	Q25-10	0.30	0.41	1.02	0.71	0.43	500/100				
4÷2	1/2"	Q25-12	0.30	0.51	1.22	0.87	0.43	500/100				
	5/8"	Q25-16	0.30	0.67	1.38	1.10	0.43	200/100				
	1/4"	Q35-6	0.35	0.26	1.02	0.59	0.47	400/100				
	5/16"	Q35-8	0.35	0.33	1.02	0.63	0.47	400/100				
	3/8"	Q35-10	0.35	0.41	1.06	0.71	0.47	300/100				
2÷1/0	1/2"	Q35-12	0.35	0.51	1.22	0.87	0.47	250/50				
	5/8"	Q35-16	0.35	0.67	1.42	1.10	0.47	200/50				
	1/4"	Q50-6	0.43	0.26	1.34	0.71	0.63	200/50				
	5/16"	Q50-8	0.43	0.33	1.34	0.71	0.63	200/50				
	3/8"	Q50-10	0.43	0.41	1.34	0.71	0.63	200/50				
1/0 2/0	1/2"	Q50-12	0.43	0.51	1.42	0.87	0.63	200/50				
	5/8"	Q50-16	0.43	0.67	1.57	1.10	0.63	200/50				
	1/4"	Q70-6	0.51	0.26	1.50	0.87	0.71	100/50				
	5/16"	Q70-8	0.51	0.33	1.50	0.87	0.71	100/50				
	3/8"	Q70-10	0.51	0.41	1.50	0.87	0.71	100/50				
2/0 3/0	1/2"	Q70-12	0.51	0.51	1.50	0.87	0.71	100/50				
	5/8"	Q70-16	0.51	0.67	1.65	1.10	0.71	100/50				
	5/16"	Q95-8	0.59	0.33	1.65	0.94	0.79	100/25				
	3/8"	Q95-10	0.59	0.41	1.65	0.94	0.79	100/25				
3/0	1/2"	Q95-12	0.59	0.51	1.73	0.94	0.79	100/25				
	5/8"	Q95-16	0.59	0.67	2.76	1.10	0.79	100/25				

CRIMPING CONNECTORS ACCORDING TO DIN 46234

for Copper conductors



Conductor Size AWG	Ø Stud in.	Type	Dimensions in.					Quantity Box/Bag	Hydraulic Tools	
			Øi	d	L	B	a		B1300L-CA and similar tools for U dies	ECW-H3D
3/0 250	5/16"	Q120-8	0.65	0.33	1.73	0.94	0.87	100/25		
	3/8"	Q120-10	0.65	0.41	1.73	0.94	0.87	100/25		
	1/2"	Q120-12	0.65	0.51	1.73	0.94	0.87	100/25		
250	5/8"	Q120-16	0.65	0.67	1.89	1.10	0.87	50/25		
	3/8"	Q150-10	0.75	0.41	1.97	1.18	0.94	50/25		
300	1/2"	Q150-12	0.75	0.51	1.97	1.18	0.94	50/25		
MCM	5/8"	Q150-16	0.75	0.67	1.97	1.18	0.94	50/25		
300	3/8"	Q185-10	0.83	0.41	1.97	1.42	1.10	40/20		
350	1/2"	Q185-12	0.83	0.51	1.97	1.42	1.10	40/20		
MCM	5/8"	Q185-16	0.83	0.67	1.97	1.42	1.10	30/15		
350	3/8"	Q240-10	0.93	0.41	2.20	1.50	1.26	10/10		
500	1/2"	Q240-12	0.93	0.51	2.20	1.50	1.26	10/10		
MCM	5/8"	Q240-16	0.93	0.67	2.20	1.50	1.26	10/10		



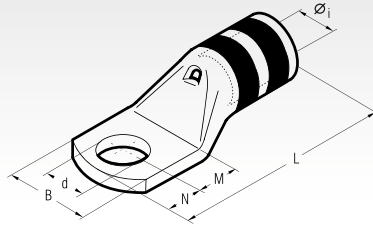
Consult us for special requirements.

Consult us for further information.

C

COLOUR CODED COPPER CRIMPING LUGS

for Copper conductors



C series lugs are manufactured from electrolytic Copper tube with a purity greater than 99.9%.

The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

Cembre lugs are annealed to guarantee optimum ductility, an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.

In applications subject to vibration, terminals have to perform a reliable connection, the annealing process plays a vital role in avoiding cracking or breaks between the barrel and palm.

The presence of an inspection hole facilitates full insertion of the conductor. The barrel length has been designed to allow easy and accurate positioning of the dies during the crimping operation.

Lugs are electrolytically Tin plated to avoid oxidation.

The tongue is clearly marked with wire size and die index for Cembre tools.

UL listed for US and Canada per UL486A up to 35 KV.

C series lugs are an important part of Cembre crimping systems for power carrying conductors.

Details of the appropriate crimping tools and dies are shown on page 230.

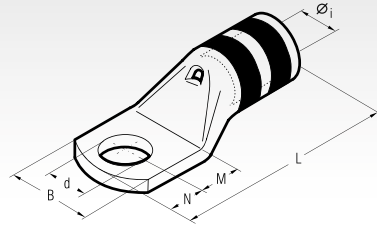
Cembre technicians are available to provide technical advice as required. Please consult Cembre for products not listed.

Conductor AWG	Ø Stud in.	Type	Dimensions in.						Colour Code	Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
			Øi	B	M	N	L	d				
8	23	# 8 C8-8	0.18	0.39	0.20	0.16	0.89	0.17	RED	600/50	TN70SEY	B15MA
		# 10 C8-10	0.18	0.39	0.26	0.24	1.02	0.21		600/50		
		1/4 C8-14	0.18	0.43	0.28	0.24	1.04	0.25		600/50		
		5/16 C8-516	0.18	0.59	0.35	0.31	1.20	0.33		600/50		
		3/8 C8-38	0.18	0.71	0.43	0.39	1.36	0.41		600/50		
		1/2 C8-12	0.18	0.75	0.55	0.47	1.56	0.52		600/50		
6	23	# 8 C6-8	0.23	0.45	0.20	0.16	1.00	0.17	BLUE	600/50	TN70SEY	B15MA
		# 10 C6-10	0.23	0.45	0.26	0.24	1.14	0.21		600/50		
		1/4 C6-14	0.23	0.45	0.28	0.24	1.16	0.25		600/50		
		5/16 C6-516	0.23	0.59	0.35	0.31	1.32	0.33		600/50		
		3/8 C6-38	0.23	0.71	0.43	0.39	1.48	0.41		600/50		
		1/2 C6-12	0.23	0.79	0.55	0.47	1.71	0.52		400/50		
4	40	# 8 C4-8	0.24	0.49	0.20	0.16	1.10	0.17	GREY	600/50	TN70SEY	B15MA
		# 10 C4-10	0.24	0.49	0.26	0.24	1.24	0.21		600/50		
		1/4 C4-14	0.24	0.49	0.28	0.24	1.26	0.25		600/50		
		5/16 C4-516	0.24	0.59	0.35	0.31	1.42	0.33		600/50		
		3/8 C4-38	0.24	0.71	0.43	0.39	1.57	0.41		400/50		
		1/2 C4-12	0.24	0.79	0.55	0.47	1.77	0.52		400/50		
3	50	# 8 C3-8	0.28	0.55	0.20	0.16	1.10	0.17	WHITE	600/50	TN70SEY	B15MA
		# 10 C3-10	0.28	0.55	0.26	0.24	1.24	0.21		600/50		
		1/4 C3-14	0.28	0.55	0.28	0.24	1.26	0.25		600/50		
		5/16 C3-516	0.28	0.59	0.35	0.31	1.42	0.33		600/50		
		3/8 C3-38	0.28	0.71	0.43	0.39	1.57	0.41		400/50		
		1/2 C3-12	0.28	0.83	0.55	0.47	1.77	0.52		400/50		
2	60	# 10 C2-10	0.30	0.67	0.26	0.24	1.30	0.21	BROWN	400/50	TN70SEY	B15MA
		1/4 C2-14	0.30	0.67	0.28	0.24	1.32	0.25		400/50		
		5/16 C2-516	0.30	0.67	0.35	0.31	1.48	0.33		400/50		
		3/8 C2-38	0.30	0.75	0.43	0.39	1.63	0.41		400/50		
		1/2 C2-12	0.30	0.83	0.55	0.47	1.83	0.52		200/50		
		1/4 C1-14	0.35	0.67	0.28	0.24	1.36	0.25		400/50		
1	75	5/16 C1-516	0.35	0.67	0.35	0.31	1.52	0.33	GREEN	400/50	TN70SEY	B15MA
		3/8 C1-38	0.35	0.75	0.43	0.39	1.67	0.41		200/50		
		1/2 C1-12	0.35	0.83	0.55	0.47	1.87	0.52		200/50		
		1/4 C1/0-14	0.39	0.75	0.31	0.28	1.59	0.25		200/25		
		5/16 C1/0-516	0.39	0.75	0.35	0.31	1.67	0.33		200/25		
		3/8 C1/0-38	0.39	0.79	0.43	0.39	1.83	0.41		200/25		
1/0	100	1/2 C1/0-12	0.39	0.83	0.55	0.47	2.03	0.52	PINK	200/25	TN70SEY	B15MA
		9/16 C1/0-916	0.39	0.98	0.63	0.55	2.19	0.59		200/25		
		5/8 C1/0-58	0.39	1.02	0.71	0.63	2.34	0.67		200/25		
		1/4 C2/0-14	0.44	0.83	0.31	0.28	1.73	0.25		200/25		
		5/16 C2/0-516	0.44	0.83	0.35	0.31	1.81	0.33		200/25		
		3/8 C2/0-38	0.44	0.83	0.43	0.39	1.97	0.41		200/25		
2/0	125	1/2 C2/0-12	0.44	0.87	0.55	0.47	2.17	0.52	BLACK	200/25	TN70SEY	B15MA
		9/16 C2/0-916	0.44	0.98	0.63	0.55	2.32	0.59		100/25		
		5/8 C2/0-58	0.44	1.02	0.71	0.63	2.48	0.67		100/25		
		3/4 C2/0-34	0.44	1.16	0.87	0.79	2.79	0.83		100/25		
		1/4 C3/0-14	0.49	0.91	0.31	0.28	1.77	0.25		200/25		
		5/16 C3/0-516	0.49	0.91	0.35	0.31	1.85	0.33		100/25		
3/0	150	3/8 C3/0-38	0.49	0.91	0.43	0.39	2.01	0.41	ORANGE	100/25	TN70SEY	B15MA
		1/2 C3/0-12	0.49	0.94	0.55	0.47	2.20	0.52		100/25		
		9/16 C3/0-916	0.49	1.06	0.63	0.55	2.36	0.59		100/25		
		5/8 C3/0-58	0.49	1.10	0.71	0.63	2.52	0.67		100/25		
		3/4 C3/0-34	0.49	1.24	0.87	0.79	2.83	0.83		100/25		

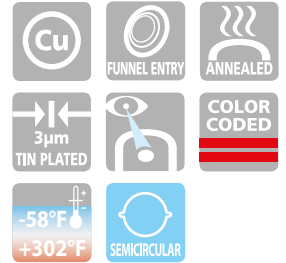
COLOUR CODED COPPER CRIMPING LUGS



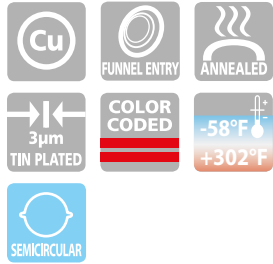
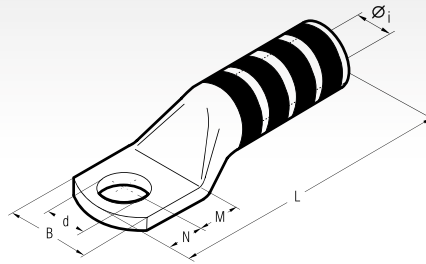
for Copper conductors



Sez. Cond. AWG	Ø Stud in.	Type	Dimensions in.						Colour Code	Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
			Øi	B	M	N	L	d				
4/0	200	1/4 C4/0-14	0.53	0.98	0.31	0.28	1.99	0.25	PURPLE	100/25	TM120SEY	HT51 RH50 B500A B550CA B1300L-CA and similar tools for U dies ECW-H3D RHU520
		5/16 C4/0-516	0.53	0.98	0.35	0.31	2.07	0.33				
		3/8 C4/0-38	0.53	0.98	0.43	0.39	2.22	0.41				
		1/2 C4/0-12	0.53	0.98	0.55	0.47	2.42	0.52				
		9/16 C4/0-916	0.53	0.98	0.63	0.55	2.58	0.59				
		5/8 C4/0-58	0.53	1.06	0.71	0.63	2.74	0.67				
250 MCM	250	3/4 C4/0-34	0.53	1.16	0.87	0.79	3.05	0.83	YELLOW	50/25	TM120SEY	HT51 RH50 B500A B550CA B1300L-CA and similar tools for U dies ECW-H3D RHU520
		1/4 C250-14	0.60	1.12	0.31	0.28	2.05	0.25				
		5/16 C250-516	0.60	1.12	0.35	0.31	2.13	0.33				
		3/8 C250-38	0.60	1.12	0.43	0.39	2.28	0.41				
		1/2 C250-12	0.60	1.12	0.55	0.47	2.48	0.52				
		9/16 C250-916	0.60	1.12	0.63	0.55	2.64	0.59				
300 MCM	300	5/8 C250-58	0.60	1.12	0.71	0.63	2.80	0.67	WHITE	40/10	TM120SEY	HT51 RH50 B500A B550CA B1300L-CA and similar tools for U dies ECW-H3D RHU520
		3/4 C250-34	0.60	1.18	0.87	0.79	3.11	0.83				
		7/8 C250-78	0.60	1.26	0.94	0.91	3.39	0.91				
		5/16 C300-516	0.66	1.24	0.51	0.43	2.72	0.33				
		3/8 C300-38	0.66	1.24	0.51	0.43	2.72	0.41				
		1/2 C300-12	0.66	1.24	0.63	0.55	2.95	0.52				
350 MCM	350	9/16 C300-916	0.66	1.24	0.71	0.63	3.11	0.59	RED	40/20	TM120SEY	HT51 RH50 B500A B550CA B1300L-CA and similar tools for U dies ECW-H3D RHU520
		5/8 C300-58	0.66	1.24	0.75	0.67	3.19	0.67				
		3/4 C300-34	0.66	1.24	0.87	0.79	3.43	0.83				
		7/8 C300-78	0.66	1.24	0.94	0.91	3.62	0.91				
		3/8 C350-38	0.69	1.30	0.51	0.43	2.78	0.41				
		1/2 C350-12	0.69	1.30	0.63	0.55	3.01	0.52				
400 MCM	400	9/16 C350-916	0.69	1.30	0.71	0.63	3.17	0.59	BLUE	40/20	TM120SEY	HT51 RH50 B500A B550CA B1300L-CA and similar tools for U dies ECW-H3D RHU520
		5/8 C350-58	0.69	1.30	0.75	0.67	3.25	0.67				
		3/4 C350-34	0.69	1.30	0.87	0.79	3.48	0.83				
		7/8 C350-78	0.69	1.46	0.94	0.91	3.68	0.91				
		3/8 C400-38	0.76	1.40	0.51	0.43	2.99	0.41				
		1/2 C400-12	0.76	1.40	0.63	0.55	3.23	0.52				
500 MCM	500	9/16 C400-916	0.76	1.40	0.71	0.63	3.39	0.59	BROWN	30/15	TM120SEY	HT51 RH50 B500A B550CA B1300L-CA and similar tools for U dies ECW-H3D RHU520
		5/8 C400-58	0.76	1.40	0.75	0.67	3.46	0.67				
		3/4 C400-34	0.76	1.40	0.87	0.79	3.70	0.83				
		7/8 C400-78	0.76	1.40	0.94	0.91	3.90	0.91				
		3/8 C500-38	0.83	1.54	0.51	0.43	3.23	0.41				
		1/2 C500-12	0.83	1.54	0.63	0.55	3.46	0.52				
600 MCM	600	9/16 C500-916	0.83	1.54	0.71	0.63	3.62	0.59	GREEN	20/10	TM120SEY	HT51 RH50 B500A B550CA B1300L-CA and similar tools for U dies ECW-H3D RHU520
		5/8 C500-58	0.83	1.54	0.75	0.67	3.70	0.67				
		3/4 C500-34	0.83	1.54	0.87	0.79	3.94	0.83				
		7/8 C500-78	0.83	1.54	0.94	0.91	4.13	0.91				
		1/2 C600-12	0.93	1.73	0.79	0.55	3.90	0.52				
		9/16 C600-916	0.93	1.73	0.87	0.63	4.06	0.59				
750 MCM	750	5/8 C600-58	0.93	1.73	0.87	0.75	4.17	0.67	BLACK	10/5	TM120SEY	HT51 RH50 B500A B550CA B1300L-CA and similar tools for U dies ECW-H3D RHU520
		3/4 C600-34	0.93	1.73	0.94	0.91	4.41	0.83				
		7/8 C600-78	0.93	1.73	0.94	0.91	4.41	0.91				
		1/2 C750-12	1.02	1.89	0.87	0.75	4.45	0.52				
		5/8 C750-58	1.02	1.89	0.87	0.75	4.45	0.67				
		3/4 C750-34	1.02	1.89	0.94	0.91	4.69	0.83				
7/8 C750-78	1.02	1.89	0.94	0.91	4.69	0.91						



one hole long barrel - for Copper conductors



CL series lugs are manufactured from electrolytic Copper tube with a purity greater than 99.9%, for use in heavy duty applications.

The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

Cembre lugs are annealed to guarantee optimum ductility which is an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.

In applications subject to vibration, terminals have to perform a reliable connection, the annealing process plays a vital role in avoiding cracking or breaks between the barrel and palm.

The long barrel provides better mechanical pull-out strength.

Lugs are electrolytically Tin plated to avoid oxidation.

The tongue is clearly marked with wire size and die index for Cembre tools.

UL listed for US and Canada per UL486A up to 35 KV.

CL series lugs are an important part of Cembre crimping systems for power carrying conductors.

Details of the appropriate crimping tools and dies are shown on page 230.

Cembre technicians are available to provide technical advice as required. Please consult Cembre for products not listed.

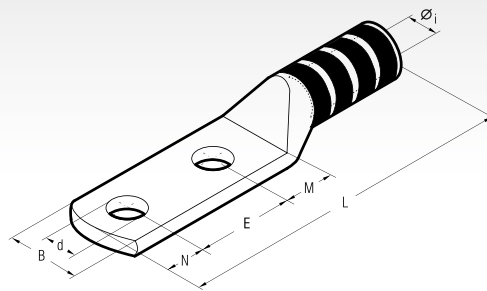
Conductor AWG	Ø Stud in.	Type	Dimensions in.						Colour Code	Quantity Box/Bag	Mechanical Tools	Hydraulic Tools										
			Øi	B	M	N	L	d														
8	23	# 10 CL8-10	0.18	0.39	0.25	0.23	1.47	0.20	RED	400/50	TN70SEY	B15MA										
		1/4 CL8-14	0.18	0.43	0.27	0.23	1.49	0.25		400/50												
		3/8 CL8-38	0.18	0.70	0.43	0.39	1.81	0.41		400/50												
6	30	# 10 CL6-10	0.22	0.45	0.25	0.23	1.57	0.20	BLUE	400/50			TN120SEY	B15MA								
		1/4 CL6-14	0.22	0.45	0.27	0.23	1.59	0.25		400/50												
		1/2 CL6-12	0.22	0.78	0.55	0.47	2.10	0.51		400/50												
4	40	# 10 CL4-10	0.24	0.49	0.25	0.23	1.85	0.20	GREY	400/50					TN70SEY	B15MA						
		1/4 CL4-14	0.24	0.49	0.27	0.23	1.87	0.25		400/50												
		3/8 CL4-38	0.24	0.70	0.43	0.39	2.18	0.41		400/50												
3	50	1/2 CL4-12	0.24	0.78	0.55	0.47	2.38	0.51	WHITE	400/50							TN120SEY	B15MA				
		1/4 CL3-14	0.27	0.55	0.27	0.23	1.87	0.25		200/100												
		5/16 CL3-516	0.27	0.59	0.35	0.31	2.02	0.33		200/100												
2	60	3/8 CL3-38	0.27	0.70	0.43	0.39	2.18	0.41	BROWN	200/100	TN70SEY	B15MA										
		1/2 CL3-12	0.27	0.82	0.55	0.47	2.38	0.51		200/100												
		# 10 CL2-10	0.29	0.66	0.25	0.23	1.81	0.20		200/50												
1	75	1/4 CL2-14	0.29	0.66	0.27	0.23	1.83	0.25	GREEN	200/50			TN120SEY	B15MA								
		5/16 CL2-516	0.29	0.66	0.35	0.31	1.98	0.33		200/50												
		1/2 CL2-12	0.29	0.82	0.55	0.47	2.34	0.51		200/50												
1/0	100	# 10 CL1-10	0.35	0.66	0.25	0.23	1.88	0.20	PINK	200/50					TN70SEY	B15MA						
		5/16 CL1-516	0.35	0.66	0.35	0.31	2.06	0.33		200/50												
		1/2 CL1-12	0.35	0.82	0.55	0.47	2.42	0.51		200/50												
2/0	125	# 10 CL1-0-10	0.39	0.74	0.31	0.27	2.10	0.20	BLACK	100/50							TN120SEY	B15MA				
		5/16 CL1-0-516	0.39	0.74	0.35	0.31	2.18	0.33		100/50												
		3/8 CL1-0-38	0.39	0.78	0.43	0.39	2.34	0.41		100/50												
3/0	150	1/2 CL1-0-12	0.39	0.82	0.55	0.47	2.53	0.51	ORANGE	100/50	TN70SEY	B15MA										
		3/8 CL2-0-38	0.44	0.82	0.43	0.39	2.65	0.41		100/50												
		1/2 CL2-0-12	0.44	0.86	0.55	0.47	2.85	0.51		100/50												
4/0	200	1/2 CL3-0-12	0.48	0.94	0.55	0.47	2.81	0.51	PURPLE	100/50			TN120SEY	B15MA								
		3/8 CL4-0-38	0.53	0.98	0.43	0.39	2.89	0.41		60/30												
250 MCM	250	1/2 CL4-0-12	0.53	0.98	0.55	0.47	3.09	0.51	YELLOW	60/30									TN70SEY	B15MA		
		1/2 CL250-12	0.59	1.12	0.55	0.47	3.30	0.51		50/25												
300 MCM	300	1/2 CL300-12	0.65	1.24	0.62	0.55	3.85	0.51	WHITE	30/15					TN120SEY	B15MA						
		1/2 CL350-12	0.69	1.29	0.62	0.55	3.85	0.51		30/15												
400 MCM	400	1/2 CL400-12	0.75	1.39	0.62	0.55	4.21	0.51	BLUE	20/10							TN70SEY	B15MA				
		5/8 CL400-58	0.75	1.39	0.74	0.66	4.44	0.66		20/10												
500 MCM	500	1/2 CL500-12	0.83	1.53	0.62	0.55	4.25	0.51	BROWN	20/10											TN120SEY	B15MA
		5/8 CL500-58	0.83	1.53	0.74	0.66	4.48	0.66		20/10												
600 MCM	600	1/2 CL600-12	0.93	1.73	0.78	0.55	5.05	0.51	GREEN	10/5	TN70SEY	B15MA										
		5/8 CL600-58	0.93	1.73	0.86	0.74	5.33	0.66		10/5												
750 MCM	750	1/2 CL750-12	1.02	1.88	0.86	0.74	5.53	0.51	BLACK	10/5			TN120SEY	B15MA								
		5/8 CL750-58	1.02	1.88	0.86	0.74	5.53	0.66		10/5												

Also available with inspection hole.
In case of order, add suffix IH to the part number.
E.g.: CL250IH-12

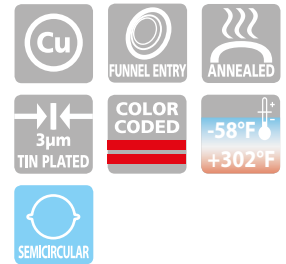
COLOUR CODED COPPER CRIMPING LUGS

CL-D

double hole long barrel - for Copper conductors



Conductor AWG	Navy	Ø Stud in.	Type	Dimensions in.							Colour Code	Quantity Box/Bag	Mechanical Tools	Hydraulic Tools																		
				Øi	B	M	E	N	L	d																						
8	23	1/4	CL8-D14	0.18	0.43	0.28	5/8"	0.24	2.09	0.25	RED	400/50	B15MA																			
		1/4	CL8-D141	0.18	0.43	0.28	3/4"	0.24	2.20	0.25	RED	400/50																				
		3/8	CL8-D38	0.18	0.71	0.43	1"	0.39	2.78	0.41	RED	400/50																				
6	40	1/4	CL6-D14	0.23	0.45	0.28	5/8"	0.24	2.15	0.25	BLUE	400/50			TN70SEY																	
		1/4	CL6-D141	0.23	0.45	0.28	3/4"	0.24	2.26	0.25	BLUE	400/50																				
		3/8	CL6-D38	0.23	0.71	0.43	1"	0.39	2.83	0.41	BLUE	400/50																				
4	50	1/2	CL6-DN	0.23	0.79	0.55	1 3/4"	0.47	3.78	0.52	BLUE	400/50					TN120SEY															
		1/4	CL4-D14	0.24	0.49	0.28	5/8"	0.24	2.44	0.25	GREY	200/50																				
		1/4	CL4-D141	0.24	0.49	0.28	3/4"	0.24	2.56	0.25	GREY	200/50																				
3	60	3/8	CL4-D38	0.24	0.71	0.43	1"	0.39	3.13	0.41	GREY	200/50							TN120SEY													
		1/2	CL4-DN	0.24	0.79	0.55	1 3/4"	0.47	4.07	0.52	GREY	200/50																				
		3/8	CL3-D38	0.28	0.71	0.43	1"	0.39	3.13	0.41	WHITE	200/50																				
2	75	1/2	CL3-DN	0.28	0.83	0.55	1 3/4"	0.47	4.07	0.52	WHITE	200/50									TN70SEY											
		1/4	CL2-D14	0.30	0.67	0.28	5/8"	0.24	2.40	0.25	BROWN	200/50																				
		1/4	CL2-D141	0.30	0.67	0.28	3/4"	0.24	2.52	0.25	BROWN	200/50																				
1	100	3/8	CL2-D38	0.30	0.75	0.43	1"	0.39	3.09	0.41	BROWN	100/50											TN70SEY									
		3/8	CL2-DN38	0.30	0.75	0.43	1 3/4"	0.39	3.84	0.41	BROWN	100/50																				
		1/2	CL2-DN	0.30	0.83	0.55	1 3/4"	0.47	4.04	0.52	BROWN	100/50																				
1/0	125	1/4	CL1-D14	0.35	0.67	0.28	5/8"	0.24	2.48	0.25	GREEN	200/50													TN70SEY							
		1/4	CL1-D141	0.35	0.67	0.28	3/4"	0.24	2.60	0.25	GREEN	200/50																				
		3/8	CL1-D38	0.35	0.75	0.43	1"	0.39	3.17	0.41	GREEN	100/25																				
2/0	150	1/2	CL1-DN	0.35	0.83	0.55	1 3/4"	0.47	4.11	0.52	GREEN	100/25															TN70SEY					
		1/4	CL1/0-D14	0.39	0.75	0.31	5/8"	0.28	2.68	0.25	PINK	100/25																				
		1/4	CL1/0-D141	0.39	0.75	0.31	3/4"	0.28	2.80	0.25	PINK	100/25																				
3/0	200	3/8	CL1/0-D38	0.39	0.79	0.43	1"	0.39	3.29	0.41	PINK	100/25																	TN70SEY			
		1/2	CL1/0-DN	0.39	0.83	0.55	1 3/4"	0.47	4.23	0.52	PINK	100/25																				
		1/4	CL2/0-D14	0.44	0.83	0.31	5/8"	0.28	2.99	0.25	BLACK	60/30																				
4/0	250	1/4	CL2/0-D141	0.44	0.83	0.31	3/4"	0.28	3.11	0.25	BLACK	60/30																			TN70SEY	
		3/8	CL2/0-D38	0.44	0.83	0.43	1"	0.39	3.60	0.41	BLACK	60/30																				
		1/2	CL2/0-DN	0.44	0.87	0.55	1 3/4"	0.47	4.55	0.52	BLACK	60/30																				
250 MCM	300	1/4	CL3/0-D141	0.49	0.91	0.31	3/4"	0.28	3.23	0.25	ORANGE	60/30	TN70SEY																			
		3/8	CL3/0-D38	0.49	0.91	0.43	1"	0.39	3.72	0.41	ORANGE	60/30																				
		1/2	CL3/0-DN	0.49	0.94	0.55	1 3/4"	0.47	4.67	0.52	ORANGE	60/30																				
300 MCM	350	1/4	CL4/0-D141	0.53	0.98	0.51	3/4"	0.43	3.70	0.25	PURPLE	50/25			TN70SEY																	
		3/8	CL4/0-D38	0.53	0.98	0.43	1"	0.39	3.84	0.41	PURPLE	50/25																				
		3/8	CL4/0-DN38	0.53	0.98	0.43	1 3/4"	0.39	4.59	0.41	PURPLE	50/25																				
350 MCM	400	1/2	CL4/0-DN	0.53	0.98	0.55	1 3/4"	0.47	4.78	0.52	PURPLE	50/25					TN70SEY															
		3/8	CL250-D38	0.60	1.12	0.43	1"	0.39	4.06	0.41	YELLOW	40/20																				
		1/2	CL250-DN	0.60	1.12	0.55	1 3/4"	0.47	5.00	0.52	YELLOW	40/20																				
400 MCM	500	3/8	CL300-D38	0.66	1.24	0.51	1"	0.43	4.57	0.41	WHITE	30/15							TN70SEY													
		1/2	CL300-DN	0.66	1.24	0.55	1 3/4"	0.55	5.55	0.52	WHITE	30/15																				
		1/4	CL350-D141	0.69	1.30	0.51	3/4"	0.43	4.31	0.25	RED	30/15																				
500 MCM	600	3/8	CL350-D38	0.69	1.30	0.51	1"	0.43	4.57	0.41	RED	30/15									TN70SEY											
		1/2	CL350-DN	0.69	1.30	0.55	1 3/4"	0.55	5.55	0.52	RED	30/15																				
		1/4	CL400-D141	0.76	1.40	0.51	3/4"	0.43	4.67	0.25	BLUE	20/10																				
600 MCM	750	3/8	CL400-D38	0.76	1.40	0.51	1"	0.43	4.92	0.41	BLUE	20/10											TN70SEY									
		1/2	CL400-DN	0.76	1.40	0.55	1 3/4"	0.55	5.91	0.52	BLUE	20/10																				
		1/4	CL500-D141	0.83	1.54	0.51	3/4"	0.43	4.70	0.25	BROWN	20/10																				
750 MCM	MCM	3/8	CL500-D38	0.83	1.54	0.51	1"	0.43	4.96	0.41	BROWN	10/5													TN70SEY							
		1/2	CL500-DN	0.83	1.54	0.55	1 3/4"	0.55	5.94	0.52	BROWN	10/5																				
		3/8	CL600-D38	0.93	1.73	0.79	1"	0.43	5.89	0.41	GREEN	20/5																				
MCM	MCM	1/2	CL600-DN	0.93	1.73	0.79	1 3/4"	0.55	6.75	0.52	GREEN	20/5															TN70SEY					
		3/8	CL750-DN38	1.02	1.89	0.79	1 3/4"	0.43	6.83	0.41	BLACK	15/5																				
		3/8	CL750-D38	1.02	1.89	0.79	1"	0.43	6.08	0.41	BLACK	15/5																				
MCM	MCM	1/2	CL750-DN	1.02	1.89	0.79	1 3/4"	0.55	6.95	0.52	BLACK	15/5																	TN70SEY			



CL series lugs are manufactured from electrolytic Copper tube with a purity greater than 99.9%.

The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

Cembre lugs are annealed to guarantee optimum ductility, an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.

In applications subject to vibration, terminals have to perform a reliable connection, the annealing process plays a vital role in avoiding cracking or breaks between the barrel and palm.

The barrel length has been designed to allow easy and accurate positioning of the dies during the crimping operation.

Lugs are electrolytically Tin plated to avoid oxidation.

The tongue is clearly marked with wire size and die index for Cembre tools.

UL listed for US and Canada per UL486A up to 35 KV.

CL series lugs are an important part of Cembre crimping systems for power carrying conductors.

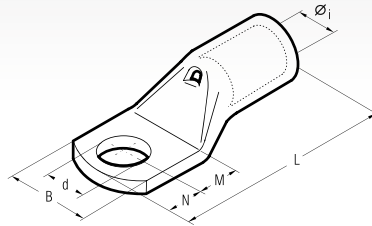
Details of the appropriate crimping tools and dies are shown on page 230.

Cembre technicians are available to provide technical advice as required. Please consult Cembre for products not listed.

A-M

COPPER TUBE CRIMPING LUGS

for Copper conductors



A-M series lugs are manufactured from electrolytic Copper tube with a purity greater than 99.9%. The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

Cembre lugs are annealed to guarantee optimum ductility which is an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.

In applications subject to vibration, lugs still have to provide a reliable connection and annealing plays a vital role in avoiding cracking or breaks between the barrel and palm.

The presence of an inspection hole facilitates full insertion of the conductor, whilst the barrel length has been designed to allow easy and accurate positioning of the dies during the crimping operation.

Lugs are electrolytically Tin plated to avoid oxidation. A-M series lugs form an important part of Cembre crimping systems for power carrying conductors, details of the appropriate crimping tools and dies are shown opposite and in detail on pages 232 to 233.

Our technicians are always available to provide any technical advice which may be required.

The enclosed table is only indicative of the range and many variations in stud fixing and palm lengths are also available.

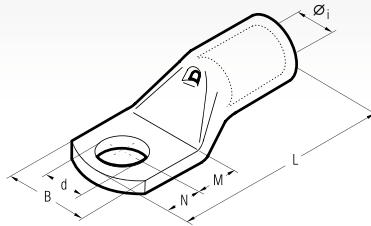
Conductor Size AWG	Ø Stud in.	Type	Dimensions in.							Quantity Box/Bag	Mechanical Tools		Hydraulic Tools	
			Øi	B	M	N	L	d						
22÷16	#4	A03-M3*	0.07	0.24	0.18	0.14	0.63	0.13	5,000/100					
	#6	A03-M3.5*	0.07	0.26	0.18	0.14	0.63	0.15	5,000/100					
	#8	A03-M4*	0.07	0.26	0.20	0.16	0.67	0.17	5,000/100					
	#10	A03-M5*	0.07	0.30	0.22	0.18	0.71	0.21	5,000/100					
	1/4"	A03-M6*	0.07	0.35	0.24	0.20	0.75	0.25	5,000/100					
16÷14	#4	A06-M3*	0.09	0.24	0.18	0.14	0.67	0.13	4,000/100					
	#6	A06-M3.5*	0.09	0.26	0.18	0.14	0.67	0.15	4,000/100					
	#8	A06-M4*	0.09	0.30	0.20	0.16	0.71	0.17	4,000/100					
	#10	A06-M5*	0.09	0.33	0.22	0.18	0.75	0.21	4,000/100					
	1/4"	A06-M6*	0.09	0.35	0.24	0.20	0.79	0.25	4,000/100					
12÷10	5/16"	A06-M8*	0.09	0.47	0.35	0.31	1.02	0.33	2,500/100					
	#4	A1-M3	0.14	0.30	0.18	0.14	0.81	0.13	2,000/100					
	#6	A1-M3.5	0.14	0.30	0.18	0.14	0.81	0.15	2,000/100					
	#8	A1-M4	0.14	0.31	0.20	0.16	0.85	0.17	2,000/100					
	#10	A1-M5	0.14	0.35	0.26	0.24	0.98	0.21	2,000/100					
8	1/4"	A1-M6	0.14	0.43	0.28	0.24	1.00	0.25	2,000/100					
	5/16"	A1-M8	0.14	0.55	0.35	0.31	1.16	0.33	1,500/100					
	3/8"	A1-M10	0.14	0.65	0.43	0.39	1.32	0.41	1,000/100					
	#8	A2-M4	0.18	0.39	0.20	0.16	0.89	0.17	1,500/100					
	#10	A2-M5	0.18	0.39	0.26	0.24	1.02	0.21	1,000/100					
6	1/4"	A2-M6	0.18	0.43	0.28	0.24	1.04	0.25	1,000/100					
	5/16"	A2-M8	0.18	0.59	0.35	0.31	1.20	0.33	1,000/100					
	3/8"	A2-M10	0.18	0.71	0.43	0.39	1.36	0.41	500/100					
	1/2"	A2-M12	0.18	0.75	0.55	0.47	1.56	0.52	500/100					
	#8	A3-M4	0.23	0.45	0.20	0.16	1.00	0.17	1,000/100					
4	#10	A3-M5	0.23	0.45	0.26	0.24	1.14	0.21	1,000/100					
	1/4"	A3-M6	0.23	0.45	0.28	0.24	1.16	0.25	1,000/100					
	5/16"	A3-M8	0.23	0.59	0.35	0.31	1.32	0.33	500/100					
	3/8"	A3-M10	0.23	0.71	0.43	0.39	1.48	0.41	500/100					
	1/2"	A3-M12	0.23	0.79	0.55	0.47	1.73	0.52	500/100					
2	#8	A5-M4	0.28	0.55	0.20	0.16	1.10	0.17	1,000/100					
	#10	A5-M5	0.28	0.55	0.26	0.24	1.24	0.21	500/100					
	1/4"	A5-M6	0.28	0.55	0.28	0.24	1.26	0.25	500/100					
	5/16"	A5-M8	0.28	0.59	0.35	0.31	1.42	0.33	500/100					
	3/8"	A5-M10	0.28	0.71	0.43	0.39	1.57	0.41	500/100					
2-1/0	1/2"	A5-M12	0.28	0.83	0.55	0.47	1.77	0.52	400/100					
	#10	A7-M5	0.35	0.67	0.26	0.24	1.34	0.21	400/100					
	1/4"	A7-M6	0.35	0.67	0.28	0.24	1.36	0.25	400/100					
	5/16"	A7-M8	0.35	0.67	0.35	0.31	1.52	0.33	400/100					
	3/8"	A7-M10	0.35	0.75	0.43	0.39	1.67	0.41	300/100					
1/0	1/2"	A7-M12	0.35	0.83	0.55	0.47	1.87	0.52	200/50					
	1/4"	A10-M6	0.39	0.75	0.31	0.28	1.52	0.25	200/50					
	5/16"	A10-M8	0.39	0.75	0.35	0.31	1.59	0.33	200/50					
	3/8"	A10-M10	0.39	0.79	0.45	0.37	1.75	0.41	200/50					
	1/2"	A10-M12	0.39	0.83	0.47	0.47	1.87	0.52	200/50					
2/0	9/16"	A10-M14	0.39	0.98	0.63	0.55	2.18	0.59	200/50					
	5/8"	A10-M16	0.39	1.02	0.71	0.63	2.34	0.67	100/50					
	1/4"	A14-M6	0.44	0.83	0.31	0.28	1.73	0.25	200/50					
	5/16"	A14-M8	0.44	0.83	0.35	0.31	1.81	0.33	200/50					
	3/8"	A14-M10	0.44	0.83	0.43	0.39	1.97	0.41	200/50					
2/0	1/2"	A14-M12	0.44	0.87	0.55	0.47	2.17	0.52	150/50					
	9/16"	A14-M14	0.44	0.98	0.63	0.55	2.32	0.59	100/50					
	5/8"	A14-M16	0.44	1.02	0.71	0.63	2.48	0.67	100/50					

*Not UL approved

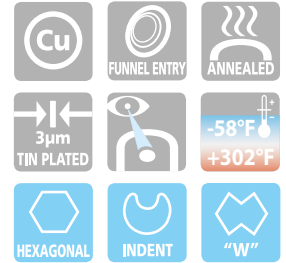
COPPER TUBE CRIMPING LUGS

A-M

for Copper conductors

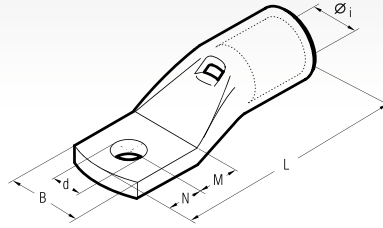


Conductor Size AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools					
			Øi	B	M	N	L	d								
2/0 3/0	1/4"	A19-M6	0.53	0.98	0.31	0.28	1.99	0.25	100/25	TNI 20SEY	HT45-E B450ND-BVA					
	5/16"	A19-M8	0.53	0.98	0.35	0.31	2.07	0.33	100/25							
	3/8"	A19-M10	0.53	0.98	0.43	0.39	2.22	0.41	100/25							
	1/2"	A19-M12	0.53	0.98	0.55	0.47	2.42	0.52	100/25							
	9/16"	A19-M14	0.53	0.98	0.63	0.55	2.58	0.59	100/25							
	5/8"	A19-M16	0.53	1.06	0.71	0.63	2.74	0.67	50/25							
3/0 250	3/4"	A19-M20	0.53	1.16	0.87	0.79	3.05	0.83	50/25			HT51 B550CA	RH50 B500A			
	5/16"	A24-M8	0.60	1.12	0.35	0.31	2.13	0.33	75/25							
	3/8"	A24-M10	0.60	1.12	0.43	0.39	2.28	0.41	75/25							
	1/2"	A24-M12	0.60	1.12	0.55	0.47	2.48	0.52	75/25							
	9/16"	A24-M14	0.60	1.12	0.63	0.55	2.64	0.59	50/25							
	5/8"	A24-M16	0.60	1.12	0.71	0.63	2.80	0.67	50/25							
250 300 MCM	3/4"	A24-M20	0.60	1.18	0.87	0.79	3.11	0.83	50/25					HT81-U RHU81	B1300L-CA and similar tools for U dies	
	5/16"	A30-M8	0.66	1.24	0.51	0.43	2.72	0.33	50/25							
	3/8"	A30-M10	0.66	1.24	0.51	0.43	2.72	0.41	50/25							
	1/2"	A30-M12	0.66	1.24	0.63	0.55	2.95	0.52	50/25							
	9/16"	A30-M14	0.66	1.24	0.71	0.63	3.11	0.59	50/25							
	5/8"	A30-M16	0.66	1.24	0.75	0.67	3.19	0.67	50/25							
300 350 MCM	3/4"	A30-M20	0.66	1.24	0.87	0.79	3.43	0.83	50/25			ECW-H3D	RHU520			
	5/16"	A37-M8	0.76	1.40	0.51	0.43	2.99	0.33	50/25							
	3/8"	A37-M10	0.76	1.40	0.51	0.43	2.99	0.41	40/20							
	1/2"	A37-M12	0.76	1.40	0.63	0.55	3.23	0.52	30/15							
	9/16"	A37-M14	0.76	1.40	0.71	0.63	3.39	0.59	30/15							
	5/8"	A37-M16	0.76	1.40	0.75	0.67	3.46	0.67	30/15							
350 500 MCM	3/4"	A37-M20	0.76	1.40	0.87	0.79	3.70	0.83	30/15	B1300L-CA and similar tools for U dies						
	5/16"	A48-M8	0.83	1.54	0.51	0.43	3.05	0.33	20/10							
	3/8"	A48-M10	0.83	1.54	0.51	0.43	3.05	0.41	20/10							
	1/2"	A48-M12	0.83	1.54	0.55	0.47	3.13	0.52	20/10							
	9/16"	A48-M14	0.83	1.54	0.71	0.63	3.62	0.59	20/10							
	5/8"	A48-M16	0.83	1.54	0.75	0.67	3.70	0.67	20/10							
500 600 MCM	3/4"	A48-M20	0.83	1.54	0.87	0.79	3.94	0.83	20/10		ECW-H3D					
	3/8"	A60-M10	0.93	1.73	0.79	0.43	3.78	0.41	20/10							
	1/2"	A60-M12	0.93	1.73	0.79	0.55	3.90	0.52	20/10							
	9/16"	A60-M14	0.93	1.73	0.87	0.63	4.06	0.59	20/10							
	5/8"	A60-M16	0.93	1.73	0.87	0.75	4.17	0.67	20/10							
	3/4"	A60-M20	0.93	1.73	0.94	0.91	4.41	0.83	20/10							
800 MCM	1/2"	A80-M12	1.06	2.01	0.87	0.75	4.45	0.52	15/5					ECW-H3D		
	9/16"	A80-M14	1.06	2.01	0.87	0.75	4.45	0.59	15/5							
	5/8"	A80-M16	1.06	2.01	0.87	0.75	4.45	0.67	15/5							
	3/4"	A80-M20	1.06	2.01	0.94	0.91	4.68	0.83	15/5							
1000 MCM	5/8"	A100-M16	1.19	2.22	0.87	0.75	4.61	0.67	10/1						ECW-H3D	
	3/4"	A100-M20	1.19	2.22	0.94	0.91	4.84	0.83	15/1							
1250 MCM	5/8"	A120-M16*	1.31	2.43	0.87	0.75	5.04	0.67	9/1			ECW-H3D				
	3/4"	A120-M20*	1.31	2.43	0.94	0.91	5.28	0.83	10/1							
1500 MCM	5/8"	A160-M16*	1.50	2.83	0.94	0.75	5.55	0.67	6/1				ECW-H3D			
	3/4"	A160-M20*	1.50	2.83	0.94	0.91	5.71	0.83	6/1							
2000 MCM	5/8"	A200-M16*	1.73	3.15	0.94	0.75	6.22	0.67	5/1							ECW-H3D
	3/4"	A200-M20*	1.73	3.15	0.94	0.91	6.38	0.83	5/1							



*Not UL approved

for L.V. circuit breakers - for Copper conductors



This range of terminals features contained palm width and has been specifically developed for application on L.V. circuit breakers with reduced space terminal blocks.

The contained palm width allows an immediate and easier installation.

Cembre terminals are manufactured from electrolytic Copper tube with a purity greater than 99.9%.

The specifically designed section of the barrel and the choice of principal dimensions are optimising the best combination of mechanical strength and electrical conductivity.

These terminals are annealed to guarantee optimum ductility and are electrolytically Tin plated to avoid oxidation.

Cond. Size Flexible AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools						
			Øi	B	M	N	L	d									
8	#10	A2-M5/9	0.18	0.35	0.26	0.24	1.02	0.21	1,000/100	HN5	HN-A25	B15MA	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500NDA	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D
6	#10	A3-M5/9	0.23	0.35	0.26	0.24	1.14	0.21	1,000/100								
4	#10	A5-M5/9	0.28	0.35	0.26	0.24	1.24	0.21	500/100	TN70SEY	TN120SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500NDA	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D	
2	1/4"	A7B-M6/11.5*	0.35	0.45	0.31	0.28	1.44	0.25	400/100								
2-1/0	1/4"	A10B-M6/11.5*	0.39	0.45	0.31	0.28	1.59	0.25	200/50	TN120SEY	TN120SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500NDA	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D	
1/0-2/0	1/4"	A14B-M6/11.5*	0.44	0.45	0.31	0.28	1.73	0.25	200/50								
2/0-3/0	5/16"	A19B-M8/15.5*	0.53	0.61	0.35	0.31	2.07	0.33	100/25	TN120SEY	TN120SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500NDA	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D	
3/0-250	5/16"	A24B-M8/19*	0.60	0.75	0.55	0.35	2.36	0.33	75/25								
250-300 MCM	3/8"	A24B-M10/19*	0.60	0.75	0.55	0.35	2.36	0.41	75/25	TN120SEY	TN120SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500NDA	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D	
	5/16"	A30B-M8/19*	0.66	0.75	0.71	0.35	2.76	0.33	50/25								
300-350 MCM	3/8"	A30B-M10/19*	0.66	0.75	0.71	0.35	2.76	0.41	50/25	TN120SEY	TN120SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500NDA	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D	
	3/8"	A37B-M10/24.5*	0.76	0.96	0.71	0.35	3.03	0.41	30/15								
350-500 MCM	3/8"	A48-M10/31	0.83	1.22	0.51	0.35	3.15	0.41	20/10	TN120SEY	TN120SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500NDA	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D	
	1/2"	A48-M12/31	0.83	1.22	0.63	0.47	3.39	0.52	30/15								
500-600 MCM	5/8"	A48-M16/31	0.83	1.22	0.75	0.67	3.70	0.67	20/10	TN120SEY	TN120SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500NDA	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D	
	3/8"	A60B-M10/31	0.93	1.22	0.63	0.47	3.74	0.41	20/10								
1/2"	A60B-M12/31	0.93	1.22	0.63	0.47	3.74	0.52	20/10	TN120SEY	TN120SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500NDA	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D		

*Without inspection hole

The barrel is provided with an internal taper to ease the introduction of the conductor; furthermore, its length grants a comfortable and correct positioning between dies, during crimping operations.

Each palm is marked with the Cembre logo and part number.

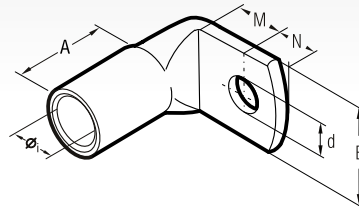
Details of the appropriate crimping tools and dies are shown on pages 232 to 233.



COPPER TUBE CRIMPING LUGS ANGLED 90°

for Copper conductors

A-L



Conductor Size AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools		Hydraulic Tools	
			Øi	B	M	N	A	d					
12÷10	1/4"	A1-L6*	0.14	0.43	0.28	0.24	0.37	0.25	2,000/100	HN1			
	#10	A2-L5	0.18	0.39	0.26	0.24	0.41	0.21	1,500/100				
8	1/4"	A2-L6	0.18	0.43	0.28	0.24	0.41	0.25	1,000/100	HN5			
	5/16"	A2-L8	0.18	0.59	0.35	0.31	0.41	0.33	500/100				
6	#10	A3-L5	0.23	0.45	0.26	0.24	0.45	0.21	1,000/100	HN-A25		B15MA	
	1/4"	A3-L6	0.23	0.45	0.28	0.24	0.45	0.25	1,000/100				
	5/16"	A3-L8	0.23	0.59	0.35	0.31	0.45	0.33	1,000/100				
4	3/8"	A3-L10	0.23	0.71	0.43	0.39	0.45	0.41	500/100	TN70SEY			
	1/4"	A5-L6	0.28	0.55	0.28	0.24	0.51	0.25	500/100				
	5/16"	A5-L8	0.28	0.59	0.35	0.31	0.51	0.33	500/100				
2	3/8"	A5-L10	0.28	0.71	0.43	0.39	0.51	0.41	500/100	TN120SEY		HT45-E B450ND-BVA	
	1/4"	A7-L6	0.35	0.67	0.28	0.24	0.61	0.25	500/100				
	5/16"	A7-L8	0.35	0.67	0.35	0.31	0.61	0.33	300/100				
2-1/0	3/8"	A7-L10	0.35	0.75	0.43	0.39	0.61	0.41	400/100			HT51 B550CA	
	1/2"	A7-L12	0.35	0.83	0.55	0.47	0.61	0.52	300/100				
	1/4"	A10-L6	0.39	0.75	0.31	0.28	0.65	0.25	300/100				
1/0	5/16"	A10-L8	0.39	0.75	0.35	0.31	0.65	0.33	300/100			HT51 B550CA	
	3/8"	A10-L10	0.39	0.79	0.45	0.37	0.65	0.41	200/50				
	1/2"	A10-L12	0.39	0.83	0.47	0.47	0.65	0.52	200/50				
2/0	5/8"	A14-L16	0.44	1.02	0.71	0.63	0.79	0.67	150/50			RH50 B500A B500NDA	
	1/2"	A14-L8	0.44	0.83	0.35	0.31	0.79	0.33	200/50				
	2/0	A14-L10	0.44	0.83	0.43	0.39	0.79	0.41	100/50				
3/0	1/2"	A14-L12	0.44	0.87	0.55	0.47	0.79	0.52	100/50			RH50 B500A B500NDA	
	3/0	A19-L8	0.53	0.98	0.35	0.31	0.96	0.33	100/25				
	3/0	A19-L10	0.53	0.98	0.43	0.39	0.96	0.41	100/25				
250-300 MCM	1/2"	A19-L12	0.53	0.98	0.55	0.47	0.96	0.52	100/25			HT81-U RHU81	
	250	A24-L10	0.60	1.12	0.43	0.39	1.00	0.41	50/25				
	250	A24-L12	0.60	1.12	0.56	0.47	1.00	0.52	50/25				
300-350 MCM	3/8"	A30-L10	0.66	1.24	0.51	0.43	1.12	0.41	50/25			HT1300L-CA and similar tools for U dies	
	300	A37-L10	0.76	1.40	0.51	0.43	1.24	0.41	30/15				
	300	A37-L12	0.76	1.40	0.63	0.55	1.24	0.52	50/25				
350-500 MCM	1/2"	A48-L10	0.83	1.54	0.51	0.43	1.30	0.41	30/15			ECW-H3D	
	350	A48-L12	0.83	1.54	0.63	0.55	1.30	0.52	30/15				
	350	A48-L12	0.83	1.54	0.63	0.55	1.30	0.52	30/15				
500-600 MCM	1/2"	A60-L12	0.93	1.73	0.79	0.55	1.65	0.52	20/10			RHU520	

*Not UL approved



A-L series lugs angled 90° are manufactured from electrolytic Copper tube with a purity greater than 99.9%.

The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

Cembre lugs are annealed to guarantee optimum ductility which is an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.

In applications subject to vibration, terminals still have to perform a reliable connection, annealing plays a vital role in avoiding cracking or breaks between the barrel and palm.

The presence of an inspection hole facilitates full insertion of the conductor, whilst the barrel length has been designed to allow easy and accurate positioning of the dies during the crimping operation.

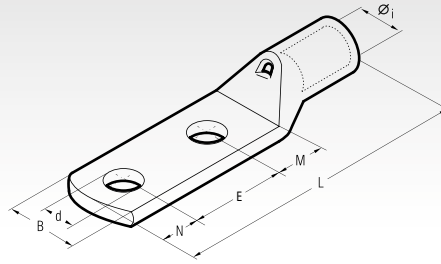
Lugs are electrolytically Tin plated to avoid oxidation.

Details of the appropriate crimping tools and dies are shown on pages 232 to 233.

A-2M

DOUBLE HOLE COPPER TUBE CRIMPING LUGS

for Copper conductors



A-2M series lugs are manufactured from electrolytic copper tube with a purity greater than 99.9%. The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

Cembre lugs are annealed to guarantee optimum ductility, an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.

In applications subject to vibration, terminals still have to perform a reliable connection, annealing plays a vital role in avoiding cracking or breaks between the barrel and palm. The presence of an inspection hole facilitates full insertion of the conductor, whilst the barrel length has been designed to allow easy and accurate positioning of the dies during the crimping operation.

Lugs are electrolytically tinplated to avoid oxidation.

A-2M series lugs form an important part of Cembre crimping systems for power carrying conductors, details of the appropriate crimping tools and dies are shown opposite and in detail on page 232-233, whilst our technicians are always available to provide any technical advice which may be required.

The enclosed table is only indicative of the range and many variations in stud fixing and palm lengths are also available.

UL listed for US and Canada per UL486A up to 35 KV.

Cond. Size AWG	Ø Stud in.	Type	Dimensions in.							Quantity Box/Bag	Mechanical Tools	Hydraulic Tools			
			Øi	B	M	N	E	L	d						
8	#8	A2-2M4-12	0.18	0.39	0.2	0.16	0.47	1.44	0.17	100	HN1 HN5 HN-A25				
	5/16"	A2-2M8-20	0.18	0.59	0.43	0.43	0.79	2.26	0.33	100					
6	5/16"	A3-2M8-20	0.23	0.59	0.43	0.43	0.79	2.50	0.33	50	HN-A25				
	1/2"	A3-2M12-40	0.23	0.79	0.55	0.47	1.57	3.30	0.52	200/50					
4	5/16"	A5-2M8-20	0.28	0.59	0.35	0.43	0.79	2.32	0.33	400/100	TN70SEY				
	5/16"	A5-2M8-24-24	0.28	0.59	0.94	0.43	0.94	3.07	0.33	300/100					
	3/8"	A5-2M10-24-13	0.28	0.71	0.51	0.43	0.94	2.64	0.41	300/100					
2	3/8"	A7-2M10-25	0.35	0.75	0.47	0.43	0.98	2.74	0.41	100	TN70SEY				
	1/2"	A7-2M12-25	0.35	0.83	0.63	0.55	0.98	3.01	0.52	50					
	1/2"	A7-2M12-40	0.35	0.83	0.63	0.55	1.57	3.60	0.52	150/50					
2	1/4"	A10-2M6	0.39	0.75	0.31	0.43	1.75	3.50	0.25	50	TN70SEY				
	5/16"	A10-2M8-20	0.39	0.75	0.43	0.43	0.79	2.66	0.33	200/50					
	5/16"	A10-2M8-22	0.39	0.75	0.43	0.43	0.87	2.74	0.33	150/50					
	5/16"	A10-2M8-30	0.39	0.75	0.43	0.43	1.18	3.05	0.33	150/50					
	5/16"	A10-2M8-24-24	0.39	0.75	0.94	0.43	0.94	3.33	0.33	150/50					
1/0	3/8"	A10-2M10-24-13	0.39	0.75	0.51	0.43	0.94	2.89	0.41	150/50	TN120SEY				
	1/2"	A10-2M12	0.39	0.83	0.63	0.55	1.75	3.94	0.52	100/50					
1/0	1/2"	A10-2M12-25	0.39	0.83	0.63	0.55	0.98	3.17	0.52	50	TN120SEY				
	5/16"	A14-2M8-24-24	0.44	0.83	0.94	0.43	0.94	3.46	0.33	100/50					
2/0	3/8"	A14-2M10-24	0.44	0.83	0.51	0.43	0.94	3.03	0.41	100/50	TN120SEY				
	1/2"	A14-2M12-25	0.44	0.87	0.63	0.55	0.98	3.31	0.52	50					
2/0	1/2"	A14-2M12-30-29	0.44	0.87	1.14	0.55	1.18	4.02	0.52	100/50	TN120SEY				
	1/2"	A14-2M12-40	0.44	0.87	0.63	0.55	1.57	3.90	0.52	100/50					
3/0	1/4"	A19-2M6	0.53	0.98	0.39	0.43	1.75	3.98	0.25	25	TN120SEY				
	5/16"	A19-2M8-50 S	0.53	0.98	0.59	0.59	1.97	4.55	0.33	75/25					
2/0	3/8"	A19-2M10-24-13	0.53	0.98	0.51	0.43	0.94	3.29	0.41	75/25	TN120SEY				
	3/8"	A19-2M10-24-26	0.53	0.98	1.02	0.43	0.94	3.80	0.41	50/25					
3/0	3/8"	A19-2M10-40	0.53	0.98	0.51	0.43	1.57	3.92	0.41	75/25	TN120SEY				
	1/2"	A19-2M12-25	0.53	0.98	0.63	0.55	0.98	3.56	0.52	25					
3/0	1/2"	A19-2M12-30-29	0.53	0.98	1.14	0.55	1.18	4.27	0.52	50/25	TN120SEY				
	9/16"	A19-2M14-25	0.53	0.98	0.71	0.63	0.98	3.72	0.59	25					
3/0	5/16"	A24-2M8-20	0.60	1.12	0.43	0.43	0.79	3.11	0.33	25	TN120SEY				
	5/16"	A24-2M8-24-29	0.60	1.12	1.14	0.43	0.94	3.98	0.33	50/25					
	5/16"	A24B-2M8-25/19*	0.60	0.75	0.55	0.35	0.98	3.35	0.33	50/25					
	5/16"	A24B-2M8-45/19*	0.60	0.75	0.55	0.35	1.77	4.13	0.33	50/25					
	3/8"	A24-2M10	0.60	1.12	0.51	0.43	1.75	4.15	0.41	50/25					
	3/8"	A24-2M10-22	0.60	1.12	0.51	0.43	0.87	3.27	0.41	25					
	3/8"	A24-2M10-25/24	0.60	0.94	0.51	0.43	0.98	3.39	0.41	50/25					
	3/8"	A24-2M10-33.5	0.60	1.12	0.51	0.43	1.32	3.72	0.41	50/25					
	3/8"	A24L-2M10-30AS	0.60	1.12	0.51	0.43	1.18	3.58	0.41	25					
	1/2"	A24-2M12-30-29	0.60	1.12	1.14	0.55	1.18	4.33	0.52	50/25					
300	9/16"	A24-2M14	0.60	1.12	0.71	0.63	1.75	4.55	0.59	50/25	TN120SEY				
	5/8"	A24-2M16	0.60	1.12	0.75	0.67	1.75	4.63	0.67	50/25					
	5/16"	A30-2M8-20	0.66	1.24	0.51	0.43	0.79	3.50	0.33	50/25					
	3/8"	A30-2M10-24-28	0.66	1.24	1.10	0.43	0.94	4.25	0.41	50/25					
	1/2"	A30-2M12-30	0.66	1.24	0.63	0.55	1.18	4.13	0.52	50/25					
	250	1/2"	A30-2M12-30-29	0.66	1.24	1.14	0.55	1.18	4.65	0.52			30/15	TN120SEY	
		1/2"	A30-2M12-40	0.66	1.24	0.63	0.55	1.57	4.53	0.52			30/15		
	300	9/16"	A30-2M14	0.66	1.24	0.71	0.63	1.75	4.86	0.59			50/25	TN120SEY	
		9/16"	A30-2M14-33.5	0.66	1.24	0.71	0.63	1.32	4.43	0.59			50/25		
	350	3/8"	A37-2M10-25	0.76	1.40	0.51	0.43	0.98	3.98	0.41			30/15	TN120SEY	
1/2"		A37-2M12	0.76	1.40	0.63	0.55	1.75	4.98	0.52	30/15					
300	1/2"	A37-2M12-32	0.76	1.40	0.63	0.55	1.26	4.49	0.52	30/15	TN120SEY				
	1/2"	A37-2M12-30-31	0.76	1.40	1.22	0.55	1.18	5.00	0.52	30/15					
MCM	9/16"	A37-2M14	0.76	1.40	0.71	0.63	1.75	5.14	0.59	30/15	TN120SEY				
	9/16"	A37-2M14-35	0.76	1.40	0.71	0.63	1.38	4.76	0.59	15					
MCM	5/8"	A37-2M16-40	0.76	1.40	0.75	0.67	1.57	5.04	0.67	15	TN120SEY				

*Contained palm, without inspection hole

DOUBLE HOLE COPPER TUBE CRIMPING LUGS

A-2M

for Copper conductors



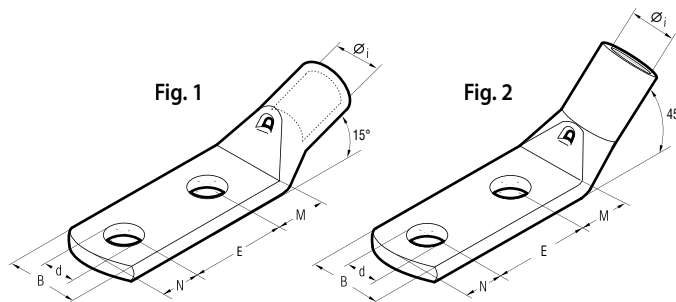
Cond. Size AWG	Ø Stud in.	Type	Dimensions in.							Quantity Box/Bag	Hydraulic Tools				
			Øi	B	M	N	E	L	d						
300 350 MCM	3/8"	A48-2M10-20	0.83	1.54	0.51	0.43	0.79	4.02	0.41	15	HT51 B550CA B500NDA RH50 B500A	HT81-U RHU81	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520
	3/8"	A48-2M10-35	0.83	1.54	0.51	0.43	1.38	4.61	0.41	15					
	1/2"	A48-2M12	0.83	1.54	0.63	0.55	1.75	5.22	0.52	30/15					
	1/2"	A48-2M12-35	0.83	1.54	0.63	0.55	1.38	4.84	0.52	30/15					
	1/2"	A48-2M12-40	0.83	1.54	0.63	0.55	1.57	5.04	0.52	30/15					
	1/2"	A48-2M12-30-31	0.83	1.54	1.22	0.55	1.18	5.24	0.52	20/10					
500 600 MCM	9/16"	A48-2M14	0.83	1.54	0.71	0.63	1.75	5.37	0.59	30/15	RH50 B500A	HT81-U RHU81	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520
	9/16"	A48-2M14-40	0.83	1.54	0.71	0.63	1.57	5.20	0.59	30/15					
	1/2"	A60-2M12	0.93	1.73	0.79	0.55	1.75	5.65	0.52	20/5					
	1/2"	A60-2M12-40	0.93	1.73	0.79	0.55	1.57	5.47	0.52	20/5					
	1/2"	A60-2M12-30-38	0.93	1.73	1.50	0.55	1.18	5.79	0.52	20/5					
	9/16"	A60-2M14	0.93	1.73	0.87	0.63	1.75	5.81	0.59	20/5					
800 MCM	5/8"	A60-2M16-40	0.93	1.73	0.87	0.67	1.57	5.67	0.67	20/5	RH50 B500A	HT81-U RHU81	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520
	5/8"	A60-2M16	0.93	1.73	0.87	0.67	1.75	5.85	0.67	20/5					
	5/8"	A60-2M16-35	0.93	1.73	0.87	0.67	1.38	5.47	0.67	20/5					
	9/16"	A80-2M14	1.06	2.01	0.87	0.63	1.75	6.08	0.59	15/5					
	9/16"	A80-2M14-40	1.06	2.01	0.87	0.63	1.57	5.91	0.59	15/5					
	5/8"	A80-2M16-40	1.06	2.01	0.87	0.75	1.57	6.02	0.67	15/5					
	5/8"	A80B-2M16-40*	1.06	2.01	0.87	0.75	1.57	6.02	0.67	5					
	5/8"	A80-2M16-50	1.06	2.01	0.87	0.75	1.97	6.42	0.67	5					

*Without inspection hole

DOUBLE HOLE COPPER TUBE CRIMPING LUGS

A-2M

angled 315° and 345° for copper conductors



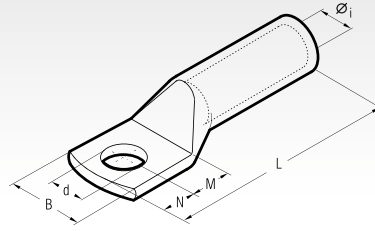
Cond. Size AWG	Ø Stud in.	Type	Fig. N.	Dimensions in.							Quantity Box/Bag	Mechanical Tools	Hydraulic Tools						
				Øi	B	M	N	E	L	d									
4	5/16"	A5-2M8-24-24/345°	1	0.28	0.59	0.94	0.43	0.94	0.33	300/100	HN-A25	TN70SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500A	HT81-U RHU81	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520
	1/2"	A5-2M12-30-29/345°	1	0.28	0.83	1.14	0.55	1.18	0.52	200/100									
2 - 1/0	5/16"	A10-2M8-24-24/345°	1	0.39	0.75	0.94	0.43	0.94	0.33	150/50	TN70SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500A	HT81-U RHU81	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520	
	5/16"	A14-2M8-24-24/345°	1	0.44	0.83	0.94	0.43	0.94	0.33	100/50									
1/0	3/8"	A14-2M10-24-26/315°	2	0.44	0.83	1.02	0.43	0.94	0.41	100/50	TN70SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500A	HT81-U RHU81	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520	
	3/8"	A14-2M10-24-26/345°	1	0.44	0.83	1.02	0.43	0.94	0.41	100/50									
2/0	1/2"	A14-2M12-30-29/345°	1	0.44	0.87	1.14	0.55	1.18	0.52	100/50	TN70SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500A	HT81-U RHU81	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520	
	5/16"	A19-2M8-24-24/345°	1	0.53	0.98	0.94	0.43	0.94	0.33	75/25									
3/0	3/8"	A19-2M10-24-26/345°	1	0.53	0.98	1.02	0.43	0.94	0.41	25	TN70SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500A	HT81-U RHU81	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520	
	1/2"	A19-2M12-30-29/345°	1	0.53	0.98	1.14	0.55	1.18	0.52	75/25									
250	5/16"	A24-2M8-24-29/345°	1	0.60	1.12	1.14	0.43	0.94	0.33	50/25	TN70SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500A	HT81-U RHU81	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520	
	3/8"	A24-2M10-24-29/345°	1	0.60	1.12	1.14	0.43	0.94	0.41	50/25									
	1/2"	A24-2M12-30-29/345°	1	0.60	1.12	1.14	0.55	1.18	0.52	50/25									
250 - 300 MCM	5/16"	A30-2M8-24-29/345°	1	0.66	1.24	1.14	0.43	0.94	0.33	30/15	TN70SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500A	HT81-U RHU81	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520	
	3/8"	A30-2M10-24-28/345°	1	0.66	1.24	1.10	0.43	0.94	0.41	50/25									
300 - 350 MCM	1/2"	A30-2M12-30-29/345°	1	0.66	1.24	1.14	0.55	1.18	0.52	40/20	TN70SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500A	HT81-U RHU81	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520	
	3/8"	A37-2M10-25/315°	2	0.76	1.40	0.51	0.43	0.98	0.41	15									
300 - 350 MCM	1/2"	A37-2M12-30-31/345°	1	0.76	1.40	1.22	0.55	1.18	0.52	30/15	TN70SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500A	HT81-U RHU81	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520	
	1/2"	A48-2M12/345°	1	0.83	1.54	0.63	0.55	1.75	0.52	20/10									
300 - 350 MCM	1/2"	A48-2M12-30/45°	1	0.83	1.54	0.63	0.55	1.18	0.52	20/10	TN70SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500A	HT81-U RHU81	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520	
	1/2"	A48-2M12-30-31/345°	1	0.83	1.54	1.22	0.55	1.18	0.52	20/10									
500 - 600 MCM	1/2"	A60-2M12-30-38/345°	1	0.93	1.73	1.50	0.55	1.18	0.52	20/10	TN70SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500A	HT81-U RHU81	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520	



2A-M

HEAVY DUTY COPPER TUBE TERMINALS

for Copper conductors



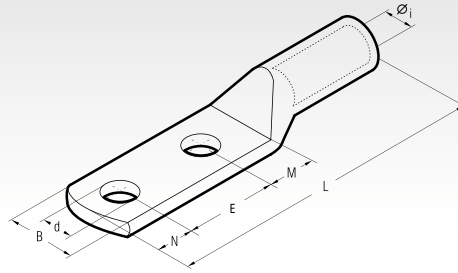
Conductor Size AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools	
			Øi	B	M	N	L	d				
6	5/16"	2A3-M8	0.23	0.59	0.35	0.31	1.71	0.33	600/100	HNS HN-A25	B15MA	
	3/8"	2A3-M10	0.23	0.71	0.43	0.39	1.87	0.41	500/100			
4	5/16"	2A5-M8	0.28	0.59	0.35	0.31	2.01	0.33	400/100	TN70SEY		
	3/8"	2A5-M10	0.28	0.71	0.43	0.39	2.17	0.41	300/50			
2	1/2"	2A5-M12	0.28	0.83	0.55	0.47	2.36	0.52	300/50	TN120SEY		
	5/16"	2A7-M8	0.35	0.67	0.35	0.31	2.09	0.33	250/50			
2	3/8"	2A7-M10	0.35	0.75	0.43	0.39	2.24	0.41	200/50	TN70SEY		
	1/2"	2A7-M12	0.35	0.83	0.55	0.47	2.44	0.52	200/50			
2-1/0	3/8"	2A10-M10	0.39	0.79	0.43	0.39	2.48	0.41	100/50	TN70SEY		
	1/2"	2A10-M12	0.39	0.83	0.55	0.47	2.68	0.52	100/50			
1/0-2/0	9/16"	2A10-M14	0.39	0.98	0.63	0.55	2.83	0.59	150/50	TN120SEY		
	5/8"	2A10-M16	0.39	1.02	0.71	0.63	2.99	0.67	150/50			
2/0-3/0	3/8"	2A14-M10	0.44	0.83	0.43	0.39	2.76	0.41	100/50	TN120SEY		
	1/2"	2A14-M12	0.44	0.87	0.55	0.47	2.95	0.52	100/50			
2/0-3/0	9/16"	2A14-M14	0.44	0.98	0.63	0.55	3.11	0.59	100/50	TN120SEY		
	5/8"	2A14-M16	0.44	1.02	0.71	0.63	3.27	0.67	100/50			
3/0-250	3/8"	2A19-M10	0.53	0.98	0.43	0.39	3.01	0.41	50/25	TN120SEY		
	1/2"	2A19-M12	0.53	0.98	0.55	0.47	3.21	0.52	50/25			
3/0-250	9/16"	2A19-M14	0.53	0.98	0.63	0.55	3.37	0.59	75/25	TN120SEY		
	5/8"	2A19-M16	0.53	1.06	0.71	0.63	3.56	0.67	50/25			
3/0-250	3/4"	2A19-M20	0.53	1.16	0.87	0.79	3.84	0.83	75/25	TN120SEY		
	3/8"	2A24-M10	0.60	1.12	0.43	0.39	3.23	0.41	30/15			
250	1/2"	2A24-M12	0.60	1.12	0.55	0.47	3.43	0.52	30/15	TN120SEY		
	9/16"	2A24-M14	0.60	1.12	0.63	0.55	3.58	0.59	30/15			
300	5/8"	2A24-M16	0.60	1.12	0.71	0.63	3.74	0.67	30/15	TN120SEY		
	3/4"	2A24-M20	0.60	1.18	0.87	0.79	4.06	0.83	50/25			
300	3/8"	2A30-M10	0.66	1.24	0.51	0.43	3.62	0.41	50/25	TN120SEY		
	1/2"	2A30-M12	0.66	1.24	0.63	0.55	3.86	0.52	30/15			
350	9/16"	2A30-M14	0.66	1.24	0.71	0.63	4.02	0.59	30/15	TN120SEY		
	5/8"	2A30-M16	0.66	1.24	0.75	0.67	4.09	0.67	30/15			
500	3/4"	2A30-M20	0.66	1.24	0.87	0.79	4.33	0.83	30/15	TN120SEY		
	1/2"	2A37-M12	0.76	1.40	0.63	0.55	4.25	0.52	20/10			
350	9/16"	2A37-M14	0.76	1.40	0.71	0.63	4.41	0.59	30/15	TN120SEY		
	5/8"	2A37-M16	0.76	1.40	0.75	0.67	4.49	0.67	30/15			
500	3/4"	2A37-M20	0.76	1.40	0.87	0.79	4.72	0.83	30/15	TN120SEY		
	1/2"	2A48-M12	0.83	1.54	0.63	0.55	4.29	0.52	20/5			
500	9/16"	2A48-M14	0.83	1.54	0.71	0.63	4.45	0.59	20/5	TN120SEY		
	5/8"	2A48-M16	0.83	1.54	0.75	0.67	4.53	0.67	20/5			
600	3/4"	2A48-M20	0.83	1.54	0.87	0.79	4.76	0.83	25/5	TN120SEY		
	1/2"	2A60-M12	0.93	1.73	0.79	0.55	5.10	0.52	20/5			
800	9/16"	2A60-M14	0.93	1.73	0.87	0.63	5.26	0.59	20/5	TN120SEY		
	5/8"	2A60-M16	0.93	1.73	0.87	0.75	5.37	0.67	20/5			
1000	3/4"	2A60-M20	0.93	1.73	0.94	0.91	5.61	0.83	20/5	TN120SEY		
	1/2"	2A80-M12	1.06	2.01	0.87	0.75	5.51	0.52	15/5			
1250	9/16"	2A80-M14	1.06	2.01	0.87	0.75	5.51	0.59	10/5	TN120SEY		
	5/8"	2A80-M16	1.06	2.01	0.87	0.75	5.51	0.67	10/5			
1500	3/4"	2A80-M20	1.06	2.01	0.94	0.91	5.75	0.83	15/5	TN120SEY		
	5/8"	2A100-M16*	1.19	2.22	0.87	0.75	5.55	0.67	10/1			
2000	3/4"	2A100-M20*	1.19	2.22	0.94	0.91	5.78	0.83	10/1	TN120SEY		
	5/8"	2A120-M16*	1.31	2.42	0.87	0.75	6.26	0.67	20/1			
1500	3/4"	2A120-M20*	1.31	2.42	0.94	0.91	6.50	0.83	20/1	TN120SEY		
	3/4"	2A160-M20*	1.50	2.83	0.94	0.91	7.36	0.83	12/1			
2000	3/4"	2A200-M20*	1.73	3.23	0.94	0.91	7.95	0.83	6/1	TN120SEY		

*Not UL approved

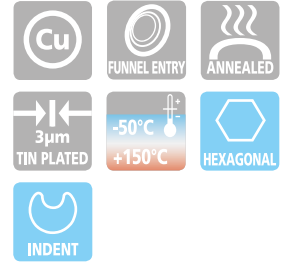
HEAVY DUTY COPPER TUBE TERMINALS

2A-2M

two hole fixing - for Copper conductors



Cond. Size AWG	Ø Stud in.	Type	Dimensions in.							Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
			Øi	B	M	N	E	L	d			
2-1/0	1/2"	2A10-2M12	0.39	0.83	0.55	0.47	1.75	4.43	0.52	75/25	TN70SEY	B1300L-CA and similar tools for U dies
	1/2"	2A14-2M12	0.45	0.87	0.63	0.55	1.75	4.86	0.52	50/25		
1/0-2/0	9/16"	2A14-2M14	0.45	0.98	0.71	0.63	1.75	5.02	0.59	75/25	TN120SEY	B1300L-CA and similar tools for U dies
	1/2"	2A19-2M12	0.53	0.98	0.63	0.55	1.75	5.04	0.52	50/25		
2/0-3/0	9/16"	2A19-2M14	0.53	0.98	0.71	0.63	1.75	5.20	0.59	50/25	TN120SEY	B1300L-CA and similar tools for U dies
	1/2"	2A24-2M12	0.60	1.12	0.63	0.55	1.75	5.34	0.52	50/25		
3/0-250	9/16"	2A24-2M14	0.60	1.12	0.71	0.63	1.75	5.49	0.59	50/25	TN120SEY	B1300L-CA and similar tools for U dies
	5/8"	2A24-2M16	0.60	1.12	0.71	0.67	1.75	5.53	0.67	50/25		
250	1/2"	2A30-2M12	0.66	1.24	0.63	0.55	1.75	5.61	0.52	30/15	TN120SEY	B1300L-CA and similar tools for U dies
300	9/16"	2A30-2M14	0.66	1.24	0.71	0.63	1.75	5.77	0.59	30/15		
MCM	5/8"	2A30-2M16*	0.66	1.24	0.75	0.67	1.75	5.85	0.67	30/15	TN120SEY	B1300L-CA and similar tools for U dies
300	1/2"	2A37-2M12	0.76	1.40	0.63	0.55	1.75	6.00	0.52	30/15		
350	9/16"	2A37-2M14	0.76	1.40	0.71	0.63	1.75	6.16	0.59	30/15	TN120SEY	B1300L-CA and similar tools for U dies
MCM	5/8"	2A37-2M16	0.76	1.40	0.75	0.67	1.75	6.24	0.67	30/15		
350	1/2"	2A48-2M12	0.83	1.54	0.63	0.55	1.75	6.04	0.52	25/5	TN120SEY	B1300L-CA and similar tools for U dies
500	9/16"	2A48-2M14	0.83	1.54	0.71	0.63	1.75	6.20	0.59	25/5		
MCM	5/8"	2A48-2M16	0.83	1.54	0.75	0.67	1.75	6.28	0.67	25/5	TN120SEY	B1300L-CA and similar tools for U dies
500	1/2"	2A60-2M12	0.93	1.73	0.79	0.55	1.75	6.85	0.52	15/5		
600	9/16"	2A60-2M14	0.93	1.73	0.87	0.63	1.75	7.01	0.59	20/5	TN120SEY	B1300L-CA and similar tools for U dies
MCM	5/8"	2A60-2M16	0.93	1.73	0.75	0.67	1.75	6.93	0.67	20/5		
800	1/2"	2A80-2M12	1.06	2.01	0.79	0.55	1.75	6.99	0.52	15/5	TN120SEY	B1300L-CA and similar tools for U dies
MCM	9/16"	2A80-2M14	1.06	2.01	0.87	0.63	1.75	7.15	0.59	10/5		
	5/8"	2A80-2M16	1.06	2.01	0.87	0.75	1.75	7.26	0.67	15/5	TN120SEY	B1300L-CA and similar tools for U dies
1000	1/2"	2A100-2M12*	1.19	2.22	0.79	0.55	1.75	7.03	0.52	10/5		
MCM	9/16"	2A100-2M14*	1.19	2.22	0.87	0.63	1.75	7.19	0.59	10/1	TN120SEY	B1300L-CA and similar tools for U dies
	5/8"	2A100-2M16*	1.19	2.22	0.87	0.75	1.75	7.30	0.67	10/1		
1250	1/2"	2A120-2M12*	1.32	2.42	0.79	0.55	1.75	7.74	0.52	15/1	TN120SEY	B1300L-CA and similar tools for U dies
MCM	9/16"	2A120-2M14*	1.32	2.42	0.87	0.75	1.75	7.89	0.59	15/1		
	5/8"	2A120-2M16*	1.32	2.42	0.87	0.75	1.75	8.01	0.67	15/1	TN120SEY	B1300L-CA and similar tools for U dies
1500	1/2"	2A160-2M12*	1.50	2.84	0.79	0.55	1.75	8.60	0.52	1		
MCM	9/16"	2A160-2M14*	1.50	2.84	0.87	0.75	1.75	8.88	0.59	10/1	TN120SEY	B1300L-CA and similar tools for U dies
	5/8"	2A160-2M16*	1.50	2.84	0.95	0.75	1.75	8.96	0.67	10/1		
2000	1/2"	2A200-2M12*	1.73	3.15	0.79	0.55	1.75	9.19	0.52	6/2	TN120SEY	B1300L-CA and similar tools for U dies
MCM	9/16"	2A200-2M14*	1.73	3.15	0.87	0.63	1.75	9.35	0.59	1		
	5/8"	2A200-2M16*	1.73	3.15	0.87	0.75	1.75	9.47	0.67	5/1	TN120SEY	B1300L-CA and similar tools for U dies
	3/4"	2A200-2M20*	1.73	3.15	0.95	0.91	1.75	9.71	0.83	6/2		

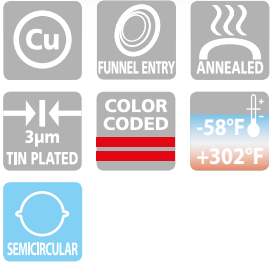
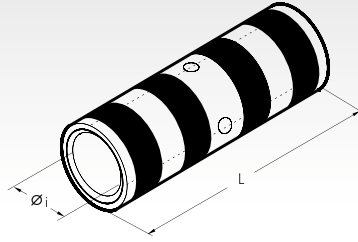


2A-2M series terminals are made from high purity Copper tube with a purity greater than 99.9%, and are annealed to ensure ductility and satisfactory performance when subjected to deformation and vibration. The tube dimensions are designed to optimise electrical conductivity and mechanical strength. Double length barrels enhance electrical and mechanical performance in heavy duty applications. Palms feature double stud holes at standard 1.75 in. centres. Other configurations are available upon request. The absence of an inspection hole prevents the ingress of water or moisture into the crimped joint making these terminals suitable for outdoor applications. Lugs are electrolytically Tin plated to avoid oxidation.

Details of the appropriate crimping tools and dies are shown on pages 232 to 233.

*Not UL approved

long barrel - for Copper conductors



BSCL range of connectors are designed for jointing low voltage conductors in heavy duty applications. Made of electrolytic Copper tube with a purity greater than 99.9%, having the same dimension as C and CL series lugs, BSCL connectors are annealed and electrolytically Tin plated.

They feature an internal taper at both ends to ease the introduction of the conductor and a central stop to ensure correct positioning.

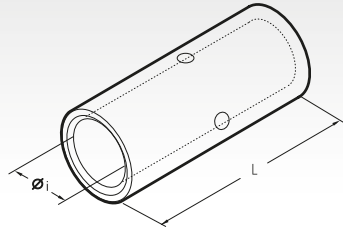
UL listed for US and Canada per UL486A up to 35 KV.

Appropriate crimping tools and dies are shown in details on page 230.

Conductor Size AWG	Type	Dimensions in.		Colour Code	Quantity Box/Bag	Mechanical Tools		Hydraulic Tools	
		Øi	L						
8	BSCL8	0.18	1.99	RED	600/150	HN1	HNS	B15MA	
6	BSCL6	0.23	1.99	BLUE	400/100				
4	BSCL4	0.24	2.38	GREY	200/100		TN170SEY		
3	BSCL3	0.28	2.38	WHITE	200/50				
2	BSCL2	0.30	2.38	BROWN	200/50		TN120SEY		
1	BSCL1	0.35	2.58	GREEN	200/50				
1/0	BSCL1/0	0.39	2.87	PINK	200/50				
2/0	BSCL2/0	0.44	3.11	BLACK	100/50				
3/0	BSCL3/0	0.49	3.11	ORANGE	80/40				
4/0	BSCL4/0	0.53	3.37	PURPLE	50/25				
250 MCM	BSCL250	0.60	3.37	YELLOW	50/25				
300 MCM	BSCL300	0.66	4.11	WHITE	40/20				
350 MCM	BSCL350	0.69	4.11	RED	40/20				
400 MCM	BSCL400	0.76	4.37	BLUE	20/10				
500 MCM	BSCL500	0.83	4.61	BROWN	20/10				
600 MCM	BSCL600	0.93	5.49	GREEN	20/10				
750 MCM	BSCL750	1.02	5.87	BLACK	10/10				

THROUGH CONNECTORS

for Copper conductors



Conductor Size AWG	Type	Dimensions in.		Quantity Box/Bag	Mechanical Tools		Hydraulic Tools	
		øi	L					
22÷16	L03-M*	0.07	0.59	6,000/100				
16÷14	L06-M*	0.09	0.59	4,000/100				
12÷10	L1-M	0.14	0.87	2,000/100	HN1			
8	L2-M	0.18	0.98	1,000/100				
6	L3-M	0.23	1.06	500/100	HN5			
4	L5-M	0.28	1.14	500/100	HN-A25			
2	L7-M	0.35	1.30	400/100	TN70SEY			
2-1/0	L10-M	0.39	1.46	200/50	TN120 SEY			
1/0-2/0	L14-M	0.44	1.54	200/50				
2/0-3/0	L19-M	0.53	1.69	100/25				
3/0-250	L24-M	0.60	1.85	75/25				
250-300 MCM	L30-M	0.66	2.28	50/25				
300-350 MCM	L37-M	0.76	2.52	30/15				
350-500 MCM	L48-M	0.83	2.95	20/10				
500-600 MCM	L60-M	0.93	3.54	20/10				
800 MCM	L80-M	1.06	3.70	15/5				
1000 MCM	L100-M	1.19	3.86	12/1				
1250 MCM	L120-M*	1.31	4.13	10/1				
1500 MCM	L160-M*	1.50	4.41	9/1				
2000 MCM	L200-M*	1.73	4.72	6/1				

*Not UL approved

L-M



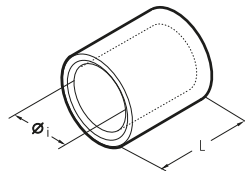
L-M range of connectors are designed for joining low voltage conductors.

Made of electrolytic Copper tube with a purity greater than 99.9%, having the same dimension as A-M series lugs: L-M connectors are annealed and electrolytically Tin plated. They feature an internal taper at both ends to ease the introduction of the conductor and a central stop to ensure correct positioning.

Details of the appropriate crimping tools and dies are shown on pages 232-233.

PARALLEL CONNECTORS

for Copper conductors



Conductor Size AWG	Type	Dimensions in.		Quantity Box/Bag	Mechanical Tools		Hydraulic Tools	
		øi	L					
22÷16	L03-P	0.07	0.24	8,000/100				
16÷14	L06-P	0.09	0.24	5,000/100				
12÷10	L1-P	0.14	0.35	3,000/100	HN1			
8	L2-P	0.18	0.41	3,000/100				
6	L3-P	0.23	0.45	2,000/100	HN5			
4	L5-P	0.28	0.51	1,000/100	HN-A25			
2	L7-P	0.35	0.55	500/100	TN70SEY			
2-1/0	L10-P	0.39	0.63	500/100	TN120 SEY			
1/0-2/0	L14-P	0.44	0.71	500/100				
2/0-3/0	L19-P	0.53	0.75	200/50				
3/0-250	L24-P	0.60	0.87	200/50				
250-300 MCM	L30-P	0.66	1.04	100/50				
300-350 MCM	L37-P	0.76	1.04	100/50				
350-500 MCM	L48-P	0.83	1.34	60/15				
500-600 MCM	L60-P	0.93	1.69	50/25				

L-P



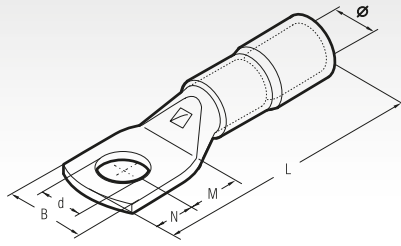
Made of electrolytic Copper tube with a purity greater than 99.9%, having the same dimensions as A-M series lugs, L-P connectors are annealed and electrolytically Tin plated. They feature an internal taper to ease the introduction of the conductor.

Details of the appropriate crimping tools and dies are shown on pages 232-233.

ANE-M

NYLON INSULATED COPPER TUBE LUGS

for Copper conductors



ANE-M series lugs are manufactured from electrolytic Copper tube with a purity greater than 99.9%, annealed and Tin plated.

The interior of the Nylon insulated sleeve is funnel shaped so as to ensure complete and easy introduction of the conductor strands.

It also eliminates the need to insulate the terminal using either tape or heat shrinkable tubing.

Furthermore the PA6.6 sleeve avoids the possibility of conductor breakage at the barrel entrance.

The operating temperature range is -4 to +239°F (Surge + 266°F).

In order to achieve the best electrical and mechanical performance it is suggested that they are crimped using dies and tools specifically developed for this purpose by Cembre.

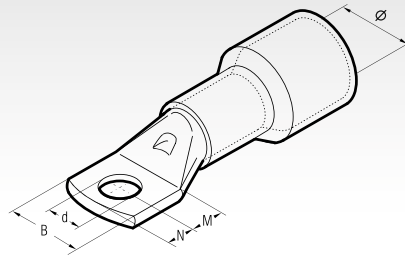
Details of the appropriate crimping tools and dies are shown on pages 236-237.

Cond. Size Flexible AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
			Ø	B	M	N	L	d			
8	#8	ANE2-M4	0.31	0.39	0.20	0.16	1.34	0.17	500/100	HNN3	B15MA
	#10	ANE2-M5	0.31	0.39	0.26	0.24	1.48	0.21	500/100		
	1/4"	ANE2-M6	0.31	0.43	0.28	0.24	1.50	0.25	500/100		
	5/16"	ANE2-M8	0.31	0.59	0.35	0.31	1.66	0.33	500/100		
	3/8"	ANE2-M10	0.31	0.71	0.43	0.39	1.81	0.41	500/100		
6	1/2"	ANE2-M12	0.31	0.75	0.55	0.47	2.01	0.52	500/100	HNN4	B15MA
	#8	ANE3-M4	0.36	0.45	0.20	0.16	1.52	0.17	400/100		
	#10	ANE3-M5	0.36	0.45	0.26	0.24	1.66	0.21	400/100		
	1/4"	ANE3-M6	0.36	0.45	0.28	0.24	1.68	0.25	400/100		
	5/16"	ANE3-M8	0.36	0.59	0.35	0.31	1.83	0.33	400/100		
4	3/8"	ANE3-M10	0.36	0.71	0.43	0.39	1.99	0.41	300/100	TNN70	B550CA
	1/2"	ANE3-M12	0.36	0.79	0.55	0.47	2.19	0.52	300/100		
	#8	ANE5-M4	0.44	0.55	0.20	0.16	1.61	0.17	300/100		
	#10	ANE5-M5	0.44	0.55	0.26	0.24	1.75	0.21	300/100		
	1/4"	ANE5-M6	0.44	0.55	0.28	0.24	1.77	0.25	300/100		
2	5/16"	ANE5-M8	0.44	0.59	0.35	0.31	1.93	0.33	300/100	TNN120	B500CA, B550CA
	3/8"	ANE5-M10	0.44	0.71	0.43	0.39	2.09	0.41	300/100		
	1/2"	ANE5-M12	0.44	0.83	0.55	0.47	2.28	0.52	200/50		
	1/4"	ANE7-M6	0.54	0.67	0.28	0.24	1.97	0.25	100/50		
	5/16"	ANE7-M8	0.54	0.67	0.35	0.31	2.13	0.33	100/50		
2-1/0	3/8"	ANE7-M10	0.54	0.75	0.43	0.39	2.28	0.41	100/50	TNN120	B500A, B500DA
	1/2"	ANE7-M12	0.54	0.83	0.55	0.47	2.48	0.52	100/50		
	1/4"	ANE10-M6	0.54	0.75	0.31	0.28	2.09	0.25	150/50		
	5/16"	ANE10-M8	0.54	0.75	0.35	0.31	2.17	0.33	150/50		
	3/8"	ANE10-M10	0.54	0.79	0.45	0.37	2.32	0.41	150/50		
1/0-2/0	1/2"	ANE10-M12	0.54	0.83	0.47	0.47	2.44	0.52	150/50	TNN120	B500A, B500DA
	1/4"	ANE14-M6	0.62	0.83	0.31	0.28	2.40	0.25	100/25		
	5/16"	ANE14-M8	0.62	0.83	0.35	0.31	2.48	0.31	75/25		
	3/8"	ANE14-M10	0.62	0.83	0.43	0.39	2.64	0.41	100/25		
	1/2"	ANE14-M12	0.62	0.87	0.55	0.47	2.83	0.52	100/25		
2/0	9/16"	ANE14-M14	0.62	0.98	0.63	0.55	2.99	0.59	100/25	TNN120	B500A, B500DA
	5/16"	ANE19-M8	0.71	0.98	0.35	0.31	2.87	0.33	50/25		
	3/8"	ANE19-M10	0.71	0.98	0.43	0.39	3.03	0.41	50/25		
	1/2"	ANE19-M12	0.71	0.98	0.55	0.47	3.23	0.52	50/25		
	9/16"	ANE19-M14	0.71	0.98	0.63	0.55	3.39	0.59	50/25		
3/0	5/8"	ANE19-M16	0.71	1.06	0.71	0.63	3.15	0.67	50/25	TNN120	B500A, B500DA
	3/8"	ANE24-M10	0.79	1.12	0.43	0.39	3.06	0.41	50/25		
	1/2"	ANE24-M12	0.79	1.12	0.55	0.47	3.41	0.52	50/25		
	9/16"	ANE24-M14	0.79	1.12	0.63	0.55	3.48	0.59	50/25		
	5/8"	ANE24-M16	0.79	1.12	0.71	0.63	3.56	0.67	50/25		
250 MCM	1/2"	ANE30-M12	0.91	1.24	0.63	0.55	3.98	0.52	30/15	TNN120	B500A, B500DA
	9/16"	ANE30-M14	0.91	1.24	0.71	0.63	4.13	0.59	30/15		
	5/8"	ANE30-M16	0.91	1.24	0.75	0.67	4.21	0.67	30/15		
	3/4"	ANE30-M20	0.91	1.24	0.87	0.79	4.45	0.83	30/15		

B1300L-CA and similar tools for U dies
ECW-H3D

NYLON INSULATED COPPER TUBE LUGS

for Copper conductors



AN-M
IN-M
EN-M

Conductor Size (AWG)		Type	Insulation		Mechanical Tools	Hydraulic Tools								
low stranded	Flexible		∅ in.	Color										
	(14)	AN06-M.....	0.16	● blue	HNN3									
		IN06-M.....	0.20	● green										
		ENR06-M.....	0.23	● blue										
		EN06-M.....	0.27	● blue										
	(10)	AN1-M.....	0.20	● yellow			HNN3							
		IN1-M.....	0.25	○ neutral										
		ON1-M.....	0.29	● blue										
		UN1-M.....	0.34	● blue										
	(8)	EN1-M.....	0.55	● red					HNN3					
		AN2-M.....	0.31	● red										
		IN2-M.....	0.42	● blue										
		ENR2-M.....	0.49	● blue										
	(6)	EN2-M.....	0.59	● red							HNN4	B15MA		
		AN3-M.....	0.36	● blue										
	(4)	EN3-M.....	0.46	● blue	HNN4	B15MA								
		IN3-M.....	0.66	● red										
	(2)	AN5-M.....	0.44	● yellow									TNN70	B500CA
		AN7-M.....	0.47	● red										
		EN7-M.....	0.51	● blue										
	(1/0)	IN7-M.....	0.73	● red			TNN70	B500NDA						
		AN10-M.....	0.54	○ neutral										
		EN10-M.....	0.59	● blue										
	(2/0)	EN10-M.....	0.79	● red					TNN120	B500A				
		AN14-M.....	0.62	● blue										
		IN14-M.....	0.66	● blue										
	(2/0)	EN14-M.....	0.86	● red										
		AN17-M.....	0.70	● yellow										
		IN17-M.....	0.70	● yellow										
	(3/0)	AN19-M.....	0.71	● blue	TNN120	B500A								
		EN19-M.....	0.77	● blue										
		IN19-M.....	0.95	● red										
(250 MCM)	(3/0)	AN24-M.....	0.79	● red							TNN120	B500A		
		IN24-M.....	0.87	● blue										
		EN24-M.....	1.06	● red										
(300 MCM)	(250 MCM)	AN30-M.....	0.90	● red			TNN120	B500A						
		EN30-M.....	0.96	● blue										
		IN30-M.....	1.14	● red										
(350 MCM)	(300 MCM)	ANR37-M.....	1.14	● blue					TNN120	B500A				
		IN37-M.....	1.24	● red										
		EN48-M.....	1.15	● red										
(500 MCM)	(500 MCM)	IN48-M.....	1.35	● red									TNN120	B500A
		EN60-M.....	1.31	● red										
(600 MCM)	(600 MCM)	IN60-M.....	1.49	● red	TNN120	B500A								
		EN80-M.....	1.48	● blue										
(800 MCM)	(800 MCM)	IN80-M.....	1.61	● red										
		EN80-M.....	1.61	● red										



These terminals are particularly recommended for use with flexible conductors.

They are manufactured from electrolytic copper tube with a purity greater than 99.9% and with dimension so as to ensure both a good electrical connection and an adequate resistance to vibrations and traction; they are annealed and tin plated.

For the same cable section are available different types of connectors with Nylon sleeve entry of different diameters so as to accept conductors with various insulation thickness.

The insulated sleeve additionally will accept the conductor so avoiding a sudden bending of the conductor itself at the connector entry, highly increasing its resistance to the mechanical solicitations that could break the conductor strands.

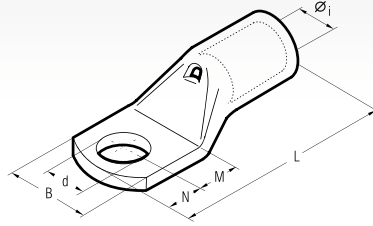
- To complete the type of connectors add the screw diameter expressed in mm to the M reference.

- The M, N, and B dimensions concerning the palm are the same as the A-M connector ones.

These connectors can be used also on low stranded conductors if crimped with radial containment dies of the MN..RF-C series.

In order to achieve the best electrical and mechanical performance it is suggested that they are crimped using dies and tools specifically developed for this purpose by Cembre (see page 236-237).

for extra flexible Copper conductors



for fine stranded
SPECIAL
flexible conductors



These lugs are particularly recommended for use with extra flexible conductors on for instance, welding machines.

A-M series lugs are designed to suit panel applications.

The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

A-M series lugs are manufactured from electrolytic Copper tube with a purity greater than 99.9%, annealed to guarantee optimum ductility and electrolytically Tin plated to avoid oxidation.

The presence of an inspection hole facilitates full insertion of the conductor.

Details of the appropriate crimping tools and dies are shown on pages 232-233.

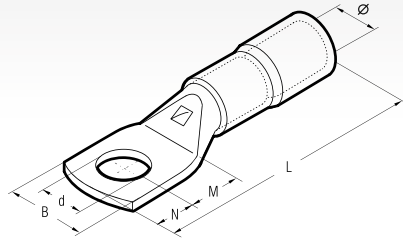
Conductor Size Extra Flexible AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools										
			Øi	B	M	N	L	d													
2	1/4"	A9-M6/15	0.37	0.59	0.31	0.28	1.52	0.25	400/100	TIN70SEY	HT45-E B450ND-BVA	HT51 RH50 B500A B500DA B550CA									
	5/16"	A9-M8	0.37	0.67	0.35	0.31	1.59	0.33	400/100												
	3/8"	A9-M10	0.37	0.73	0.43	0.39	1.75	0.41	300/100												
1/0	1/2"	A9-M12	0.37	0.83	0.55	0.47	1.95	0.52	300/50				TIN120SEY	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D RHU520						
	1/4"	A12-M6/15	0.43	0.59	0.31	0.28	1.59	0.25	200/50												
	5/16"	A12-M8	0.43	0.76	0.35	0.31	1.67	0.33	200/50												
2/0	3/8"	A12-M10	0.43	0.76	0.43	0.39	1.83	0.41	200/50							TIN120SEY	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D RHU520			
	3/8"	A12-M10/19	0.43	0.75	0.43	0.39	1.83	0.41	200/50												
	1/2"	A12-M12	0.43	0.87	0.55	0.47	2.03	0.52	200/50												
3/0	1/4"	A17-M6	0.51	0.91	0.31	0.28	1.77	0.25	200/50										TIN120SEY	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D RHU520
	5/16"	A17-M8	0.51	0.91	0.35	0.31	1.85	0.33	150/50												
	3/8"	A17-M10	0.51	0.91	0.43	0.39	2.01	0.41	150/50												
250 MCM	3/8"	A17-M10/19	0.51	0.75	0.43	0.39	2.01	0.41	200/50	TIN120SEY	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D RHU520									
	1/2"	A17-M12	0.51	0.91	0.55	0.47	2.20	0.52	150/50												
	9/16"	A17-M14	0.51	0.98	0.61	0.47	2.26	0.59	150/25												
300 MCM	5/8"	A17-M16	0.51	1.06	0.65	0.53	2.36	0.67	100/25				TIN120SEY	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D RHU520						
	5/16"	A20-M8	0.59	1.06	0.35	0.31	1.97	0.33	100/25												
	3/8"	A20-M10	0.59	1.06	0.43	0.39	2.13	0.41	100/25												
350 MCM	1/2"	A20-M12	0.59	1.06	0.55	0.47	2.32	0.52	100/25							TIN120SEY	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D RHU520			
	9/16"	A20-M14	0.59	1.06	0.61	0.47	2.38	0.59	100/25												
	5/8"	A20-M16	0.59	1.06	0.65	0.53	2.48	0.67	100/25												
400 MCM	5/16"	A29-M8	0.65	1.18	0.35	0.31	2.11	0.33	100/25										TIN120SEY	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D RHU520
	3/8"	A29-M10	0.65	1.18	0.43	0.39	2.26	0.41	50/25												
	1/2"	A29-M12	0.65	1.18	0.55	0.47	2.46	0.52	50/25												
500 MCM	9/16"	A29-M14	0.65	1.18	0.61	0.47	2.52	0.59	100/25	TIN120SEY	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D RHU520									
	5/8"	A29-M16	0.65	1.18	0.65	0.53	2.62	0.67	100/25												
	3/4"	A29-M20	0.65	1.18	0.87	0.79	3.09	0.83	75/25												
600 MCM	3/8"	A35-M10	0.76	1.35	0.51	0.43	2.58	0.41	50/25				TIN120SEY	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D RHU520						
	1/2"	A35-M12	0.76	1.35	0.63	0.55	2.81	0.52	50/25												
	9/16"	A35-M14	0.76	1.35	0.71	0.63	2.97	0.59	50/25												
750 MCM	5/8"	A35-M16	0.76	1.35	0.75	0.67	3.05	0.67	30/15							TIN120SEY	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D RHU520			
	3/4"	A35-M20	0.76	1.35	0.87	0.79	3.29	0.83	50/25												
	3/8"	A40-M10	0.83	1.48	0.51	0.43	2.87	0.41	30/15												
900 MCM	1/2"	A40-M12	0.83	1.48	0.63	0.55	3.11	0.52	30/15										TIN120SEY	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D RHU520
	9/16"	A40-M14	0.83	1.48	0.71	0.63	3.27	0.59	30/15												
		A40-M16	0.83	1.48	0.75	0.67	3.35	0.67	30/15												
1000 MCM	3/4"	A40-M20	0.83	1.48	0.87	0.79	3.58	0.83	30/15	TIN120SEY	HT81-U RHU81	B1300L-CA and similar tools for U dies ECW-H3D RHU520									

NYLON INSULATED COPPER TUBE LUGS

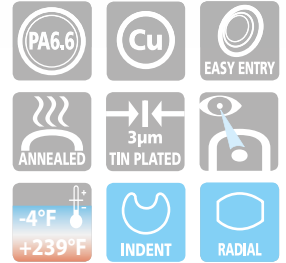
ANE-M

for extra flexible Copper conductors

for fine stranded
SPECIAL
flexible conductors



Conductor Size Extra Flexible AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
			Ø	B	M	N	L	d			
2	6	ANE9-M6/15*	0.54	0.59	0.31	0.28	2.13	0.25	150/50	TNN70 TNN120 HT51 RH50 B500A B500CA B500NDA B550CA B1300L-CA and similar tools for U dies ECW-H3D	
	8	ANE9-M8	0.54	0.67	0.35	0.31	2.20	0.33	150/50		
	10	ANE9-M10	0.54	0.73	0.43	0.39	2.36	0.41	150/50		
	12	ANE9-M12	0.54	0.83	0.55	0.47	2.56	0.52	150/50		
2-1/0	6	ANE12-M6/15*	0.62	0.59	0.31	0.28	2.34	0.25	50/25		
	8	ANE12-M8	0.62	0.78	0.35	0.31	2.42	0.33	50/25		
	10	ANE12-M10	0.62	0.78	0.43	0.39	2.58	0.41	50/25		
	10	ANE12-M10/19*	0.62	0.75	0.43	0.39	2.58	0.41	100/25		
1/0-2/0	12	ANE12-M12	0.62	0.87	0.55	0.47	2.78	0.52	50/25		
	6	ANE17-M6	0.70	0.91	0.31	0.28	2.51	0.25	100/25		
	8	ANE17-M8	0.70	0.91	0.35	0.31	2.59	0.33	50/25		
	10	ANE17-M10	0.70	0.91	0.43	0.39	2.75	0.41	50/25		
	10	ANE17-M10/19*	0.70	0.75	0.43	0.39	2.75	0.41	100/25		
	12	ANE17-M12	0.70	0.91	0.55	0.47	2.94	0.52	50/25		
2/0 3/0	14	ANE17-M14	0.70	0.98	0.61	0.47	3.00	0.59	50/25		
	16	ANE17-M16	0.70	1.06	0.65	0.53	3.10	0.67	50/25		
	8	ANE20-M8	0.79	1.06	0.35	0.31	2.78	0.33	50/25		
	10	ANE20-M10	0.79	1.06	0.43	0.39	2.94	0.41	50/25		
	12	ANE20-M12	0.79	1.06	0.55	0.47	3.13	0.52	50/25		
	14	ANE20-M14	0.79	1.06	0.61	0.47	3.19	0.59	50/25		
3/0 250	16	ANE20-M16	0.79	1.06	0.65	0.53	3.29	0.67	50/25		
	10	ANE29-M10	0.88	1.18	0.43	0.39	3.21	0.41	30/15		
	12	ANE29-M12	0.88	1.18	0.55	0.47	3.41	0.52	50/25		
	14	ANE29-M14	0.88	1.18	0.61	0.47	3.48	0.59	50/25		
	16	ANE29-M16	0.88	1.18	0.65	0.53	3.56	0.67	50/25		
235 300 MCM	20	ANE29-M20	0.88	1.18	0.87	0.79	4.04	0.83	40/20		
	12	ANE35-M12	0.98	1.35	0.63	0.55	3.74	0.52	30/15		
	14	ANE35-M14	0.98	1.35	0.71	0.63	3.90	0.59	30/15		
	16	ANE35-M16	0.98	1.35	0.75	0.67	3.98	0.67	30/15		
20	ANE35-M20	0.98	1.35	0.87	0.79	4.21	0.83	30/15			



These lugs are particularly recommended for use with extra flexible conductors on for instance, welding machines.

ANE-M series lugs are manufactured from electrolytic Copper tube with a purity greater than 99.9%, annealed and Tin plated.

The interior of the Nylon insulated sleeve is funnel shaped so as to ensure complete and easy introduction of the conductor strands.

It also eliminates the need to insulate the terminal using either tape or heat shrinkable tubing.

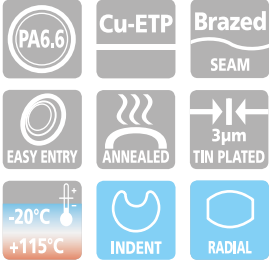
Furthermore the PA6.6 sleeve avoids the possibility of conductor breakage at the barrel entrance.

The operating temperature range is -4 to +239°F (Surge + 266°F).

In order to achieve the best electrical and mechanical performance it is suggested that they are crimped using dies and tools specifically developed for this purpose by Cembre.

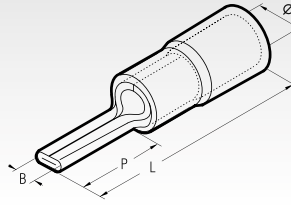
Details of the appropriate crimping tools and dies are shown on pages 236-237.

ANE-P



NYLON INSULATED PIN TERMINALS

for Copper conductors



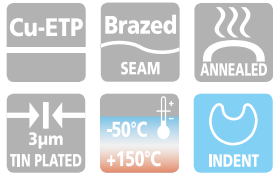
Conductor Size Flexible AWG	Type	Dimensions in.				Quantity Box/Bag	Mechanical Tools			Hydraulic Tools			
		Ø	B	P	L		HNN3	HNN4	TNN70	TNN120	B15MA	HT51 RH50 B500A B500NDA B550CA	B1300L-CA and similar tools for U dies
8	ANE2-P12	0.31	0.17	0.57	1.38	500/100							
6	ANE3-P14	0.36	0.22	0.71	1.62	400/100							
4	ANE5-P16	0.44	0.27	0.80	1.77	300/100							
2	ANE7-P20	0.54	0.31	0.96	2.17	150/50							

ANE-P series terminals are made from electrolytic Copper with a purity greater than 99.9%, rolled, Tin plated and brazed. The interior of the Nylon insulated sleeve is funnel shaped so as to en-

sure complete and easy introduction of the conductor strands. The operating temperature range is -4 to +239°F (Surge + 266°F). In order to achieve the best electrical and mechanical performance it

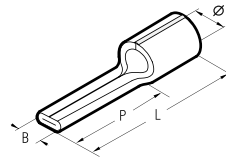
is suggested that they are crimped using dies and tools specifically developed for this purpose by Cembre. Details of the appropriate crimping tools and dies are shown on pages 236-237.

A-P



UNINSULATED PIN CONNECTORS

for Copper conductors

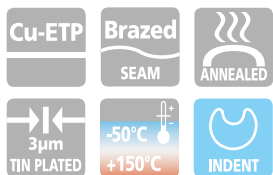


A-P series pin connectors are designed to terminate conductors into contact blocks. They are manufactured from Copper strip with a purity greater than 99.9%, rolled, brazed and Tin plated.

Details of the appropriate crimping tools and dies are shown on pages 232-233.

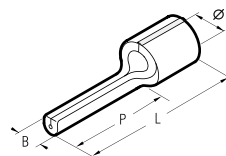
Conductor Size AWG	Type	Dimensions in.				Quantity Box/Bag	Mechanical Tools			Hydraulic Tools			
		Øi	B	P	L		HN1	HN5	HN-A25	HN70SEY	HN120SEY	B15MA	HT45-E B450ND-BVA HT51 RH50 B500A B500NDA B550CA
8	A2-P12	0.19	0.17	0.57	0.93	1,500/100							
6	A3-P14	0.23	0.22	0.71	1.10	1,000/100							
4	A5-P16	0.28	0.28	0.80	1.26	500/100							
2	A7-P20	0.35	0.31	0.96	1.54	500/100							
2-1/0	A10-P25	0.39	0.37	1.02	1.77	250/50							
1/0-2/0	A14-P30	0.45	0.43	1.22	2.17	200/50							

A-PR



UNINSULATED ROUND PIN CONNECTORS

for Copper conductors



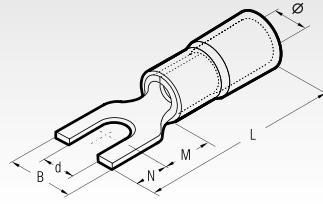
A-PR series pin connectors are designed to terminate conductors into contact blocks. They are manufactured from Copper strip with a purity greater than 99.9%, rolled, brazed and Tin plated.

Details of the appropriate crimping tools and dies are shown on pages 232-233.

Conductor Size AWG	Type	Dimensions in.				Quantity Box/Bag	Mechanical Tools			Hydraulic Tools			
		Øi	B	P	L		HN1	HN5	HN-A25	HN70SEY	HN120SEY	B15MA	HT45-E B450ND-BVA HT51 RH50 B500A B500NDA B550CA
6	A3-P22R	0.23	0.16	0.87	1.26	1,000/100							
4	A5-P22R	0.28	0.16	0.87	1.33	500/100							

NYLON INSULATED FORK TERMINALS

for Copper conductors

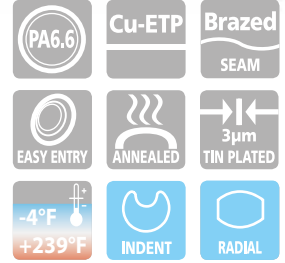


Conductor Size Flexible AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools			Hydraulic Tools						
			Ø	B	M	N	L	d		HNN3	HNN4	TNN70	TNN120	B15MA	RH50	B500A	B550CA	B1300L-CA and similar tools for U dies	ECW-H3D
8	#8	ANE2-U4	0.31	0.39	0.30	0.28	1.38	0.17	500/100	HNN3	HNN4	TNN70	TNN120	B15MA	RH50	B500A	B550CA	B1300L-CA and similar tools for U dies	ECW-H3D
	#10	ANE2-U5	0.31	0.45	0.30	0.28	1.38	0.21	500/100										
6	#8	ANE3-U4	0.36	0.39	0.39	0.31	1.62	0.17	400/100	HNN3	HNN4	TNN70	TNN120	B15MA	RH50	B500A	B550CA	B1300L-CA and similar tools for U dies	ECW-H3D
	#10	ANE3-U5	0.36	0.45	0.39	0.31	1.62	0.21	400/100										

ANE-U series terminals are made from electrolytic Copper with a purity greater than 99.9%, rolled, Tin plated and brazed. The interior of the Nylon insulated sleeve is funnel shaped so as to en-

sure complete and easy introduction of the conductor strands. The operating temperature range is -4 to +239°F (Surge + 266°F).. In order to achieve the best electrical and mechanical performance it

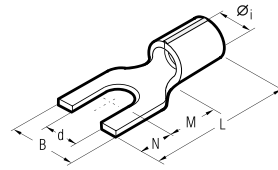
is suggested that they are crimped using dies and tools specifically developed for this purpose by Cembre. Details of the appropriate crimping tools and dies are shown on pages 236-237.



UNINSULATED FORK TERMINALS

for Copper conductors

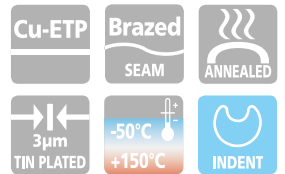
A-U series fork terminals are designed to terminate conductors into contact blocks. Made from electrolytic Copper strip with a purity greater than 99.9%, rolled and Tin plated.



The seam is brazed to provide uniform mechanical strength. The terminal barrel is rifled to enhance electrical contact and to improve mechanical strength. Recommended crimping tools are shown on pages 232-233.

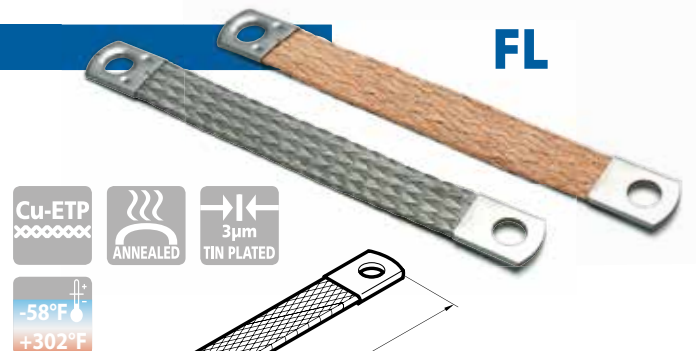


Conductor Size AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools			Hydraulic Tools									
			Øi	B	M	N	L	d		HNN1	HNN5	TN70SEY	TN120SEY	B15MA	HT45-E	B450ND-BVA	HT51	RH50	B500A	B550CA	B1300L-CA and similar tools for U dies	ECW-H3D
8	#8	A2-U4	0.19	0.39	0.30	0.28	0.93	0.17	1,500/100	HNN1	HNN5	TN70SEY	TN120SEY	B15MA	HT45-E	B450ND-BVA	HT51	RH50	B500A	B550CA	B1300L-CA and similar tools for U dies	ECW-H3D
	#10	A2-U5	0.19	0.45	0.30	0.28	0.93	0.21	1,500/100													
6	#8	A3-U4	0.23	0.39	0.39	0.31	1.10	0.17	1,000/100	HNN1	HNN5	TN70SEY	TN120SEY	B15MA	HT45-E	B450ND-BVA	HT51	RH50	B500A	B550CA	B1300L-CA and similar tools for U dies	ECW-H3D
	#10	A3-U5	0.23	0.45	0.39	0.31	1.10	0.21	1,000/100													



FLEXIBLE BRAIDS

Size AWG	Ø Stud in.	Type	Dimensions in.				Quantity
			B	N	L	d	
8	5/16"	FL10-150	0.67	0.39	5.91	0.33	50
	5/16"	FL10-200	0.67	0.39	7.87	0.33	50
	5/16"	FL10-250	0.67	0.39	9.84	0.33	50
	5/16"	FL16-150	0.67	0.39	5.91	0.33	50
	5/16"	FL16-200	0.67	0.39	7.87	0.33	50
6	5/16"	FL16-250	0.67	0.39	9.84	0.33	50
	5/16"	FL16-320	0.67	0.39	12.60	0.33	50
	5/16"	FL16-350	0.67	0.39	13.78	0.33	50
	5/16"	FL16-420	0.67	0.39	16.54	0.33	25
	5/16"	FL16-570	0.67	0.39	22.44	0.33	25
4	5/16"	FL16-660	0.67	0.39	25.98	0.33	25
	5/16"	FL25-150	0.83	0.39	5.91	0.33	50
	5/16"	FL25-200	0.83	0.39	7.87	0.33	50
	5/16"	FL25-250	0.83	0.39	9.84	0.33	50
	5/16"	FL25-300	0.83	0.39	11.81	0.33	50

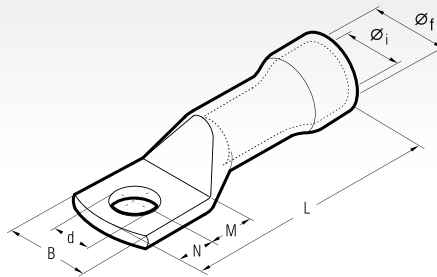


Flexible braids are manufactured from electrolytic Copper wire with a purity greater than 99.9%. Braids of different conductor sizes or lengths are available on request. Standard finish - bright Copper. Flexible braids can be supplied Tin plated, in this case add the suffix "ST" to reference. E.g.: - FL 10-150 (Bright Copper) - FL 10-150-ST (Tin plated)

2A.-M

COPPER TUBE TERMINALS

belled end



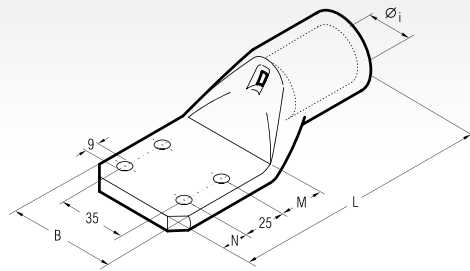
2A.-M series are made from high purity copper tube with a purity greater than 99.9%, annealed and tin plated. They feature a long belled barrel for enhanced electrical and mechanical performance in heavy duty applications on insulated cables. The absence of an inspection hole prevents the entry of water or moisture into the crimped joint making these terminals suitable for outdoor applications. Appropriate crimping tools and dies are shown in details on page 238.

Conductor Size (AWG)	Ø Stud in.	Type	Dimensions in.							Quantity Box/Bag	Hydraulic Tools
			Øf	Øi	B	M	N	L	d		
4	1/2"	2A55.15.3-M12	0.60	0.28	0.83	0.55	0.47	2.48	0.52	150/50	HT45-E B450ND-BVA HT51 RH50 B500A B550CA B1300L-CA and similar tools for U dies ECW-H3D RHU 520
2	3/8"	2A7.12-M10	0.47	0.35	0.83	0.43	0.39	2.20	0.41	200/50	
	1/2"	2A7.12-M12	0.47	0.35	0.83	0.55	0.47	2.40	0.52	200/50	
2-1/0	1/2"	2A10.14-M12	0.56	0.39	0.83	0.55	0.47	2.64	0.52	100/50	
1/0-2/0	1/2"	2A14.14-M12	0.55	0.44	0.87	0.55	0.47	2.83	0.52	100/50	
	1/2"	2A14.16-M12	0.63	0.44	0.87	0.55	0.47	2.80	0.52	100/50	
2/0-3/0	3/8"	2A19.19-M10	0.73	0.53	0.98	0.51	0.43	3.09	0.41	50/25	
	1/2"	2A19.19-M12	0.73	0.53	0.98	0.63	0.55	3.33	0.52	50/25	
3/0-250	3/8"	2A24.21-M10	0.81	0.60	1.12	0.51	0.43	3.31	0.41	50/25	
	1/2"	2A24.21-M12	0.81	0.60	1.12	0.63	0.55	3.54	0.52	50/25	
	5/8"	2A24.21-M16	0.81	0.60	1.12	0.71	0.63	3.70	0.67	50/25	
250-300 MCM	1/2"	2A30.23-M12	0.91	0.66	1.24	0.63	0.55	3.82	0.52	30/15	
300-350 MCM	1/2"	2A37.23-M12	0.91	0.76	1.40	0.63	0.55	3.78	0.52	30/15	
	1/2"	2A37.26-M12	1.02	0.76	1.40	0.63	0.55	3.82	0.52	30/15	
350-500 MCM	1/2"	2A48.33-M12	1.30	0.83	1.54	0.63	0.55	4.21	0.52	20/10	
500-600 MCM	1/2"	2A60.29-M12	1.18	0.93	1.73	0.79	0.55	5.00	0.52	20/5	

COPPER TUBE LUGS 4-ESI FIXING

for Copper conductors

A-4ESI



Conductor Size MCM	Type	Dimensions in.					Quantity Box/Bag	Hydraulic Tools							
		Ø	B	M	N	L									
300-350	A37-4ESI	0.76	2.40	0.79	0.59	4.88	20/10	HT51 B550CA RH-50 B500A HT81-U RHU81	B500NDA	RH-50	HT81-U	RHU81	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520
500	A48-4ESI	0.83	2.40	0.79	0.59	5.04	20/10								
600	A60-4ESI	1.07	2.40	0.79	0.59	5.24	15/5								
800	A80-4ESI	1.06	2.40	0.79	0.59	5.28	15/5								
1000	A100-4ESI	1.19	2.40	0.79	0.59	5.47	10/5								
1250	A120-4ESI	1.31	2.40	0.79	0.59	5.67	10/5								
1500	A160-4ESI	1.50	2.40	0.79	0.59	6.22	8/1								

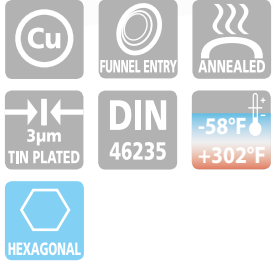
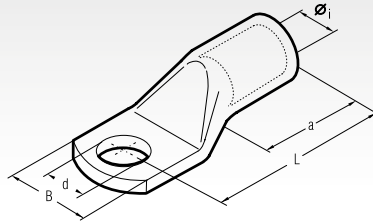


A-4ESI series lugs are made from high purity electrolytic Copper tube with a purity greater than 99.9%, annealed and Tin plated. The four hole stud fixing in accordance with E.A. specifications ensures compatibility with most transformer fixing arrangements.

Details of the appropriate crimping tools and dies are shown on pages 232-233.



for Copper conductors



DR series lugs are manufactured from electrolytic Copper tube with a purity greater than 99.9% and designed to obtain high electrical conductivity combined with the mechanical strength required to resist vibration and pull out.

Cembre lugs are annealed and Tin plated for improved surface protection.

The annealing process optimises the structural features of the material allowing easier crimping and greater resistance to mechanical stresses.

Dimensions are according to DIN 46235.

The barrel entrance of the lug is chamfered to allow easy conductor insertion, while its length facilitates precise positioning in the crimping die.

Each lug is marked with:

- Cembre logo and part code.
- conductor type and csa (mm²).
- stud Ø (mm).
- crimping die code

Details of the appropriate crimping tools and dies are shown on page 242.

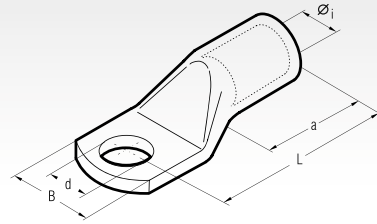
Consult us for special requirements

Conductor Size AWG	Ø Stud in.	Type	Code	Dimensions in.					Quantity Box/Bag	Mechanical Tools	Hydraulic Tools			
				Øi	d	L	B	a						
10	#10	DR6-5	5	0.15	0.21	0.94	0.33	0.39	800/100	HN-D25	B15MA			
	1/4"	DR6-6	5	0.15	0.25	0.94	0.35	0.39	800/100					
	5/16"	DR6-8*	5	0.15	0.33	1.02	0.51	0.39	800/100					
8	#10	DR10-5	6	0.18	0.21	1.08	0.39	0.39	800/100	TND 6-70	B15MA			
	1/4"	DR10-6	6	0.18	0.25	1.06	0.39	0.39	800/100					
	5/16"	DR10-8*	6	0.18	0.33	1.10	0.51	0.39	800/100					
6	3/8"	DR10-10*	6	0.18	0.41	1.12	0.59	0.39	800/100	TND 10-120	HT45-E B450ND-BVA	HT51 RH50	B1300L-CA and similar tools for U dies	RHU520
	1/4"	DR16-6	8	0.22	0.25	1.42	0.51	0.79	400/100					
	5/16"	DR16-8	8	0.22	0.33	1.46	0.51	0.79	400/100					
4	3/8"	DR16-10	8	0.22	0.41	1.57	0.67	0.79	400/100	TND 10-120	HT45-E B450ND-BVA	HT51 RH50	B1300L-CA and similar tools for U dies	RHU520
	1/2"	DR16-12*	8	0.22	0.51	1.61	0.75	0.79	400/100					
	1/4"	DR25-6	10	0.28	0.25	1.54	0.57	0.79	400/100					
2	5/16"	DR25-8	10	0.28	0.33	1.56	0.63	0.79	400/100	TND 10-120	HT45-E B450ND-BVA	HT51 RH50	B1300L-CA and similar tools for U dies	RHU520
	3/8"	DR25-10	10	0.28	0.41	1.57	0.67	0.79	200/100					
	1/2"	DR25-12	10	0.28	0.51	1.59	0.75	0.79	200/100					
1/0	1/4"	DR35-6*	12	0.32	0.25	1.67	0.69	0.79	200/100	TND 10-120	HT45-E B450ND-BVA	HT51 RH50	B1300L-CA and similar tools for U dies	RHU520
	5/16"	DR35-8	12	0.32	0.33	1.65	0.67	0.79	200/100					
	3/8"	DR35-10	12	0.32	0.41	1.69	0.75	0.79	200/100					
2/0	1/2"	DR35-12	12	0.32	0.51	1.69	0.83	0.79	200/100	TND 10-120	HT45-E B450ND-BVA	HT51 RH50	B1300L-CA and similar tools for U dies	RHU520
	5/8"	DR35-16*	12	0.32	0.67	1.73	1.10	0.79	200/100					
	1/4"	DR50-6*	14	0.39	0.25	2.05	0.79	1.10	100/25					
3/0	5/16"	DR50-8	14	0.39	0.33	2.05	0.79	1.10	100/25	TND 10-120	HT45-E B450ND-BVA	HT51 RH50	B1300L-CA and similar tools for U dies	RHU520
	3/8"	DR50-10	14	0.39	0.41	2.09	0.87	1.10	100/25					
	1/2"	DR50-12	14	0.39	0.51	2.09	0.94	1.10	100/25					
250 MCM	5/8"	DR50-16	14	0.39	0.67	2.24	1.10	1.10	100/25	TND 10-120	HT45-E B450ND-BVA	HT51 RH50	B1300L-CA and similar tools for U dies	RHU520
	5/16"	DR70-8	16	0.45	0.33	2.20	0.94	1.10	50/25					
	3/8"	DR70-10	16	0.45	0.41	2.20	0.94	1.10	50/25					
300 MCM	1/2"	DR70-12	16	0.45	0.51	2.20	0.94	1.10	50/25	TND 10-120	HT45-E B450ND-BVA	HT51 RH50	B1300L-CA and similar tools for U dies	RHU520
	5/8"	DR70-16	16	0.45	0.67	2.36	1.18	1.10	50/25					
	3/4"	DR70-20*	16	0.45	0.83	3.33	1.18	1.10	50/25					
350 MCM	5/16"	DR95-8*	18	0.53	0.33	2.56	1.10	1.38	50/25	TND 10-120	HT45-E B450ND-BVA	HT51 RH50	B1300L-CA and similar tools for U dies	RHU520
	3/8"	DR95-10	18	0.53	0.41	2.60	1.10	1.38	50/25					
	1/2"	DR95-12	18	0.53	0.51	2.60	1.10	1.38	50/25					
500 MCM	5/8"	DR95-16	18	0.53	0.67	2.58	1.26	1.38	50/25	TND 10-120	HT45-E B450ND-BVA	HT51 RH50	B1300L-CA and similar tools for U dies	RHU520
	3/4"	DR95-20*	18	0.53	0.83	2.80	1.30	1.38	50/25					
	5/16"	DR120-8*	20	0.61	0.33	2.76	1.22	1.38	50/25					
	3/8"	DR120-10	20	0.61	0.41	2.76	1.26	1.38	50/25	TND 10-120	HT45-E B450ND-BVA	HT51 RH50	B1300L-CA and similar tools for U dies	RHU520
	1/2"	DR120-12	20	0.61	0.51	2.78	1.26	1.38	50/25					
	5/8"	DR120-16	20	0.61	0.67	2.76	1.26	1.38	50/25					
	3/4"	DR120-20	20	0.61	0.83	2.83	1.42	1.38	50/25	TND 10-120	HT45-E B450ND-BVA	HT51 RH50	B1300L-CA and similar tools for U dies	RHU520
	3/8"	DR150-10	22	0.67	0.41	3.11	1.34	1.38	50/25					
	1/2"	DR150-12	22	0.67	0.51	3.09	1.34	1.38	40/20					
	5/8"	DR150-16	22	0.67	0.67	3.07	1.34	1.38	40/20	TND 10-120	HT45-E B450ND-BVA	HT51 RH50	B1300L-CA and similar tools for U dies	RHU520
	3/4"	DR150-20	22	0.67	0.83	3.07	1.57	1.38	50/25					
	3/8"	DR185-10	25	0.75	0.41	3.27	1.46	1.57	25/25					
	1/2"	DR185-12	25	0.75	0.51	3.25	1.46	1.57	25/25	TND 10-120	HT45-E B450ND-BVA	HT51 RH50	B1300L-CA and similar tools for U dies	RHU520
	5/8"	DR185-16	25	0.75	0.67	3.23	1.46	1.57	25/25					
	3/4"	DR185-20	25	0.75	0.83	3.27	1.57	1.57	25/25					
	3/8"	DR240-10*	28	0.85	0.41	3.62	1.65	1.57	20/10	TND 10-120	HT45-E B450ND-BVA	HT51 RH50	B1300L-CA and similar tools for U dies	RHU520
	1/2"	DR240-12	28	0.85	0.51	3.62	1.67	1.57	20/10					
	5/8"	DR240-16	28	0.85	0.67	3.62	1.67	1.57	20/10					
	3/4"	DR240-20	28	0.85	0.83	3.62	1.77	1.57	20/10	TND 10-120	HT45-E B450ND-BVA	HT51 RH50	B1300L-CA and similar tools for U dies	RHU520

*Dimensions of the tube according to DIN 46235; Stud hole not included within the standard.

COPPER TUBE CRIMPING LUGS ACCORDING TO DIN 46235

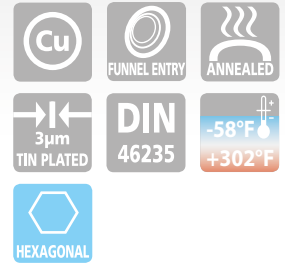
for Copper conductors



Conductor Size AWG	Ø Stud in.	Type	Code	Dimensions in.					Quantity Box/Bag	Hydraulic Tools		
				Øi	d	L	B	a		RH50 B500A B500NDA	B1300L-CA and similar tools for U dies	ECW-H3D RHU520
600 MCM	1/2"	DR300-12*	32	0.96	0.51	4.09	1.85	1.97	10/5			
	5/8"	DR300-16	32	0.96	0.67	3.94	1.89	1.97	10/5			
	3/4"	DR300-20	32	0.96	0.83	3.94	1.85	1.97	10/5			
800 MCM	1/2"	DR400-12*	38	1.08	0.51	4.61	2.17	2.76	5/5			
	5/8"	DR400-16	38	1.08	0.67	4.61	2.17	2.76	5/5			
	3/4"	DR400-20	38	1.08	0.83	4.61	2.17	2.76	5/5			
1000 MCM	1/2"	DR500-12*	42	1.22	0.51	5.12	2.36	2.76	5/5			
	5/8"	DR500-16*	42	1.22	0.67	5.12	2.36	2.76	5/5			
	3/4"	DR500-20	42	1.22	0.83	5.12	2.36	2.76	5/5			
1250 MCM	3/4"	DR625-20	44	1.36	0.83	5.31	2.48	3.15	5/5			
1500 MCM	3/4"	DR800-20	52	1.73	0.83	6.53	2.95	3.94	5/5			
2000 MCM	3/4"	DR1000-20	58	1.73	0.83	6.53	3.35	3.94	5/5			

* Dimensions of the tube according to DIN 46235; Stud hole not included within the standard.

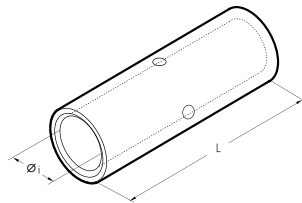
DR



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CRIMPING THROUGH CONNECTORS ACCORDING TO DIN 46267 T.1

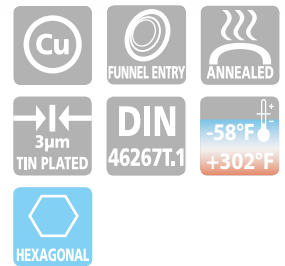
for Copper conductors



Conductor Size AWG	Type	Code	Dimensions in.		Quantity Box/Bag	Mechanical Tools	Hydraulic Tools							
			Øi	L			RH50 B500A B500NDA	RHU81	B1300L-CA and similar tools for U dies	ECW-H3D RHU520				
10	DSV6	5	0.15	1.18	1,200/100	HN-D25					TND6-70	B15MA	HT45-E B450ND-BVA	HT51 B550CA
8	DSV10	6	0.17	1.18	1,200/100									
6	DSV16	8	0.22	1.97	400/100	TND10-120								
4	DSV25	10	0.28	1.97	200/100									
2	DSV35	12	0.32	1.97	200/100									
1/0	DSV50	14	0.39	2.20	200/50									
2/0	DSV70	16	0.45	2.20	100/50									
3/0	DSV95	18	0.53	2.76	100/50									
250 MCM	DSV120	20	0.61	2.76	50/25									
300 MCM	DSV150	22	0.67	3.15	50/25									
350 MCM	DSV185	25	0.75	3.35	25/25									
500 MCM	DSV240	28	0.85	3.54	15/15									
600 MCM	DSV300	32	0.96	3.94	10/5									
800 MCM	DSV400	38	1.08	5.91	10/5									
1000 MCM	DSV500	42	1.22	6.30	5/5									
1250 MCM	DSV625	44	1.36	6.30	5/5									
1500 MCM	DSV800	52	1.57	7.87	5/5									
2000 MCM	DSV1000	58	1.73	7.87	5/5									



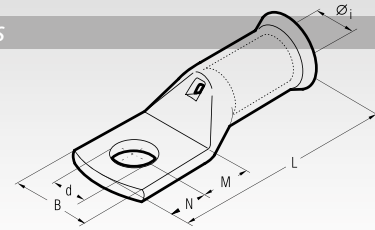
DSV



DSV series through connectors are manufactured from electrolytic Copper tube with a purity greater than 99.9%, annealed and surface protected by tin plating. Internal and external dimensions match those of DR series lugs. Chamfered ends and a central stop provide easy and correct insertion of the conductor. Details of the appropriate crimping tools and dies are shown on page 242.

Consult us for special requirements

for Copper conductors



T-M series lugs are manufactured from electrolytic Copper tube with a purity greater than 99.9%. The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

Cembre lugs are annealed to guarantee optimum ductility which is an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.

In applications subject to vibration, lugs still have to provide a reliable connection and annealing plays a vital role in avoiding cracking or breaks between the barrel and palm.

The insertion of the cable is facilitated by a tulip out. The presence of an inspection hole facilitates full insertion of the conductor, whilst the barrel length has been designed to allow easy and accurate positioning of the dies during the crimping operation.

Lugs are electrolytically Tin plated to avoid oxidation. Our technicians are always available to provide any technical advice which may be required.

The enclosed table is only indicative of the range and many variations in stud fixing and palm lengths are also available.

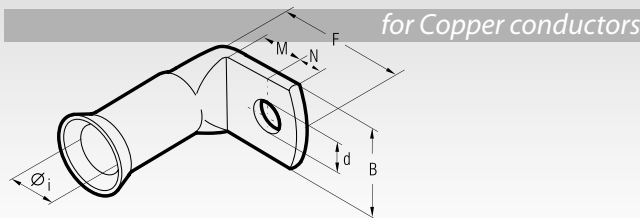
Details of the appropriate crimping tools and dies are shown on pages 234 to 235.

Conductor Size AWG	Ø Stud in.	Type	Dimensions in.							Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
			Øi	B	M	N	L	d				
12	#8	T4-M4	0.11	0.35	0.28	0.24	1.08	0.17	1,200/100	HN1	B15MA	
		T4-M5	0.11	0.35	0.28	0.24	1.08	0.20	2,000/100			
		T4-M6	0.11	0.47	0.35	0.31	1.26	0.25	1,200/100			
12÷10	#8	T6-M4	0.13	0.39	0.26	0.24	1.18	0.17	1,200/100	HN1	B15MA	
		T6-M5	0.13	0.51	0.26	0.24	1.18	0.20	1,200/100			
		T6-M6	0.13	0.51	0.35	0.31	1.36	0.25	800/100			
8	#10	T6-M8	0.13	0.51	0.43	0.39	1.52	0.33	800/100	HN1	B15MA	
		T10-M5	0.17	0.43	0.26	0.24	1.18	0.20	800/100			
		T10-M6	0.17	0.43	0.35	0.31	1.36	0.25	800/100			
6	#10	T10-M8	0.17	0.55	0.43	0.39	1.52	0.33	800/100	HN5	B15MA	
		T16-M5	0.21	0.47	0.26	0.24	1.34	0.20	800/100			
		T16-M6	0.21	0.47	0.35	0.31	1.52	0.25	400/100			
4	#10	T16-M8	0.21	0.63	0.43	0.39	1.67	0.33	400/100	HN-T25	B15MA	
		T16-M10	0.21	0.63	0.55	0.47	1.87	0.41	400/100			
		T25-M5	0.26	0.51	0.26	0.24	1.4	0.20	400/100			
2	#10	T25-M6	0.26	0.51	0.35	0.31	1.57	0.25	400/100	TN70SEY	B15MA	
		T25-M8	0.26	0.63	0.43	0.39	1.73	0.33	400/100			
		T25-M10	0.26	0.63	0.55	0.47	1.93	0.41	400/100			
1/0	1/2"	T25-M12	0.26	0.75	0.71	0.63	2.24	0.50	200/50	TN120SEY	B15MA	
		T35-M6	0.31	0.59	0.35	0.31	1.61	0.25	200/50			
		T35-M8	0.31	0.67	0.43	0.39	1.77	0.33	200/50			
2/0	3/8"	T35-M10	0.31	0.67	0.55	0.47	1.97	0.41	200/50	TN120SEY	B15MA	
		T35-M12	0.31	0.67	0.71	0.63	2.28	0.50	200/50			
		T50-M6	0.36	0.71	0.35	0.31	1.83	0.25	200/25			
3/0	5/16"	T50-M8	0.36	0.71	0.43	0.39	1.99	0.33	200/25	TN120SEY	B15MA	
		T50-M10	0.36	0.71	0.55	0.47	2.19	0.41	200/25			
		T70-M8	0.43	0.83	0.43	0.39	2.13	0.33	100/25			
250 MCM	3/8"	T70-M10	0.43	0.83	0.55	0.47	2.32	0.41	100/25	TN120SEY	B15MA	
		T70-M12	0.43	0.83	0.71	0.63	2.64	0.50	100/25			
		T95-M8	0.52	0.91	0.43	0.39	2.36	0.33	80/20			
300 MCM	5/16"	T95-M10	0.52	0.91	0.55	0.47	2.56	0.41	80/20	TN120SEY	B15MA	
		T95-M12	0.52	0.91	0.71	0.63	2.87	0.50	80/20			
		T95-M14	0.52	0.91	0.71	0.63	2.87	0.57	80/20			
350 MCM	3/8"	T95-M16	0.52	0.91	0.75	0.67	2.95	0.65	80/20	TN120SEY	B15MA	
		T120-M8	0.57	1.10	0.43	0.39	2.48	0.33	100/25			
		T120-M10	0.57	1.10	0.55	0.47	2.68	0.41	50/25			
500 MCM	5/16"	T120-M12	0.57	1.10	0.71	0.63	2.99	0.50	50/25	TN120SEY	B15MA	
		T120-M14	0.57	1.10	0.71	0.63	2.99	0.57	50/25			
		T120-M16	0.57	1.10	0.75	0.67	3.07	0.65	50/25			
600 MCM	3/8"	T150-M8	0.64	1.18	0.43	0.39	2.85	0.33	40/10	TN120SEY	B15MA	
		T150-M10	0.64	1.18	0.55	0.47	3.05	0.41	40/10			
		T150-M12	0.64	1.18	0.71	0.63	3.37	0.50	40/10			
800 MCM	5/16"	T150-M14	0.64	1.18	0.71	0.63	3.37	0.57	40/10	TN120SEY	B15MA	
		T150-M16	0.64	1.18	0.75	0.67	3.44	0.65	40/10			
		T185-M10	0.71	1.30	0.55	0.47	3.29	0.41	40/10			
500 MCM	1/2"	T185-M12	0.71	1.30	0.71	0.63	3.60	0.50	40/10	TN120SEY	B15MA	
		T185-M14	0.71	1.30	0.71	0.63	3.60	0.57	40/10			
		T185-M16	0.71	1.30	0.75	0.67	3.68	0.65	40/10			
600 MCM	3/8"	T240-M10	0.81	1.46	0.51	0.43	3.44	0.41	20/10	TN120SEY	B15MA	
		T240-M12	0.81	1.46	0.63	0.55	3.68	0.50	20/10			
		T240-M14	0.81	1.46	0.71	0.63	3.84	0.57	20/10			
800 MCM	5/8"	T240-M16	0.81	1.46	0.75	0.67	3.92	0.65	20/10	TN120SEY	B15MA	
		T240-M20	0.81	1.46	0.87	0.79	4.15	0.83	20/10			
		T300-M10	0.91	1.61	0.55	0.43	3.74	0.41	20/5			
500 MCM	1/2"	T300-M12	0.91	1.61	0.79	0.55	4.09	0.50	20/5	TN120SEY	B15MA	
		T300-M14	0.91	1.61	0.87	0.63	4.25	0.57	20/5			
		T300-M16	0.91	1.61	0.87	0.75	4.37	0.65	20/5			
600 MCM	3/4"	T300-M20	0.91	1.61	0.94	0.91	4.61	0.83	10/5	TN120SEY	B15MA	
		T400-M14	1.03	1.85	0.87	0.75	4.69	0.57	10/5			
		T400-M16	1.03	1.85	0.87	0.75	4.69	0.65	10/5			
800 MCM	3/4"	T400-M20	1.03	1.85	0.94	0.91	4.92	0.83	10/5	TN120SEY	B15MA	

HT45-E B450ND-BVA
HT51 B55OCA
RH50 B500A B500NDA
HT81-U RHU81
B1300L-CA and similar tools for U dies
ECW-H3D
RHU520

COPPER TUBE CRIMPING LUGS ANGLED 90°

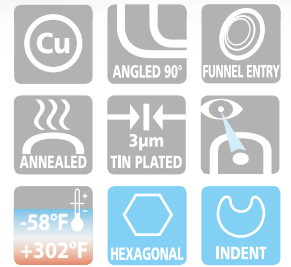
T-L



for Copper conductors



Conductor Size AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
			Øi	B	M	N	F*	d			
12÷10	1/4"	T6-L6	0.13	0.51	0.35	0.32	0.93	0.25	800/100	HN1	B15MA
	#10	T10-L5	0.17	0.43	0.24	0.24	0.80	0.21	800/100		
8	1/4"	T10-L6	0.17	0.43	0.32	0.32	0.98	0.25	800/100	HN5	B15MA
	5/16"	T10-L8	0.17	0.55	0.43	0.39	1.13	0.33	800/100		
6	1/4"	T16-L6	0.21	0.47	0.35	0.32	1.04	0.25	400/100	HN-T25	B15MA
	5/16"	T16-L8	0.21	0.63	0.43	0.39	1.20	0.33	400/100		
4	1/4"	T25-L6	0.26	0.51	0.35	0.32	1.10	0.25	400/100	TN70SEY	B15MA
	5/16"	T25-L8	0.26	0.63	0.43	0.39	1.26	0.33	400/100		
2	3/8"	T25-L10	0.26	0.63	0.55	0.47	1.46	0.41	400/100	TN120SEY	B15MA
	1/4"	T35-L6	0.31	0.59	0.35	0.32	1.16	0.25	400/50		
1/0	5/16"	T35-L8	0.31	0.67	0.43	0.39	1.32	0.33	200/50	TN120SEY	B15MA
	3/8"	T35-L10	0.31	0.67	0.55	0.47	1.52	0.41	200/50		
2/0	1/4"	T50-L6	0.36	0.71	0.35	0.32	1.24	0.25	100/25	TN120SEY	B15MA
	5/16"	T50-L8	0.36	0.71	0.39	0.39	1.40	0.33	200/25		
3/0	3/8"	T50-L10	0.36	0.71	0.55	0.47	1.59	0.41	100/25	TN120SEY	B15MA
	5/16"	T70-L8	0.43	0.83	0.43	0.39	1.52	0.33	100/25		
250 MCM	3/8"	T70-L10	0.43	0.83	0.55	0.47	1.71	0.41	100/25	TN120SEY	B15MA
	1/2"	T70-L12	0.43	0.83	0.71	0.63	2.03	0.50	100/25		
300 MCM	5/16"	T95-L8	0.52	0.91	0.43	0.39	1.61	0.33	100/25	TN120SEY	B15MA
	3/8"	T95-L10	0.52	0.91	0.55	0.47	1.81	0.41	100/25		
350 MCM	1/2"	T95-L12	0.52	0.91	0.71	0.63	2.13	0.50	100/25	TN120SEY	B15MA
	3/8"	T120-L10	0.57	1.10	0.55	0.47	1.89	0.41	50/25		
250 MCM	1/2"	T120-L12	0.57	1.10	0.71	0.63	2.21	0.50	50/25	TN120SEY	B15MA
	3/8"	T150-L10	0.64	1.18	0.55	0.47	1.97	0.41	40/10		
300 MCM	1/2"	T150-L12	0.64	1.18	0.71	0.63	2.28	0.50	40/10	TN120SEY	B15MA
	3/8"	T185-L10	0.71	1.30	0.55	0.47	2.05	0.41	40/10		



T-L series lugs angled 90° are manufactured from electrolytic Copper tube with a purity greater than 99.9%.

T-L series lugs having the same dimensions and characteristics as T-M series lugs.

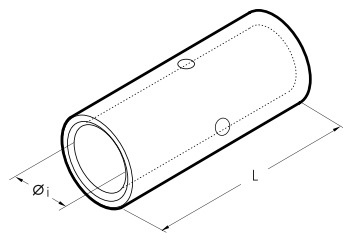
F* = indicative dimension

Details of the appropriate crimping tools and dies are shown on pages 234 to 235.

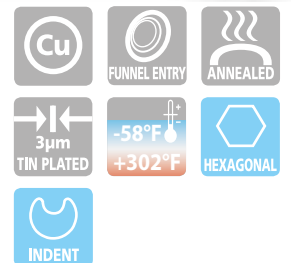
CRIMPING THROUGH CONNECTORS

L-T

for Copper conductors



Total Conductor Size AWG		Type	Dimensions in.		Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
Low Stranded	Flexible		Øi	L			
12	12	L4-T	0.11	0.87	2,000/100	HN1	B15MA
12÷10	12÷10	L6-T	0.13	0.98	1,500/100		
8	8	L10-T	0.17	1.06	1,000/100	HN5	B15MA
6	6	L16-T	0.21	1.22	500/100		
4	4	L25-T	0.26	1.38	500/100	HN-A25	B15MA
2	4	L35-T	0.31	1.46	250/50		
1/0	2	L50-T	0.36	1.77	250/50	TN70SEY	B15MA
2/0	1/0	L70-T	0.43	1.97	200/50		
3/0	2/0	L95-T	0.52	2.2	100/25	TN120SEY	B15MA
250 MCM	3/0	L120-T	0.57	2.36	100/25		
300 MCM	250 MCM	L150-T	0.64	2.6	50/25	TN120SEY	B15MA
350 MCM	300 MCM	L185-T	0.71	2.95	50/25		
500 MCM	350 MCM	L240-T	0.81	3.15	30/15	TN120SEY	B15MA
600 MCM	500 MCM	L300-T	0.91	3.54	20/10		
800 MCM	600 MCM	L400-T	1.03	3.94	20/5	TN120SEY	B15MA

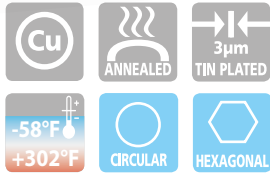
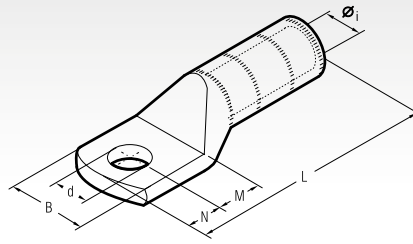


Made of electrolytic Copper tube with a purity greater than 99.9%, having the same dimensions as T-M series lugs, L-T connectors are annealed and electrolytically Tin plated.

They feature an internal taper to ease the introduction of the conductor. Details of the appropriate crimping tools and dies are shown on pages 234 to 235.

CA-M 2A-M

HIGH VOLTAGE COPPER TERMINALS



Series CA-M and 2A-M terminals are designed for high voltage applications up to 33 kV. They are manufactured from high purity Copper tube with a purity greater than 99.9%, annealed and Tin plated. The extended barrel enhances both electrical and mechanical performance. The absence of an inspection hole prevents moisture entry into the crimped joint and makes these terminals suitable for outdoor applications. Details of the appropriate crimping tools and dies are shown on page 238.

Conductor Size sqmm	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Hydraulic Tools
			Ø1	B	M	N	L	d		
25 R	5/16"	CA25-M8	0.27	0.55	0.35	0.31	2.56	0.33	300/50	HT51 RH50 B500A B550CA HT81-U RHU81 B1300L-CA and similar tools for U dies ECW-H3D RHU520
	3/8"	CA25-M10	0.27	0.71	0.51	0.43	2.83	0.41	200/50	
	1/2"	CA25-M12	0.27	0.83	0.63	0.55	3.07	0.52	150/50	
30 RC/S ÷ 40 S	1/2"	CA40S-M12	0.32	0.83	0.63	0.55	3.11	0.52	100/50	
	5/8"	CA40S-M16	0.32	1.02	0.75	0.67	3.35	0.67	100/50	
50 RC	1/2"	CA50R-M12	0.34	0.81	0.63	0.55	3.11	0.52	100/50	
50 S	1/2"	CA50S-M12	0.37	0.83	0.63	0.55	3.11	0.52	100/50	
	5/8"	CA50S-M16	0.37	1.02	0.75	0.67	3.35	0.67	100/50	
63 S ÷ 70 S	1/2"	CA70S-M12	0.43	1.10	0.63	0.55	3.20	0.52	50/25	
	1/2"	CA70S-M16	0.43	1.18	0.75	0.67	3.43	0.67	50/25	
80 S ÷ 95 RC	1/2"	CA95R-M12	0.47	1.10	0.63	0.55	3.58	0.52	30/15	
	9/16"	CA95R-M14	0.47	1.10	0.71	0.63	3.74	0.59	50/25	
95 S ÷ 100 S	1/2"	CA95S-M12	0.53	1.10	0.63	0.55	3.58	0.52	30/15	
	9/16"	CA95S-M14	0.53	1.14	0.71	0.63	3.72	0.59	50/25	
	5/8"	CA95S-M16	0.53	1.18	0.79	0.67	3.82	0.67	50/25	
120 RC/S ÷ 150 RC	1/2"	CA150R-M12	0.59	1.22	0.63	0.55	3.82	0.52	30/15	
	9/16"	CA150R-M14	0.59	1.22	0.71	0.63	3.98	0.59	30/15	
150 S ÷ 160 RC	1/2"	CA150S-M12	0.65	1.26	0.63	0.55	3.82	0.52	30/15	
	9/16"	CA150S-M14	0.65	1.26	0.71	0.63	3.98	0.59	30/15	
160 S ÷ 200 RC	9/16"	CA200R-M14	0.67	1.28	0.71	0.63	3.98	0.59	30/15	
200 S ÷ 240 RC	9/16"	CA240R-M14	0.76	1.69	0.71	0.63	4.21	0.59	15/5	
240 S ÷ 315 RC	9/16"	CA315R-M14	0.84	1.69	0.71	0.63	4.13	0.59	15/5	
315 S	9/16"	CA315S-M14	0.93	1.73	0.71	0.63	4.13	0.59	15/5	
	9/16"	2A80-M14*	1.10	2.01	0.87	0.75	5.51	0.59	15/5	
	5/8"	2A80-M16*	1.10	2.01	0.87	0.75	5.51	0.67	15/5	
400 R	3/4"	2A80-M20*	1.10	2.01	0.94	0.91	5.75	0.83	15/5	
	5/8"	2A100-M16	1.20	2.22	0.87	0.75	5.79	0.67	10/1	
500 R	3/4"	2A100-M20	1.20	2.22	0.94	0.91	6.02	0.83	10/1	
	5/8"	2A120-M16	1.31	2.42	0.87	0.75	6.26	0.67	20/1	
600 R ÷ 630 R	5/8"	2A120-M16	1.31	2.42	0.87	0.75	6.26	0.67	20/1	
	3/4"	2A120-M20	1.31	2.42	0.94	0.91	6.50	0.83	20/1	

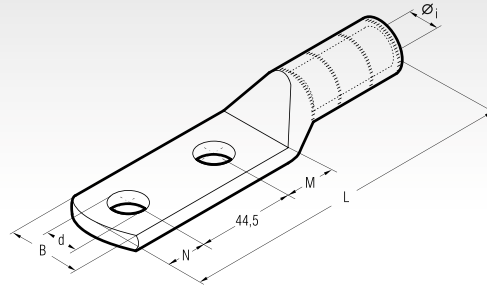
*UL marking

R = Round conductors RC = Round Compact conductors S = Sector shaped conductors

HIGH VOLTAGE TERMINALS

two hole fixing

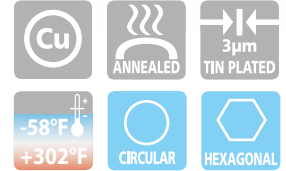
CA-2M 2A-2M



Conductor Size sqmm	Ø Stud in.	Type	Dimensions in.							Quantity Box/Bag	Hydraulic Tools
			Øi	B	M	N	L	d			
25 R	5/16"	CA25-2M8	0.27	0.55	0.39	0.43	4.47	0.33	200/50	HT51 RH50 B500A B500NDA B550CA HT81-U RHU81 B1300L-CA and similar tools for U dies ECW-HBD RHU520	
	1/2"	CA25-2M12	0.27	0.83	0.63	0.55	4.82	0.52	100/50		
30 RC/S ÷ 40 S	1/2"	CA40S-2M12	0.32	0.85	0.63	0.55	4.86	0.52	100/50		
50 RC	1/2"	CA50R-2M12	0.34	0.81	0.63	0.55	4.86	0.52	100/50		
50 S	1/2"	CA50S-2M12	0.37	0.83	0.63	0.55	4.86	0.52	100/50		
63 S ÷ 70 S	1/2"	CA70S-2M12	0.43	1.02	0.63	0.55	5.03	0.52	50/25		
80 S ÷ 95 RC	9/16"	CA95R-2M14	0.47	1.10	0.71	0.63	5.49	0.59	30/15		
95 S ÷ 100 S	9/16"	CA95S-2M14	0.53	1.14	0.71	0.63	5.49	0.59	30/15		
120 RC/S ÷ 150 RC	9/16"	CA150R-2M14	0.59	1.22	0.71	0.63	5.73	0.59	30/15		
150 S ÷ 160 RC	9/16"	CA150S-2M14	0.65	1.26	0.71	0.63	5.73	0.59	30/15		
160 S ÷ 200 RC	9/16"	CA200R-2M14	0.67	1.28	0.71	0.63	5.71	0.59	30/15		
200 S ÷ 240 RC	9/16"	CA240R-2M14	0.76	1.69	0.71	0.63	5.96	0.59	15/5		
240 S ÷ 315 RC	9/16"	CA315R-2M14	0.84	1.69	0.71	0.63	5.89	0.59	20/5		
315 S	9/16"	CA315S-2M14	0.93	1.73	0.71	0.63	5.89	0.59	20/5		
400 R	1/2"	2A80-2M12*	1.10	2.01	0.79	0.55	6.99	0.52	15/5		
	9/16"	2A80-2M14*	1.10	2.01	0.87	0.63	7.15	0.59	15/5		
	5/8"	2A80-2M16*	1.10	2.01	0.87	0.75	7.26	0.67	15/5		
500 R	9/16"	2A100-2M14	1.20	2.22	0.87	0.63	7.18	0.59	10/5		
	5/8"	2A100-2M16	1.20	2.22	0.87	0.75	7.30	0.67	10/5		
600 R ÷ 630 R	9/16"	2A120-2M14	1.31	2.42	0.87	0.63	7.89	0.59	15/5		
	5/8"	2A120-2M16	1.31	2.42	0.87	0.75	7.97	0.67	15/5		

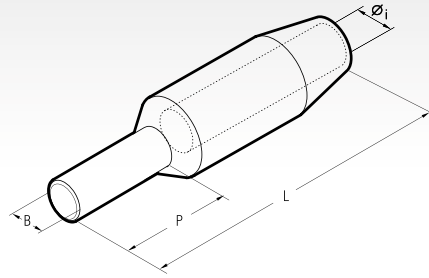
*UL marking

R = Round conductors RC = Round Compact conductors S = Sector shaped conductors



CA-2M and 2A-2M Copper Tube Terminal Lugs are designed for high voltage applications up to 33kV. Manufactured from high purity Copper tube with a purity greater than 99.99%, annealed and Tin plated. The extended barrel enhances electrical and mechanical performance. The absence of an inspection hole prevents moisture entry into the crimped joint. Featuring an extended palm with two fixing holes at 44.5 mm centres.

Details of the appropriate crimping tools and dies are shown on page 238.



MT-C series connectors are designed for high voltage applications up to 33 kV.

They are manufactured from high purity Copper with a purity greater than 99.9%, annealed and Tin plated. The extended barrel enhances both electrical and mechanical performance.

The stalk or pin makes these connectors ideal for terminating conductors into contact blocks.

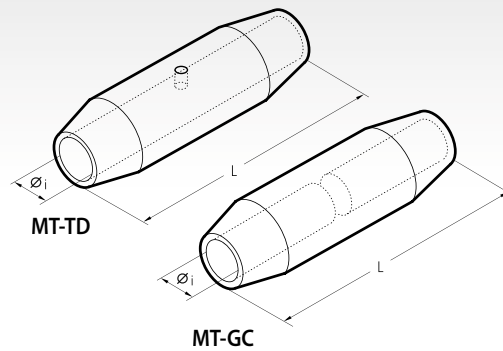
Details of the appropriate crimping tools and dies are shown on page 238.

Conductor Size sqmm	Type	Dimensions in.				Quantity Box/Bag	Hydraulic Tools				
		Øi	B	P	L						
25 R	MT25-C8	0.27	0.31	1.38	3.15	90/3	HT51 RH50 RH500A B500NDA B550CA	HT81-U RHU81	BT 300L-CA and similar tools for U dies	ECW-H3D	RHU520
	MT40S-C8	0.32	0.31	1.38	3.15	90/3					
30 RC/S ÷ 40 S	MT40S-C10	0.32	0.39	1.38	3.15	90/3					
	MT40S-C14-80	0.32	0.55	3.15	4.84	30/3					
50 RC	MT50R-C8	0.35	0.31	1.38	3.15	90/3					
	MT50R-C10	0.35	0.39	1.38	3.15	90/3					
50 S	MT50S-C8	0.37	0.31	1.38	3.15	90/3					
	MT50S-C10	0.37	0.39	1.38	3.15	90/3					
	MT50S-C14-80	0.37	0.55	3.15	4.84	30/3					
63 S ÷ 70 S	MT70S-C10	0.44	0.39	1.38	3.54	30/3					
80 S ÷ 95 RC	MT95R-C10	0.47	0.39	1.77	4.33	60/3					
	MT95R-C12	0.47	0.47	1.77	4.33	60/3					
95 S ÷ 100 S	MT95S-C10	0.53	0.39	1.77	4.33	60/3					
	MT95S-C12	0.53	0.47	1.77	4.33	60/3					
	MT95S-C14-80	0.53	0.55	3.15	5.71	60/3					
120 RC/S ÷ 150 RC	MT150R-C12	0.59	0.47	1.77	4.33	60/3					
	MT150R-C16	0.59	0.63	1.77	4.33	30/3					
	MT150S-C12	0.65	0.47	1.77	4.33	60/3					
150 S ÷ 160 RC	MT150S-C14-80	0.65	0.55	3.15	5.71	45/3					
	MT150S-C16	0.65	0.63	1.77	4.33	60/3					
	MT200R-C10	0.67	0.39	1.77	4.33	30/3					
160 S ÷ 200 RC	MT200R-C16	0.67	0.63	1.77	4.33	30/3					
	MT240R-C12	0.77	0.47	1.97	4.53	30/3					
200 S ÷ 240 RC	MT240R-C16	0.77	0.63	1.97	4.53	30/3					
	MT315R-C16	0.85	0.63	1.97	4.53	30/3					
315 S	MT315S-C16	0.94	0.63	2.36	5.12	30/3					

R = Round conductors RC = Round Compact conductors S = Sector shaped conductors

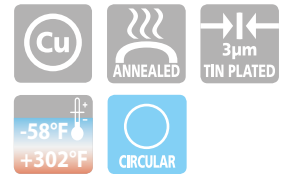
HIGH VOLTAGE COPPER THROUGH CONNECTORS

MT-TD MT-GC



Conductor Size sqmm	Type	Type	Dimensions in.		Quantity Box/Bag	Hydraulic Tools	
			øi	L			
25 R	MT25-TD	MT25-GC	0.27	2.36	90/3	HT51 RH50 B500A B500DA B550CA HT81-U RHU81 B1300L-CA and similar tools for U dies ECW-H3D RHU520	
30 RC/S ÷ 40 S	MT40S-TD	MT40S-GC	0.32	2.36	90/3		
50 RC	MT50R-TD	MT50R-GC	0.34	2.36	90/3		
50 S	MT50S-TD	MT50S-GC	0.37	2.36	90/3		
63 S ÷ 70 S	MT70S-TD	MT70S-GC	0.43	2.76	30/3		
80 S ÷ 95 RC	MT95R-TD	MT95R-GC	0.47	3.15	30/3		
95 S ÷ 100 S	MT95S-TD	MT95S-GC	0.53	3.15	30/3		
120 RC/S ÷ 150 RC	MT150R-TD	MT150R-GC	0.59	3.15	30/3		
150 S ÷ 160 RC	MT150S-TD	MT150S-GC	0.65	3.15	30/3		
160 S ÷ 200 RC	MT200R-TD	MT200R-GC	0.67	3.94	30/3		
200 S ÷ 240 RC	MT240R-TD	MT240R-GC	0.76	3.94	30/3		
240 S ÷ 315 RC	MT315R-TD	MT315R-GC	0.85	3.94	30/3		
315 S	MT315S-TD	MT315S-GC	0.93	3.94	30/3		
400 R	MT400-TD		1.06	4.72	15/3		
500 R	MT500-TD		1.19	4.65	15/3		
600 R ÷ 630 R	MT630-TD		1.31	5.12	9/3		

R = Round conductors RC = Round Compact conductors S = Sector shaped conductors



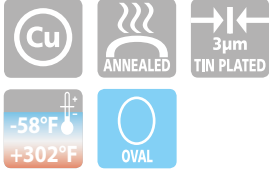
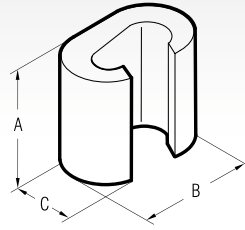
MT-TD and MT-GC series connectors are designed to join conductors in high voltage applications up to 33 kV.

They are manufactured from high purity Copper with a purity greater than 99.9%, annealed and Tin plated. MT-GC series feature a solid stop which forms a barrier between the two conductors being joined, this prevents the migration of oils or greases, which may be present, in one cable contaminating the other cable.

MT-TD connectors are unblocked and are suitable for joining cables of the same type.

Details of the appropriate crimping tools and dies are shown on page 238.

Tin plated version



"C" connectors are manufactured from high purity Copper profiles with a purity greater than 99.9% and are suitable for a variety of uses either to create an earthing network or tapping off from overhead distribution lines.

Each connector is marked as follows:

- Cembre trade mark
- Reference number
- Conductor size-Run
- Conductor size-Tap
- Number of crimps
- Die reference.

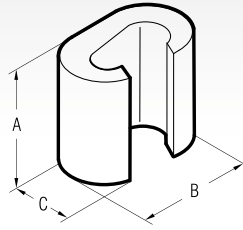
Details of the appropriate crimping tools and dies are shown on page 230.

Conductor Size AWG		Type	Dimensions in.			Quantity Box/Bag	Mechanical Tools	Hydraulic Tools	
Run	Tap		A	B	C				
#9÷#13	#9÷#15	C6-C6ST	0.35	0.39	0.25	1,000/100	HP4-C10	B450ND-BVA	B500CA
#7	#7÷#15	C10-C10ST	0.47	0.50	0.33	500/100			
#5	#5÷#15	C16-C16ST	0.67	0.76	0.47	500/100	HT45-E	B500NDA	B500CA
#3÷#5	#7÷#15	C25-C10ST	0.67	0.78	0.51	400/50			
#3	#3÷#5	C25-C25ST	0.67	0.84	0.51	300/50	HT51	B500A	RHU81
#1÷#2	#5÷#15	C35-C16ST	0.83	0.97	0.61	200/25			
#1÷#2	#1÷#3	C35-C35ST	0.83	1.05	0.61	200/25	HT81-U	RHU81	B1300L-CA and similar tools for U dies
1/0	#3÷#7								
2/0	#3÷#15	C70-C25NST	0.83	1.04	0.69	200/25	ECW-H3D		
1/0	#3÷#11	C50-C25ST	0.98	1.30	0.83	100/25			
1/0	1/0÷#2	C50-C50ST	1.02	1.30	0.83	100/25	HT51	RH50	B500A
2/0÷1/0	#1	C70-C35ST	1.10	1.30	0.83	100/25			
2/0÷1/0	2/0÷#11	C70-C70ST	1.10	1.34	0.83	100/25	HT51	RH50	B500A
4/0	#1	C95-C35ST	1.14	1.60	1.02	50/25			
4/0	2/0	C95-C70ST	1.14	1.61	1.02	50/25	HT51	RH50	B500A
4/0	4/0	C95-C95ST	1.14	1.61	1.02	50/25			
250÷4/0	250÷#3	C120-C120ST	1.18	1.77	1.10	30/15	HT51	RH50	B500A
300 MCM	250÷#3	C150-C120ST	1.22	1.77	1.10	50/25			
250 MCM	250 MCM								
300 MCM	300 MCM	C150-C150ST	1.18	1.77	1.10	50/25	HT51	RH50	B500A
250 MCM	250 MCM								
350 MCM	4/0÷#5	C185-C95ST	1.22	1.77	1.10	50/25	HT51	RH50	B500A
350÷250 MCM	350÷250 MCM	C185-C185ST	0.89	2.68	1.34	30/15			
500÷300 MCM	250÷2/0	C240-C120ST	0.89	2.68	1.34	30/15	HT51	RH50	B500A

SLEEVE CONNECTORS

Bright surface version

C-C

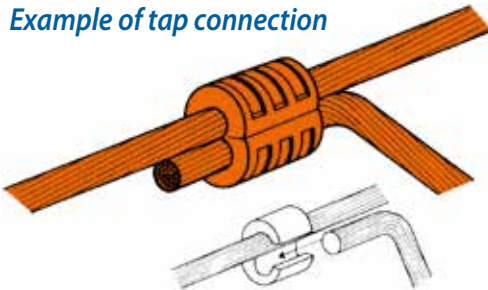


Conductor Size AWG		Type	Dimensions in.			Quantity Box/Bag	Mechanical Tools	Hydraulic Tools	
Run	Tap		A	B	C				
#9÷#13	#9÷#15	C6-C6	0.35	0.39	0.25	1,000/100	HP4-C10	B450ND-BVA	B550CA
#7	#7÷#15	C10-C10	0.47	0.50	0.33	500/100			
#5	#5÷#15	C16-C16	0.67	0.76	0.47	500/100	HT45-E	B450ND-BVA	B500NDA
#3÷#5	#7÷#15	C25-C10	0.67	0.78	0.51	400/50			
#3	#3÷#5	C25-C25	0.67	0.84	0.51	300/50	B500A	B500NDA	RHU81
#1÷#2	#5÷#15	C35-C16	0.83	0.97	0.61	200/25			
#1÷#2	#1÷#3	C35-C35	0.83	1.05	0.61	200/25	HT51	RH50	RHU81-U
1/0	#3÷#7	C70-C25N	0.83	1.04	0.69	200/25			
1/0	#3÷#11	C50-C25	0.98	1.30	0.83	100/25	HT51	RH50	RHU81-U
1/0	1/0÷#2	C50-C50	1.02	1.30	0.83	100/25			
2/0÷1/0	#1	C70-C35	1.10	1.30	0.83	100/25	HT51	RH50	RHU81-U
2/0÷1/0	2/0÷#11	C70-C70	1.10	1.34	0.83	100/25			
4/0	#1	C95-C35	1.14	1.60	1.02	50/25	HT51	RH50	RHU81-U
4/0	2/0	C95-C70	1.14	1.61	1.02	50/25			
4/0	4/0	C95-C95	1.14	1.61	1.02	50/25			
250÷4/0	250÷#3	C120-C120	1.18	1.77	1.10	30/15	HT51	RH50	RHU81-U
300 MCM	250÷#3	C150-C120	1.22	1.77	1.10	30/15			
250 MCM	250 MCM	C150-C120	1.22	1.77	1.10	30/15	HT51	RH50	RHU81-U
300 MCM	300 MCM	C150-C150	1.18	1.77	1.10	30/15			
250 MCM	250 MCM	C150-C150	1.18	1.77	1.10	30/15	HT51	RH50	RHU81-U
350 MCM	4/0÷#5	C185-C95	1.22	1.77	1.10	50/25			
350÷250 MCM	350÷250 MCM	C185-C185	0.89	2.68	1.34	30/15	HT51	RH50	RHU81-U
500÷300 MCM	250÷2/0	C240-C120	0.89	2.68	1.34	30/15			

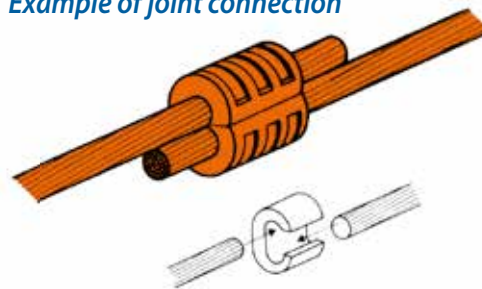


Featuring same characteristics of tin plated version, (see opposite page).

Example of tap connection

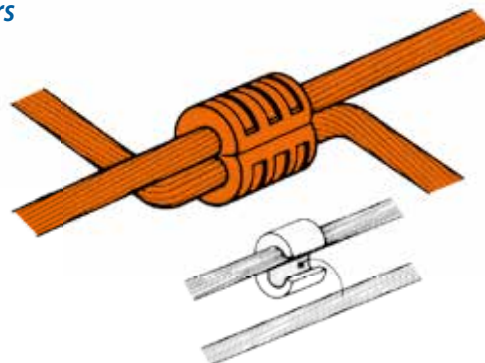


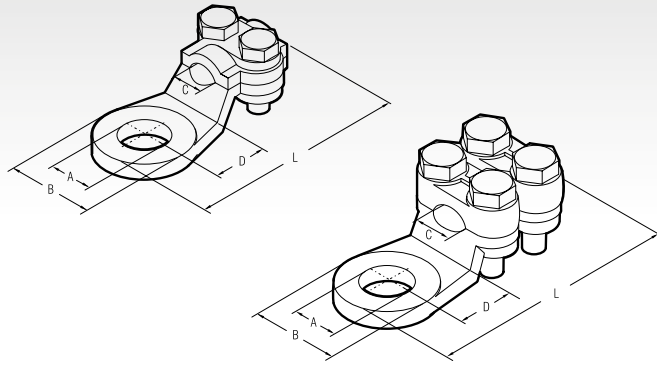
Example of joint connection



Example of joining two running conductors

Conductor Size AWG	Type
3-3	C35-C16
2-2	C35-C35
1/0-1/0	C70-C70
2/0-2/0	C95-C70
3/0-3/0	C150-C120
250-250 MCM	C150-C150
300-300 MCM	C150-C150
250 MCM-250 MCM	C185-C95





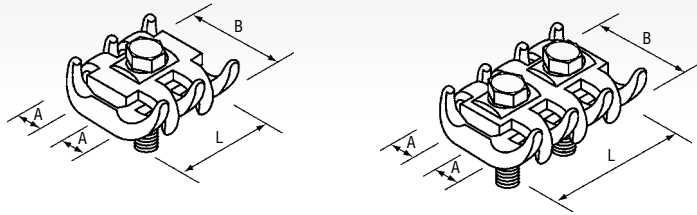
Material:
Brass CB754S EN 1982 Nickel plated.
Zinc plated Steel bolts.

2 bolt fixing lugs

Conductor Size AWG	Type	Clamping Bolt		Ø A Bolt	Dimensions in.				Quantity
		Ø	Torque Ratio Nm		B	C	D	L	
6	2155	M5	3	M8	0.71	0.18	0.49	1.54	100
6	2171	M5	3	M10	0.71	0.18	0.49	1.54	100
4	2156	M5	3	M8	0.77	0.24	0.51	1.69	100
4	2172	M5	3	M10	0.77	0.24	0.51	1.69	100
2	2157	M5	3	M12	0.91	0.28	0.59	1.93	50
2	2173	M5	3	M14	0.91	0.28	0.59	1.93	50
2-1/0	2174	M6	5	M14	0.98	0.31	0.67	2.20	50

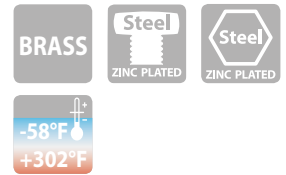
4 bolt fixing lugs

Conductor Size AWG	Type	Clamping Bolt		Ø A Bolt	Dimensions in.				Quantity
		Ø	Torque Ratio Nm		B	C	D	L	
1/0	2158	M6	5	M12	0.93	0.31	0.63	2.24	50
2/0	2160	M6	5	M12	1.10	0.39	0.79	2.56	25
2/0	2176	M6	5	M16	1.10	0.39	0.79	2.56	25
3/0	2161	M6	5	M12	1.22	0.51	0.67	2.60	25
250 MCM	2162	M7	10	M15	1.30	0.55	0.71	2.80	25
300 MCM	2163	M7	10	M14	1.34	0.63	0.77	2.95	25
350 MCM	2164	M7	10	M15	1.42	0.63	0.83	3.07	25



Single bolt fixing

Conductor Size AWG	Type	Clamping Bolts		A for Cable in.	Dimensions in.		Quantity
		∅	Torque Ratio Nm		B	L	
10÷6	2323	M6	8	0.12÷0.20	0.94	0.79	50
6÷1/0	2326	M8	15	0.20÷0.31	1.18	0.98	50
2÷2/0	2329	M8	15	0.28÷0.47	1.54	1.18	25

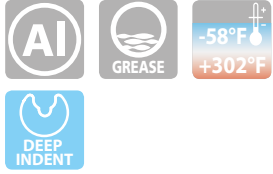
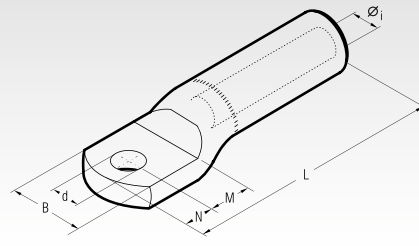


2 bolt fixing

Conductor Size AWG	Type	Clamping Bolts		A for Cable in.	Dimensions in.		Quantity
		∅	Torque Ratio Nm		B	L	
10÷6	2333	M6	8	0.12÷0.20	0.96	1.18	50
6÷1/0	2336	M8	15	0.20÷0.31	1.26	1.57	50
2÷2/0	2339	M8	15	0.28÷0.47	1.54	1.69	25
1/0÷3/0	2342	M10	35	0.31÷0.55	1.89	1.89	10
2/0÷300	2344	M10	35	0.55÷0.63	2.01	2.09	10
300÷400-600	2346*	M12	60	0.63÷0.87	2.60	2.60	5

*Stainless Steel bolts

Material:
Brass CB754S EN 1982 Zinc plated
Steel bolts.
Zinc plated Steel nut.



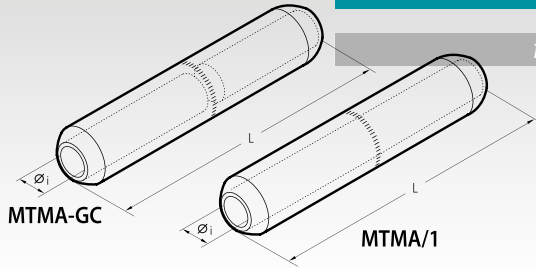
AA-M series terminals are made from Aluminum of a purity equal to or greater than 99.5%. They are designed to accept a variety of conductor forms especially low stranded compacted conductors. Non circular conductors may require pre-rounding prior to introduction to the terminal. Barrels are capped and filled with grease so as to avoid oxidation of the Aluminum. Details of the appropriate crimping tools and dies are shown on page 239.

Conductor Size AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Hydraulic Tools	
			Ø1	B	M	N	L	d			
6	5/16"	AA16-M8	0.22	0.83	0.51	0.43	3.03	0.33	60/3	B1300-JCA	
4	5/16"	AA25-M8	0.26	0.83	0.51	0.43	3.03	0.33	60/3		
2	5/16"	AA35-M8	0.31	0.91	0.51	0.43	3.05	0.33	60/3		
	3/8"	AA35-M10	0.31	0.91	0.51	0.43	3.05	0.41	60/3		
1/0	1/2"	AA50-M12	0.35	1.02	0.63	0.55	3.58	0.52	60/3		
	9/16"	AA50-M14	0.35	1.02	0.71	0.63	3.74	0.59	60/3		
2/0	1/2"	AA70-M12	0.43	1.06	0.63	0.55	3.58	0.52	45/3		
	9/16"	AA70-M14	0.43	1.06	0.71	0.63	3.74	0.59	45/3		
3/0	1/2"	AA95-M12	0.49	1.06	0.63	0.55	3.58	0.52	45/3		
	9/16"	AA95-M14	0.49	1.06	0.71	0.63	3.74	0.59	45/3		
250 MCM	1/2"	AA120-M12	0.54	1.38	0.63	0.55	4.53	0.52	30/3		
	9/16"	AA120-M14	0.54	1.38	0.71	0.63	4.68	0.59	30/3		
300 MCM	1/2"	AA150-M12	0.61	1.34	0.63	0.55	4.53	0.52	30/3		
	9/16"	AA150-M14	0.61	1.34	0.71	0.63	4.68	0.59	30/3		
350 MCM	1/2"	AA185-M12	0.67	1.65	0.79	0.55	4.80	0.52	18/3		
	9/16"	AA185-M14	0.67	1.65	0.87	0.63	4.96	0.59	18/3		
500 MCM	1/2"	AA240-M12	0.77	1.73	0.79	0.55	4.80	0.52	15/3		
	9/16"	AA240-M14	0.77	1.73	0.87	0.63	4.96	0.59	15/3		
600 MCM	1/2"	AA300-34M12	0.89	1.85	0.87	0.55	5.12	0.52	15/3		
	9/16"	AA300-34M14	0.89	1.85	0.87	0.63	5.20	0.59	15/3		
	5/8"	AA300-34M16	0.89	1.85	0.87	0.67	5.20	0.67	15/3		
	5/8"	AA300-M16	0.92	2.13	0.87	0.75	7.00	0.67	12/3		
800 MCM	5/8"	AA400-M16	1.02	2.20	0.75	0.67	6.77	0.67	15/3		
1000 MCM	5/8"	AA500-40M16	1.15	2.24	0.87	0.75	7.00	0.67	12/3		
1250 MCM	5/8"	AA630-M16	1.28	2.80	0.87	0.75	7.00	0.67	9/3		



THROUGH CONNECTORS

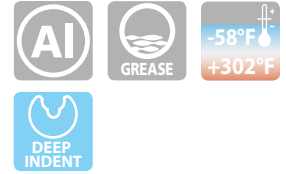
for Aluminum conductors



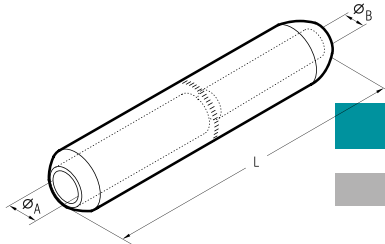
MTMA-GC MTMA/1



Conductor Size AWG	Type	Type	Dimensions in.		Quantity Box/Bag	Hydraulic Tools		
			ϕ_i	L		HT120 HT131-C RHC131	ECW-H3D	RHU230-630
8	MTMA10-GC		0.17	3.56	60/3			
6	MTMA16-GC	MTMA16/1	0.22	3.56	60/3			
4	MTMA25-GC	MTMA25/1	0.26	3.56	60/3			
2	MTMA35-GC	MTMA35/1	0.31	3.56	60/3			
	MTMA35-20-GC		0.31	4.19	30/3			
1/0	MTMA50-GC	MTMA50/1	0.35	4.19	30/3			
2/0	MTMA70-GC	MTMA70/1	0.43	4.19	30/3			
	MTMA95-GC		0.49	4.37	30/3			
3/0		MTMA95/1	0.49	4.19	30/3			
250 MCM	MTMA120-GC	MTMA120/1	0.54	5.24	30/3	HT131-UC		
300MCM	MTMA150-GC		0.61	5.31	30/3			
350 MCM		MTMA150/1	0.61	5.26	30/3	HT131-UC		
	350 MCM	MTMA185-GC	MTMA185/1	0.67	5.65			
500 MCM	MTMA240-GC	MTMA240/1	0.77	5.65	15/3	HT131-UC		
	MTMAD300-GC		0.89	5.69	15/3			
600 MCM		MTMAD300/1	0.89	5.31	15/3	HT131-UC		
		MTMA300-GC	0.92	8.58	15/3			
800 MCM		MTMA400/1	1.02	8.58	15/3	HT131-UC		
1000 MCM		MTMA500-GC	1.15	8.60	15/3			
			MTMA500-40/1	1.15	8.58	15/3	HT131-UC	
1250 MCM		MTMA630/1	1.28	8.60	12/3			



MTMA-GC series through connectors are made from Aluminum of a purity equal to or greater than 99.5%. They feature a solid stop which creates a barrier between the two sides of conductors to be joined. Barrels are capped and filled with grease so as to avoid oxidation of the connector. MTMA/1 series through connectors are unblocked and are suitable for joining cables of the same type. Details of the appropriate crimping tools and dies are shown on pages 239-241.



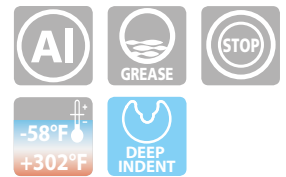
REDUCER THROUGH CONNECTORS

for Aluminum or Copper conductors

MTMA-GC



Conductor Size AWG		Type	Dimensions in.			Quantity Box/Bag	Hydraulic Tools			
Side A Al	Side B Al/Cu		ϕ_A	ϕ_B	L		HT120 HT131-C RHC131	ECW-H3D	RHU230-630	
6	8	MTMA 16-10-GC	0.22	0.17	3.56	60/3				B1300-UCA
		MTMA 25-10-GC	0.25	0.17	3.56	60/3				
4	8	MTMA 25-16-GC	0.25	0.22	3.56	60/3				
		MTMA 50-25-GC	0.35	0.26	4.19	30/3				
1/0	2	MTMA 50-35-GC	0.35	0.31	4.19	30/3				
		MTMA 70-35-GC	0.43	0.31	4.19	30/3				
2/0	1/0	MTMA 70-50-GC	0.43	0.35	4.19	30/3				
		MTMA 95-50-GC	0.49	0.35	4.31	30/3				
3/0	2/0	MTMA 95-70-GC	0.49	0.43	4.19	30/3				
		MTMA 120-70-GC	0.54	0.43	5.24	30/3				
250 MCM	3/0	MTMA 120-95-GC	0.54	0.49	5.24	30/3	HT131-UC			
		MTMA 150-70-GC	0.61	0.43	5.24	30/3				
300 MCM	3/0	MTMA 150-95-GC	0.61	0.49	5.29	30/3	HT131-UC			
		MTMA 150-120-GC	0.61	0.54	5.24	30/3				
350 MCM	250 MCM	MTMA 185-120-GC	0.67	0.54	5.65	15/3	HT131-UC			
		300 MCM	MTMA 185-150-GC	0.67	0.61	5.65				15/3
500 MCM	300 MCM	MTMA 240-150-GC	0.77	0.61	5.65	15/3	HT131-UC			
		350 MCM	MTMA 240-185-GC	0.77	0.67	5.65				15/3
600 MCM	3/0	MTMAD 300-95-GC	0.89	0.49	5.69	15/3	HT131-UC			
		300 MCM	MTMAD 300-150-GC	0.89	0.61	5.69				15/3
		350 MCM	MTMAD 300-185-GC	0.89	0.67	5.69				15/3
		500 MCM	MTMAD 300-240-GC	0.89	0.77	5.69				15/3
800 MCM	500 MCM	MTMA 400-240-GC	1.02	0.77	8.58	15/3	HT131-UC			
		600 MCM	MTMA 400-300-GC	1.02	0.92	8.58				15/3
1000 MCM	600 MCM	MTMA 500-300-GC	1.15	0.92	8.58	12/3	HT131-UC			
		800 MCM	MTMA 500-400-GC	1.15	1.02	8.58				12/3

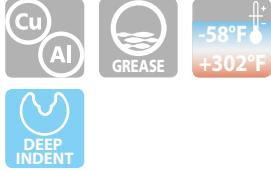
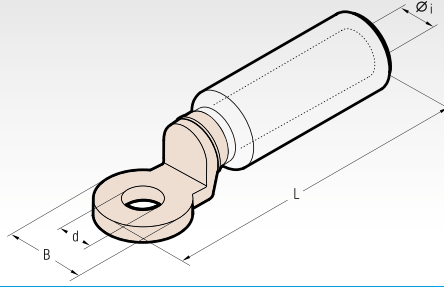


MTMA-GC series reducer through connectors are manufactured to the same specification as MTMA-GC series through connectors. Details of the appropriate crimping tools and dies are shown on pages 239-241.

CAA-M

BIMETALLIC CONNECTORS

Copper palm fixing - Aluminum barrels



The barrels of series CAA-M connectors are made from Aluminum of a purity equal to or greater than 99,5%. The barrel is friction welded to the palm thus achieving the best possible transition between the Copper palm and Aluminum barrel. Barrels are capped and filled with grease so as to avoid oxidation of the Aluminum. Details of the appropriate crimping tools and dies are shown on pages 239, 241.

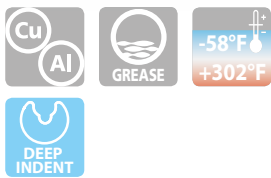
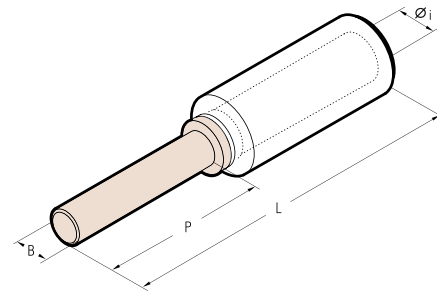
Conductor Size AWG	Ø Stud in.	Type	Dimensions in.				Quantity Box/Bag	Hydraulic Tools		
			Øi	B	L	d		HT120 HT131-C RHC131	ECW-H3D	RHU230-630
8	1/2"	CAA10-M12	0.17	0.94	3.43	0.51	90/3			
6	1/2"	CAA16-M12	0.22	0.94	3.43	0.51	90/3			
4	1/2"	CAA25-M12	0.26	0.94	3.43	0.51	90/3			
2	1/2"	CAA35-M12	0.31	0.94	3.43	0.51	90/3			
	1/2"	CAA35-20-M12	0.31	0.94	3.43	0.51	60/3			
1/0	1/2"	CAA50-M12	0.35	0.94	3.43	0.51	60/3			
2/0	1/2"	CAA70-M12	0.43	0.94	3.43	0.51	60/3			
3/0	1/2"	CAA95-M12	0.49	0.94	3.43	0.51	60/3			
250 MCM	1/2"	CAA120-M12	0.54	1.22	4.37	0.51	30/3			
300 MCM	1/2"	CAA150-M12	0.61	1.22	4.37	0.51	30/3			
350 MCM	1/2"	CAA185-M12	0.67	1.38	4.57	0.51	18/3			
500 MCM	1/2"	CAA240-M12	0.77	1.38	4.57	0.51	18/3			
	1/2"	CAA300-34-M12	0.89	1.38	4.72	0.51	15/3			
600 MCM	5/8"	CAA300-34-M16	0.89	1.38	4.72	0.67	15/3			
	5/8"	CAA300-M16	0.92	1.38	6.00	0.65	12/3			
800 MCM	5/8"	CAA400-M16	1.02	1.38	6.00	0.65	12/3			
1000 MCM	5/8"	CAA500-M16TNBD	1.15	1.38	6.00	0.65	12/3			
1250 MCM	5/16"	CAA630-4M8	1.28	2.36	7.87	4 x 0.35*	9/3			

*4 holes with 30 mm between axes

MTA-C

BIMETALLIC CONNECTORS

Copper pin - Aluminum barrels



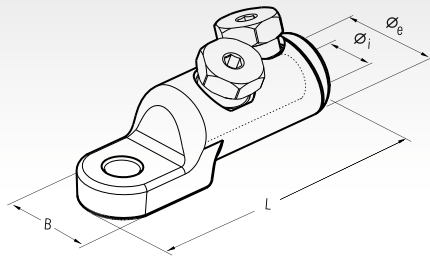
The barrels of series MTA-C connectors are made from Aluminum of a purity equal to or greater than 99,5%. The barrel is friction welded to the pin thus achieving the best possible transition between the Copper pin and Aluminum barrel. Barrels are capped and filled with grease so as to avoid oxidation of the Aluminum. Details of the appropriate crimping tools and dies are shown on pages 239, 241.

Conductor Size AWG	Type	Dimensions in.				Quantity Box/Bag	Hydraulic Tools		
		Øi	B	P	L		HT131-UC RHU131-C B1300-UCA		
6	MTA16-C	0.22	0.31	1.18	3.23	90/3			
4	MTA25-C	0.26	0.31	1.18	3.23	90/3			
2	MTA35-C	0.31	0.31	1.18	3.23	90/3			
1/0	MTA50-C	0.35	0.47	1.77	3.82	60/3			
2/0	MTA70-C	0.43	0.47	1.77	3.82	60/3			
3/0	MTA95-C	0.49	0.47	1.77	3.82	60/3			
250 MCM	MTA120-C	0.54	0.55	2.17	4.92	30/3			
300 MCM	MTA150-C	0.61	0.55	2.17	4.92	30/3			
350 MCM	MTA185-C	0.67	0.55	2.17	4.92	24/3			
500 MCM	MTA240-C	0.77	0.55	2.17	4.92	24/3			

MECHANICAL LUGS

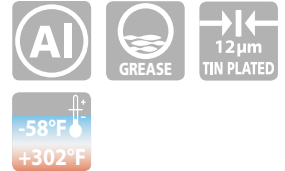
For Low and Medium voltage Al/Cu conductors

MLA-C



Conductor Size AWG	Type	Ø Stud in.	Dimensions in.				N° of Bolts	Number of centring devices	Quantity Box/Bag
			Øe	Øi	B	L			
1/0 - 500 MCM	MLA50-240-12C	1/2"	1.30	0.81	1.30	4.19*	2	3 ● ● ●	1/10

* without centring devices



Cembre range-taking mechanical connectors are intended for use with Copper and Aluminum conductors, for low and medium voltage (up to 52kV) installations, in indoor, outdoor and underground applications. Mechanical connector bodies (pic.1) are made from Aluminum EN-AW 2011 T6 with cross sectional area and barrel length designed to optimise

electrical connectivity. Internal surfaces are protected against oxidation by grease with a very high dropping point, while the Tin plating on external surfaces has a minimum thickness of 12 µm for improved surface protection. Shear bolts (pic.2) are made from the same material and designed to ensure a reliable electrical connection

simply by tightening the bolts with a standard socket until shearing occurs inside the threaded hole without external protrusion. To minimise voltage stresses, connectors are provided with centring devices (pic.3) to improve the alignment of the different conductor sizes.

Key features:

- Wide range of conductor cross sections
- Suitable for Copper and Aluminum conductors
- Tested according to IEC 61238
- Torque controlled to guarantee a good electrical contact
- Reduces inventory levels
- Easy installation - only requires a standard socket
- Reduced installation time

Pic. 1



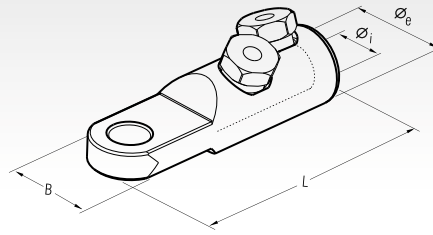
Conductor Size AWG	Centring device	
	Color	Type
1/0 - 2/0 - 3/0	Red	
250 MCM 300 MCM	Blue	
350 MCM	Yellow	
500 MCM	Not required	

Pic. 3

ML-C

MECHANICAL LUGS WITH SYMMETRICAL PALM

For Medium voltage Al/Cu conductors



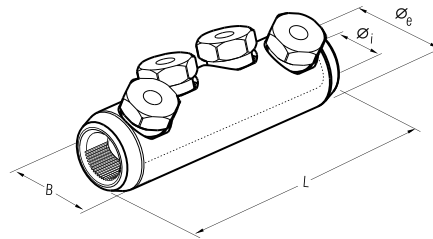
Conductor Size AWG	Type	Ø Stud in.	Dimensions in.				N° of Bolts	Number of centring devices	Quantity Box/Bag
			Øe	Øi	B	L			
3/0 - 500 MCM	ML95-240-12C	1/2"	1.38	0.81	1.38	4.9*	2	3 ● ● ●	1/10
3/0 - 500 MCM	ML95-240-16C	5/8"	1.38	0.81	1.38	4.9*	2	3 ● ● ●	1/10
300 MCM 500 MCM	ML150-240-12C	1/2"	1.38	0.81	1.38	4.9*	2	2 ● ●	1/10
300 MCM 500 MCM	ML150-240-16C	5/8"	1.38	0.81	1.38	4.9*	2	2 ● ●	1/10

* without centring devices

MBS-C

MECHANICAL SPLICES

For Low and Medium voltage Al/Cu conductors



Conductor Size AWG	Type	Dimensions in.				N° of Bolts	Number of centring devices	Quantity Box/Bag
		Øe	Øi	B	L			
1/0 - 500 MCM	MBS50-240-C	1.38	0.81	1.38	4.9*	4	3 ● ● ●	1/20
3/0 - 500 MCM	MBS95-240-C	1.38	0.81	1.38	4.9*	4	3 ● ● ●	1/20

* without centring devices