2.2 Flexible Cable Entry Grommets
for Cables without Connectors

c ULus | up to IP68 | up to UL TYPE 4X UL 50E | Ex Page 207 | DNV·GL | HL3 EN 45545-2 | E45 EI30 EN 45545-3 Page 214 | UV ISO 4892-2A | ECOLAB certified | RoHS compliant | Made in Germany | UL-94 V0 | +90°C -40°C | 3–115 mm

Fast and easy, partially tool-free assembly

High flexibility when routing rigid cables
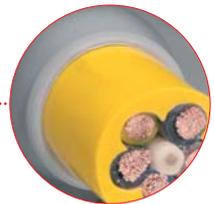
Up to IP66/IP68 rated protection
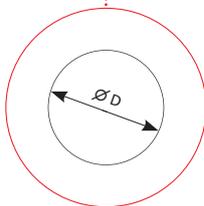
For metric cut-outs M25 - M85 (KEL-DPF)

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Compact, space-saving design

Due to high elasticity also suitable for routing preassembled cable lugs/terminals.

Product Range

KEL-DPF   KEL-ULTRA flex   KEL-JUMBO flex

IP66 IP68   IP66   IP54

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IP66
IP68
IP66
IP54

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cᴿᴜ us | IP66 | IP68 | UL TYPE 12 UL50E | UL TYPE 4X UL50E | HL3 EN 45545-2 | UV* ISO 4892-2A | ECOLAB certified | RoHS compliant | Made in Germany | Ex Page 207

KEL-DPF
Cable Entry Grommets

IP66 **IP68**

Product Description

The KEL-DPF was developed particularly for routing large or unknown sizes of cables into an enclosure or machine (max. cable diameter 70 mm). Due to the flexibility and unique pyramid shape, cable entry and flexible positioning is much easier compared to using conventional cable glands. Also perfect for bundling or restraining large cables.

Cutting of DPF grommets:
Cable diameter less 25%. The corresponding diameters are marked on the grommet.

It is recommended that additional strain relief be provided for cables as part of the installation.

Advantages & Benefits

- Quick and tool-free assembly
- It is possible to install rigid cables at angles
- Suitable for metric cut-outs
- Polyamide locknuts are included in the shipment

Specifications

Material	Thread frame: Polyamide (PA)
	Pyramid: Elastomer
Color	▢ gray (similar RAL 7035)
	◼ black
Flame class	UL94-V0
IP rating	IP66/IP68 (certified acc. to EN 60529)
UL type rating	UL type 12 (acc. to UL 50E)
	UL type 4X (acc. to UL 50E)
Operating	- 40°C to + 90°C (static)
temperature	- 40°F to + 194°F (static)
Properties	Halogen-free, silicone-free
Thread length	14 mm / 0.551 "
Cut-out dimensions	Metric sizes

Accessories

Type	Order No.	Thread metric	External diameter	Clamping range	PU
KEL-DPF 25|3-12	▢ 42652 ◼ 50652	M25 × 1.5	39 mm 1.535 "	3 - 12 mm 0.126 - 0.472 "	5
KEL-DPF 32|6-18	▢ 42653 ◼ 50653	M32 × 1.5	46 mm 1.811 "	6 - 18 mm 0.236 - 0.709 "	5
KEL-DPF 40|12-27	▢ 42654 ◼ 50654	M40 × 1.5	54 mm 2.126 "	12 - 27 mm 0.472 - 1.063 "	5
KEL-DPF 50|22-36	▢ 42655 ◼ 50655	M50 × 1.5	64 mm 2.52 "	22 - 36 mm 0.866 - 1.417 "	5
KEL-DPF 63|27-50	▢ 42656 ◼ 50656	M63 × 1.5	77 mm 3.031 "	27 - 50 mm 1.063 - 1.969 "	5
KEL-DPF 75|39-60	▢ 42657 ◼ 50657	M75 × 1.5	89 mm 3.504 "	39 - 60 mm 1.535 - 2.362 "	1
KEL-DPF 85|48-70	▢ 42658 ◼ 50658	M85 × 2	99 mm 3.898 "	48 - 70 mm 1.89 - 2.756 "	1

Wrenches
for M75/M85 plastic locknut

For mounting the new KEL-DPF sizes we offer suitable wrenches with widths M75 and M85 for plastic locknuts. Material: aluminum

M75: Order No.61436 | M85: Order No. 61437 | PU: 1

* Only valid for gray product types

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KEL-ULTRA flex
Cable Entry Grommets

IP66

Product Description

The KEL-ULTRA flex is designed as a cable entry grommet for any large cable or conduit that is difficult to manage. The KEL-ULTRA flex comes in two sizes and is ideal for routing and sealing cables and conduits with a diameter from 25 to 115 mm. Due to the high flexibility of the elastomer pyramid, inserting large, thick cables with KEL-ULTRA flex is easier than using standard cable glands.

After inserting the cable or conduit, the KEL-ULTRA flex is quickly and easily mounted with the metal ring and screws. This ring enables a circular fixing and sealing of the grommet at the enclosure wall. The ring is supplied with each KEL-ULTRA flex. Cutting of grommets: Cable diameter less 25%. It is recommended that additional strain relief be provided for cables as part of the installation.

Advantages & Benefits

- Quick assembly
- Grommets allow for easy orientation and seal of rigid cables.
- IP66 / up to UL type 12 rating

Type	Order No.	Sealing range	PU
KEL-ULTRA flex 1 incl. fixing screws	42630	25 - max. 90 mm cable diameter 0.984 - max. 3.543	1
KEL-ULTRA flex 2 incl. fixing screws	42631	75 - max. 115 mm cable diameter 2.953 - max. 4.528 "	1

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Specifications

Material	**Pyramid: Elastomer**
	Fixing metal ring: Steel, zinc-plated
	Blank plate: Steel, zinc-plated
Flame class	**UL94-V0**
IP rating	**IP66, when fastened with 8 screws (certified acc. to EN 60529)**
UL type rating	**UL type 12 (acc. to UL 50E)**
Operating temperature	**- 40°C to + 90°C (static)**
	- 40°F to + 194°F (static)
Properties	**Halogen-free, silicone-free**
Cut-out dimension	**Round, ø-cable +30%, max. ø 140 mm / 5.512 "**

Accessories

MP Module plates   174 - 175
BPM Blank plates   185

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KEL-JUMBO flex
Cable Entry Grommets

IP54

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Product Description

The KEL-JUMBO flex is a flexible cable entry grommet for cables without connectors with a diameter range from 27 - 68 mm.

They are ideal for the routing supply cables into the electronic enclosures.

Cutting of KEL-JUMBO flex grommets:
Cable diameter less 25%. The corresponding diameters are marked on the grommet.

It is recommended that additional strain relief be provided for cables as part of the installation.

Advantages & Benefits

- Quick assembly
- Grommets allow dynamic and flexible movement of rigid cables
- Compact installation area (88 × 88 mm / 3.465 × 3.465 ")

Specifications

Material	**Frame: Polyamide (PA)**
	Pyramid: Elastomer
Flame class	**UL94-V0**
IP rating	**IP54**
UL type rating	**UL type 12 (acc. to UL 50E)**
Operating	**- 40°C to + 90°C (static)**
temperature	**- 40°F to + 194°F (static)**
Properties	**Halogen-free, silicone-free**
Cut-out dimensions	**Round, ø-cable +20%**

Accessories

MP Module plates	174 - 175
BP Blank plates	184 - 186
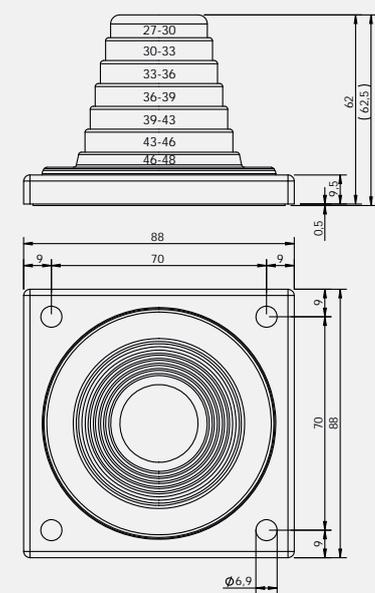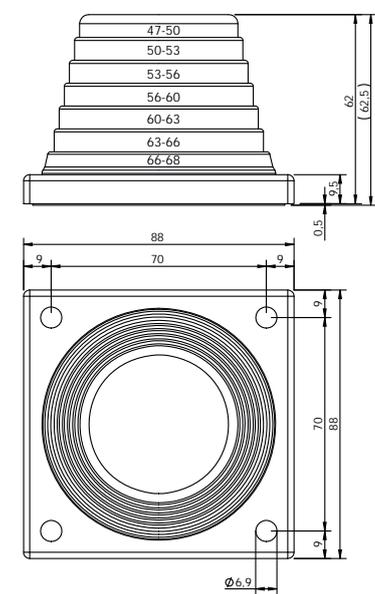
Description	Type	Order No.	Clamping range	PU
	KEL-JUMBO flex 27-48	42614	27 - 48 mm 1.063 - 1.89 "	1
	KEL-JUMBO flex 47-68	42616	47 - 68 mm 1.85 - 2.677 "	1