



Type VG (plastic thread)



Product information

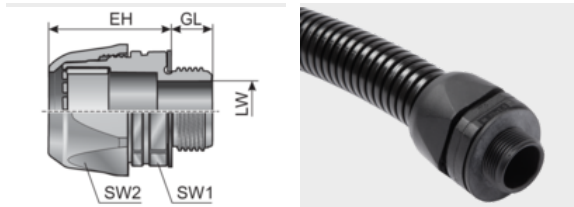
The VG conduit fittings are made of specially modified polyamide 6 and thermoplastic elastomer. The materials are halogen, phosphor and cadmium-free. The VG conduit fittings feature the following advantages:

- 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 and 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-K 1)	83511052	Black	✓	M12x1,5	M12/P09	21	12	7.2	20 / 20	50
VG M16-K 1)	83511054	Black	✓	M16x1,5	M16/P11	27	12	10.5	25 / 25	50
VG M20-K 1)	83511056	Black	✓	M20x1,5	M20/P16	35	13	14.6	33 / 33	50
VG M25-K 1)	83511058	Black	✓	M25x1,5	M25/P21	37	13	19	41 / 41	50
VG M32-K 1)	83511060	Black	✓	M32x1,5	M32/P29	46	14	26	50 / 50	25
VG M40-K 2)	83511062	Black	✓	M40x1,5	M40/P36	53	17	33.5	60 / 60	25
VG M50-K 1)	83511064	Black	✓	M50x1,5	M50/P48	60	17	41.2	75 / 75	10
VG M12-K 1)	83511012	Gray	✗	M12x1,5	M12/P09	21	12	7.2	20 / 20	50
VG M16-K 1)	83511014	Gray	✗	M16x1,5	M16/P11	27	12	10.5	25 / 25	50
VG M20-K 1)	83511016	Gray	✗	M20x1,5	M20/P16	35	13	14.6	33 / 33	50
VG M25-K 1)	83511018	Gray	✗	M25x1,5	M25/P21	37	13	19	41 / 41	50
VG M32-K 1)	83511020	Gray	✗	M32x1,5	M32/P29	46	14	26	50 / 50	25
VG M40-K 2)	83511022	Gray	✗	M40x1,5	M40/P36	53	17	33.5	60 / 60	25



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VG M50-K 1)	83511024	Gray	✗	M50x1,5	M50/P48	60	17	41.2	75 / 75	10
VG P9-K 1)	83511452	Black	✓	PG 09	M12/P09	21	12	7.2	20 / 20	50
VG P11-K 1)	83511454	Black	✓	PG 11	M16/P11	27	12	10.5	25 / 25	50
VG P16-K 1)	83511456	Black	✓	PG 16	M20/P16	35	13	14.6	33 / 33	50
VG P21-K 1)	83511458	Black	✓	PG 21	M25/P21	37	13	22	41 / 41	50
VG P29-K 1)	83511460	Black	✓	PG 29	M32/P29	46	14	26	50 / 50	25
VG P36-K 2)	83511462	Black	✓	PG 36	M40/P36	53	17	33.5	60 / 60	25
VG P48-K 1)	83511464	Black	✓	PG 48	M50/P48	60	17	49	75 / 75	10
VG P9-K 1)	83511412	Gray	✗	PG 09	M12/P09	21	12	7.2	20 / 20	50
VG P11-K 1)	83511414	Gray	✗	PG 11	M16/P11	27	12	10.5	25 / 25	50
VG P16-K 1)	83511416	Gray	✗	PG 16	M20/P16	35	13	14.6	33 / 33	50
VG P21-K 1)	83511418	Gray	✗	PG 21	M25/P21	37	13	22	41 / 41	50
VG P29-K 1)	83511420	Gray	✗	PG 29	M32/P29	46	14	26	50 / 50	25
VG P36-K 2)	83511422	Gray	✗	PG 36	M40/P36	53	17	33.5	60 / 60	25
VG P48-K 1) 1**)	83511424	Gray	✗	PG 48	M50/P48	60	17	49	75 / 75	10
VG N 3/8"-K 1)	83511850	Black	✓	3/8"	M16/P11	27	12	10.5	25 / 25	50
VG N 1/2"-K 1)	83511852	Black	✓	1/2"	M20/P16	35	13	14.6	33 / 33	50
VG N 3/4"-K 1)	83511854	Black	✓	3/4"	M25/P21	37	13	19	41 / 41	50
VG N 1"-K 1)	83511856	Black	✓	1"	M32/P29	46	14	26	50 / 50	25
VG N 1 1/4 -K 2)	83511858	Black	✓	1 1/4"	M40/P36	53	17	33.5	60 / 60	25
VG N 2"-K 1) 1**)	83511860	Black	✓	2"	M50/P48	60	17	41.2	75 / 75	10
VG N 3/8"-K 3) 1**)	83511810	Gray	✗	3/8"	M16/P11	27	12	10.5	25 / 25	50
VG N 1/2"-K 1)	83511812	Gray	✗	1/2"	M20/P16	35	13	14.6	33 / 33	50
VG N 3/4"-K 1)	83511814	Gray	✗	3/4"	M25/P21	37	13	19	41 / 41	50
VG N 1"-K 1)	83511816	Gray	✗	1"	M32/P29	46	14	26	50 / 50	25



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VG N 1 1/4 -K 2) 1**)	83511818	Gray	✗	1 1/4"	M40/P36	53	17	33.5	60 / 60	25
VG N 2"-K 4) 1**)	83511820	Gray	✗	2"	M50/P48	60	17	41.2	75 / 75	10

1) With cURus- approval
 2) With CSA- and cURus- approval
 3) With cURus approval, - min. order quantity 1000 pcs
 4) With cURus approval, - min. order quantity 400 pcs
 1**) No stock goods, delivery time and minimum order quantities upon request

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 2) With CSA- and cURus- approval
 3) With cURus approval, - min. order quantity 1000 pcs
 4) With cURus approval, - min. order quantity 400 pcs
 1**) No stock goods, delivery time and minimum order quantities upon request

Material properties



Fitting: mod. polyamide PA 6
 Connecting thread mod. polyamide PA 6 mod. polyamide PA 6
 mod. polyamide PA 6

Thermal properties



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

Protection class



Protection class
 IP68 up to 6 bar

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



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Fire properties



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



cURus approval

Classification

ETIM 9: EC001176

ECLASS 14: 27430312

General information



Made in Germany

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