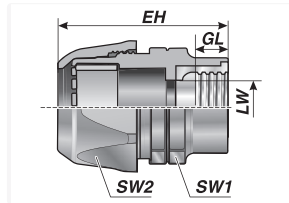




## Type IVG (metal internal thread)



### Product information

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

The IVG 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 DIN IEC 60529/A1

Specification:

- EN 45545-2 3x HL3
- NFPA 130: ASTM E 162, ASTM E 662

Color: Black

UV: 1

### Information, conformities and approvals



Article	Order No.	Connecting thread	Suitable for Murrflex	EH mm	GL mm	LW mm	SW 1 / 2 mm	PU pcs.
IVG M12-M	83571052	M12x1,5	M12/P09	31	8	6.5	19 / 20	50
IVG M16-M	83571054	M16x1,5	M16/P11	37	8	10	22 / 25	50
IVG M20-M	83571056	M20x1,5	M20/P16	45	10	14	27 / 33	50
IVG M25-M	83571058	M25x1,5	M25/P21	47	10	18.3	33 / 41	50
IVG M32-M	83571060	M32x1,5	M32/P29	56	13	24	43 / 50	25
IVG M40-M <sup>1)</sup>	83571062	M40x1,5	M40/P36	70	14	33	54 / 60	25
IVG M50-M <sup>2)</sup>	83571064	M50x1,5	M50/P48	80	15	44	67 / 75	10

<sup>1)</sup> With CSA approval

<sup>2)</sup> No stock goods, delivery time and minimum order quantities upon request



## Type IVG (metal internal thread)

### Material properties



mod. polyamide PA 6 Brass nickel-plated

### Thermal properties



Temperature / temperature range -40 °C – 110 °C  
short term 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 ; LOI R22 / R23 HL3 ; Ds (max.) R22 / R23 HL3 : 0,58,  $\geq 32\%$ , 57 NF X 70-100-1/-2  
600°C (1112 °F), ISO 4589-2, ISO 5659-2 (25  $\kappa\text{BT}/\text{m}^2$ )



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 resistance



Resistant to: Alcohol, Greases, Fuels, Mineral oils

### Technical information



Halogen-free

### Conformity



RoHS (EC Directive 2011/65/EU)

### Approvals and operating permits



EU railway approval



CSA approval



## Type IVG (metal internal thread)

### General information



Made in Germany

All details given in our sales brochures and catalogues, as well as the information available online, are based on our current knowledge of the products described. The electronic data and files made available by Murrplastik, particularly CAD files are based on our current knowledge of the product described. A legally binding assurance of certain properties or the suitability for a certain purpose can not be determined from this information. All information with respect to the chemical and physical properties of Murrplastik products, as well as application advice given verbally, in writing or by tests, is given to the best of our knowledge. They do not release the buyer from the obligation to carry out his own tests and trials in order to determine the concrete suitability of the products for the intended purpose. Murrplastik accepts no responsibility for the available information being up-to-date, correct or complete. Neither do we accept responsibility for the quality of this information. Murrplastik accepts no liability for damage caused as a result of using our products. Murrplastik reserves the right to make technical changes and improvements through constant further development of products and services. Our General Terms and Conditions apply.