



Type VG (metal thread)



Product information

The VG conduit fittings are made of specially modified polyamide 6, thermoplastic elastomer and nickel-plated brass. The materials are halogen, phosphor and cadmium-free.

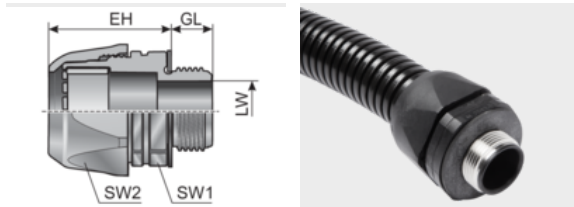
The VG conduit fittings feature the following advantages:

- Quick assembly, insert conduit, screw upper part tight, done
- No parts can get lost, delivered completely assembled
- Resistant to vibration due to lockable cap nut
- Clamping along entire circumference, ensuring maximum tensile strength.
- High level of tightness at IP 68/69K to 6 bar without any add-on components to EN 60529

Specification:

- EN 45545-2 3x HL3
- NFPA 130: ASTM E 162, ASTM E 662
- ECE 324 R 118 Annex 6+8

Information, conformities and approvals



Article	Order No.	Color	UV	Connecting thread	Suitable for Murrflex	EH mm	GL mm	LW mm	SW 1 / 2 mm	PU pcs.
VG M12-M 1)	83511252	Black	✓	M12x1,5	M12/P09	21	12	7.2	20 / 20	50
VG M16x1.5/09-M 1)	83511253	Black	✓	M16x1,5	M12/P09	21	12	10.5	20 / 20	50
VG M16-M 1)	83511254	Black	✓	M16x1,5	M16/P11	27	12	10.5	25 / 25	50
VG M20x1.5/11-M 1)	83511255	Black	✓	M20x1,5	M16/P11	27	13	14.6	25 / 25	50
VG M20-M 1)	83511256	Black	✓	M20x1,5	M20/P16	35	13	14.6	33 / 33	50
VG M25x1.5/16-M 1)	83511257	Black	✓	M25x1,5	M20/P16	35	13	19	33 / 33	50
VG M25-M 1)	83511258	Black	✓	M25x1,5	M25/P21	37	13	19	41 / 41	50
VG M32x1.5/21-M 1)	83511259	Black	✓	M32x1,5	M25/P21	37	14	26	41 / 41	25
VG M32-M 1)	83511260	Black	✓	M32x1,5	M32/P29	46	14	26	50 / 50	25
VG M40x1.5/29-M 1)	83511261	Black	✓	M40x1,5	M32/P29	46	17	33.5	50 / 50	25
VG M40-M 2)	83511262	Black	✓	M40x1,5	M40/P36	53	17	32	60 / 60	25
VG M50x1.5/36-M 1)	83511263	Black	✓	M50x1,5	M40/P36	53	17	41.2	60 / 60	10
VG M50-M 1)	83511264	Black	✓	M50x1,5	M50/P48	60	17	41.2	75 / 75	10



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Article	Order No.	Color	UV	Connecting thread	Suitable for Murrflex	EH mm	GL mm	LW mm	SW 1 / 2 mm	PU pcs.
VG M63x1.5/48-M ¹⁾	83511266	Black	✓	M63x1,5	M50/P48	60	17	50.3	75 / 75	10
VG M12-M ¹⁾	83511212	Gray	✗	M12x1,5	M12/P09	21	12	7.2	20 / 20	50
VG M16-M ¹⁾	83511214	Gray	✗	M16x1,5	M16/P11	27	12	10.5	25 / 25	50
VG M20-M ¹⁾	83511216	Gray	✗	M20x1,5	M20/P16	35	13	14.6	33 / 33	50
VG M25-M ¹⁾	83511218	Gray	✗	M25x1,5	M25/P21	37	13	19	41 / 41	50
VG M32-M ¹⁾	83511220	Gray	✗	M32x1,5	M32/P29	46	14	26	50 / 50	25
VG M40-M ^{2) 1**)}	83511222	Gray	✗	M40x1,5	M40/P36	53	17	32	60 / 60	25
VG M50-M ^{1) 1**)}	83511224	Gray	✗	M50x1,5	M50/P48	60	17	41.2	75 / 75	10
VG M63x1.5/48-M ¹⁾	83511226	Gray	✗	M63x1,5	M50/P48	60	17	50.3	75 / 75	10
VG P9-M ¹⁾	83511652	Black	✓	PG 09	M12/P09	21	12	7.2	20 / 20	50
VG P11-M ¹⁾	83511654	Black	✓	PG 11	M16/P11	27	12	10.5	25 / 25	50
VG P16-M ¹⁾	83511656	Black	✓	PG 16	M20/P16	35	13	14.6	33 / 33	50
VG P21-M ¹⁾	83511658	Black	✓	PG 21	M25/P21	37	13	19	41 / 41	50
VG P29-M ¹⁾	83511660	Black	✓	PG 29	M32/P29	46	14	26	50 / 50	25
VG P36-M ²⁾	83511662	Black	✓	PG 36	M40/P36	53	17	33.5	60 / 60	25
VG P48-M ¹⁾	83511664	Black	✓	PG 48	M50/P48	60	17	41.2	75 / 75	10
VG P9-M ^{1) 1**)}	83511612	Gray	✗	PG 09	M12/P09	21	12	7.2	20 / 20	50
VG P11-M ¹⁾	83511614	Gray	✗	PG 11	M16/P11	27	12	10.5	25 / 25	50
VG P16-M ¹⁾	83511616	Gray	✗	PG 16	M20/P16	35	13	14.6	33 / 33	50
VG P21-M ¹⁾	83511618	Gray	✗	PG 21	M25/P21	37	13	19	41 / 41	50
VG P29-M ¹⁾	83511620	Gray	✗	PG 29	M32/P29	46	14	26	50 / 50	25
VG P36-M ^{2) 1**)}	83511622	Gray	✗	PG 36	M40/P36	53	17	33.5	60 / 60	25
VG P48-M ^{1) 1**)}	83511624	Gray	✗	PG 48	M50/P48	60	17	41.2	75 / 75	10
VG N 3/8"-M ¹⁾	83512050	Black	✓	3/8"	M16/P11	27	12	10.5	25 / 25	50
VG N 1/2"-M ¹⁾	83512052	Black	✓	1/2"	M20/P16	35	13	14.6	33 / 33	50



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VG N 3/4"-M 1)	83512054	Black	✓	3/4"	M25/P21	37	13	19	41 / 41	50
VG N 1"-M 1)	83512056	Black	✓	1"	M32/P29	46	14	26	50 / 50	25
VG N 1 1/4"-M 2) 1**)	83512058	Black	✓	1 1/4"	M40/P36	53	17	33.5	60 / 60	25
VG N 2"-M 1) 1**)	83512060	Black	✓	2"	M50/P48	60	17	41.2	75 / 75	10
VG N 3/8"-M 1) 1**)	83512010	Gray	✗	3/8"	M16/P11	27	12	10.5	25 / 25	50
VG N 1/2"-M 1) 1**)	83512012	Gray	✗	1/2"	M20/P16	35	13	14.6	33 / 33	50
VG N 3/4"-M 1) 1**)	83512014	Gray	✗	3/4"	M25/P21	37	13	19	41 / 41	50
VG N 1"-M 1) 1**)	83512016	Gray	✗	1"	M32/P29	46	14	26	50 / 50	25
VG N 1 1/4"-M 2) 1**)	83512018	Gray	✗	1 1/4"	M40/P36	53	17	33.5	60 / 60	25
VG N 2"-M 1) 1**)	83512020	Gray	✗	2"	M50/P48	60	17	41.2	75 / 75	10

1) With cURus- approval
2) With CSA- and cURus- approval

1**) No stock goods, delivery time and minimum order quantities upon request

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Material properties



Fitting: mod. polyamide PA 6
Connecting thread Brass nickel-plated mod. polyamide PA 6
Brass nickel-plated

Thermal properties



Temperature / temperature range
-40 °C - 110 °C / short term: 140 °C

Protection class



Protection class
IP68 up to 6 bar



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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 NF X 70-100-1/-2 600°C (1112 °F)

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



Smoke emission class

SR2 DIN 54837 / 5510-2



Flammability classification

S4 DIN 5510-2

Chemical resistances



Resistant to:

Alcohol

Greases

Fuels

Mineral oils

Technical information



Halogen-free

Conformity



RoHS (EC Directive 2011/65/EU)



ECE 324 R 118

Approvals and operating permits



EU railway approval



CSA approval



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Approvals and operating permits



cURus approval

Classification

ETIM 9: EC001176
ECLASS 14: 27430312
UNSPSC 26.0801: 40183103

General information



Made in Germany