



P-CVG-K



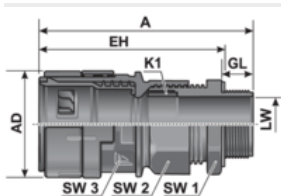
Product information

The highly dense and cable-protecting M-PRO P-CVG-K conduit fitting with plastic external thread and integrated cable fitting with strain relief is used for the fast and secure connection of corrugated conduits and cables. It has excellent chemical resistance and is also suitable for outdoor use due to its UV and weathering resistance.

Further advantages:

- Tool-free assembly / disassembly of corrugated conduits
- High packing density
- High tear-out strength
- Vibration, impact and shock resistant

Information, conformities and approvals

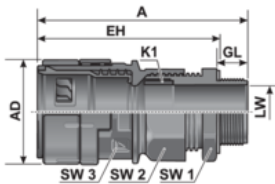


Article	Order No.	Color	UV	Connecting thread	Suitable for Murrflex	PU pcs.
Metric plastic thread						
P-CVG/L M12/07-K	83411052	Black	✓	M12x1,5	M10/P07	4
P-CVG/L M12/09-K	83411054	Black	✓	M12x1,5	M12/P09	4
P-CVG/L M16/09-K	83411056	Black	✓	M16x1,5	M12/P09	4
P-CVG/L M16/11-K	83411058	Black	✓	M16x1,5	M16/P11	4
P-CVG/L M20/11-K	83411060	Black	✓	M20x1,5	M16/P11	4
P-CVG/L M20/16-K	83411064	Black	✓	M20x1,5	M20/P16	4
P-CVG/L M25/16-K	83411066	Black	✓	M25x1,5	M20/P16	4
P-CVG/L M25/21-K	83411070	Black	✓	M25x1,5	M25/P21	4
P-CVG/L M32/21-K	83411072	Black	✓	M32x1,5	M25/P21	2
P-CVG/L M32/29-K	83411074	Black	✓	M32x1,5	M32/P29	2
P-CVG/L M40/29-K	83411076	Black	✓	M40x1,5	M32/P29	2
P-CVG/L M40/36-K	83411078	Black	✓	M40x1,5	M40/P36	2



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Article	Order No.	Color	UV	Connecting thread	Suitable for Murrflex	PU pcs.
P-CVG/L M50/36-K	83411080	Black	✓	M50x1,5	M40/P36	2
P-CVG/L M50/48-K	83411082	Black	✓	M50x1,5	M50/P48	2
P-CVG/L M63/48-K	83411084	Black	✓	M63x1,5	M50/P48	2
PG plastic threading						
P-CVG/L PG09/09-K	83411153	Black	✓	PG 09	M12/P09	4
P-CVG/L PG11/11-K	83411157	Black	✓	PG 11	M16/P11	4
P-CVG/L PG16/16-K	83411163	Black	✓	PG 16	M20/P16	4
P-CVG/L PG21/21-K	83411166	Black	✓	PG 21	M25/P21	4
P-CVG/L PG29/29-K	83411169	Black	✓	PG 29	M32/P29	2
P-CVG/L PG36/36-K	83411171	Black	✓	PG 36	M40/P36	2
P-CVG/L PG48/48-K	83411173	Black	✓	PG 48	M50/P48	2



Article	Order No.	A mm	EH mm	AD mm	GL mm	LW mm	Clamping range (LW) mm	SW 1 / 2 / 3 mm
P-CVG/L M12/07-K	83411052	59.7	52.7	23.65	8	6.8	3 - 6.5	15 / 15 / 22
P-CVG/L M12/09-K	83411054	59.7	52.7	25	8	6.8	3 - 6.5	15 / 15 / 23
P-CVG/L M16/09-K	83411056	68.6	59.6	25	10	10.3	5 - 10	22 / 22 / 23
P-CVG/L M16/11-K	83411058	72.9	63.9	27.9	10	10.3	5 - 10	22 / 22 / 24
P-CVG/L M20/11-K	83411060	72.5	63.5	27.9	10	14.4	10 - 14	27 / 27 / 24
P-CVG/L M20/16-K	83411064	75.9	66.9	33.7	10	14.4	10 - 14	27 / 27 / 30
P-CVG/L M25/16-K	83411066	82.3	73.8	33.7	10	18.4	13 - 18	33 / 33 / 30
P-CVG/L M25/21-K	83411070	86.3	77.8	41.55	10	18.4	13 - 18	33 / 33 / 36



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Article	Order No.	A mm	EH mm	AD mm	GL mm	LW mm	Clamping range (LW) mm	SW 1 / 2 / 3 mm
P-CVG/L M32/21-K	83411072	96.4	82.9	41.55	15	25.5	18 - 25	42 / 42 / 36
P-CVG/L M32/29-K	83411074	102.4	88.9	51	15	25.5	18 - 25	42 / 42 / 46
P-CVG/L M40/29-K	83411076	114.4	98.4	51	18	32.6	22 - 32	53 / 53 / 46
P-CVG/L M40/36-K	83411078	117.4	101.4	59.3	18	32.6	22 - 32	53 / 53 / 55
P-CVG/L M50/36-K	83411080	119.8	103.8	59.3	18	39.5	30 - 38	60 / 60 / 55
P-CVG/L M50/48-K	83411082	122.7	106.7	71	18	39.5	30 - 38	60 / 60 / 65
P-CVG/L M63/48-K	83411084	122.9	106.9	71	18	44.4	34 - 44	65 / 65 / 65
PG plastic threading								
P-CVG/L PG09/09-K	83411153	61.9	54.9	25	8	8.5	4 - 8	19 / 19 / 23
P-CVG/L PG11/11-K	83411157	70.9	63.9	27.9	8	10.3	5 - 10	22 / 22 / 24
P-CVG/L PG16/16-K	83411163	75.9	66.9	33.7	10	14.4	10 - 14	27 / 27 / 30
P-CVG/L PG21/21-K	83411166	87.3	77.8	41.55	11	18.4	13 - 18	33 / 33 / 36
P-CVG/L PG29/29-K	83411169	98.4	88.9	51	11	25.5	18 - 25	42 / 42 / 46
P-CVG/L PG36/36-K	83411171	112.4	101.4	59.3	13	32.6	22 - 32	53 / 53 / 55
P-CVG/L PG48/48-K	83411173	118.9	106.9	71	14	44.4	34 - 44	65 / 65 / 65

Material properties



mod. polyamide PA 6
Thermoplastic elastomer

Thermal properties



Temperature / temperature range
-50 °C - 120 °C / short term: 140 °C

Protection class



Protection class

IP54
IP66
IP66K
IP67
IP67M



P-CVG-K

Protection class

IP68 up to 6 bar (30 min) with cable
IP69K
IP68 To ensure system tightness in accordance with IP68, additional sealing of the terminal thread with a commercially available thread sealant is recommended.

Fire properties



Fire classification

acc. to UL94: V0 self-extinguishing



Fire properties as per EN 45545-2

C.I.T. R22 / R23 HL3 :0,58 EN 17084
LOI R22 / R23 HL3 :≥ 32 % ISO 4589-2
Ds (max.) R22 / R23 HL3 :57 ISO 5659-2 (25 KW/m²)



Fire properties as per NFPA

ASTM E 162
ASTM E 1354
ASTM E 662
Boeing BSS 7239
Boeing BSS 7242
Bombardier SMP 800-C

Technical information



Halogen-free



Silicone-free



UV-resistant acc. to ISO 4892-2



Interior



exterior

Conformity



RoHS (EC Directive 2011/65/EU)



Vibration, shock and impact tested



ECE 324 R 118



P-CVG-K

Approvals and operating permits



EU railway approval



cURus approval

Classification

ETIM 9: EC001176
ECLASS 14: 27430312
UNSPSC: 40183103

Recommended torques for **murrplastik connectors, corrugated conduits and cable fittings**



holders, lock nuts and reducers





Recommended torques for **murrplastik connectors, corrugated conduits and cable fittings, holders, lock nuts and reducers**

Fastening with lock nut

Metric thread EN 60423	Connecting thread and lock nut made of polyamide	Connection thread and lock nut made of metal
M12x1.5	2.0 Nm	5.0 Nm
M16x1.5	3.0 Nm	7.0 Nm
M20x1.5	4.0 Nm	8.0 Nm
M25x1.5	5.0 Nm	10.0 Nm
M32x1.5	6.0 Nm	12.0 Nm
M40x1.5	11.0 Nm	16.0 Nm
M50x1.5	15.0 Nm	17.0 Nm
M63x1.5	16.0 Nm	18.0 Nm

Pg thread DIN 40430	Connecting thread and lock nut made of polyamide	Connection thread and lock nut made of metal
Pg 7	2.0 Nm	4.0 Nm
Pg 9	2.5 Nm	4.0 Nm
Pg 11	3.5 Nm	6.0 Nm
Pg 13.5	4.0 Nm	7.0 Nm
Pg 16	4.5 Nm	8.0 Nm
Pg 21	7.5 Nm	10.0 Nm
Pg 29	9.0 Nm	13.0 Nm
Pg 36	14.0 Nm	15.0 Nm
Pg 42	15.0 Nm	16.0 Nm
Pg 48	16.0 Nm	17.0 Nm

Please note the following information:

- The specified tightening torques are maximum values and should not be exceeded.
- The values are based on measurements under normal climate conditions (23°C / 50% rel. humidity). During assembly and operation, the prevailing climatic conditions should also be taken into account, as these can affect the properties of the components.
- Please consider the properties of the other components with which the murrplastik elements are connected.
- Locking and sealing elements tightened with a lower torque provide better long-term strength.



Recommended torques for **Screws and nuts**

Torques for screws and nuts

Thread size	Torques
M4	2.0 Nm
M5	3.0 Nm
M6	4.0 Nm
M8	10.0 Nm
M10	15.0 Nm

Product examples from our webshop range



Series m-pro

on to the product

shop.murrplastik.de



Series m-fix

on to the product

shop.murrplastik.de



UHE Holder

on to the product

shop.murrplastik.de

More info at

shop.murrplastik.de

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More info at

murrplastik.de