



Type CVW 90° EMV (conduit and cable fitting, metal thread)



Product information

The CVW 90° EMV combined conduit and cable fittings are made of specially modified polyamide 6, thermoplastic elastomer and nickel-plated brass. The materials are halogen, phosphor and cadmium-free.

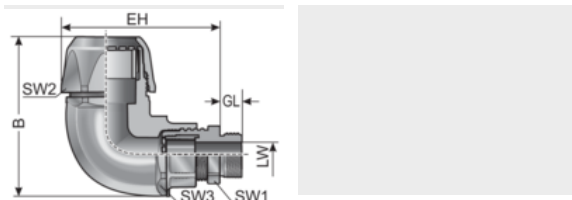
The CVW 90° EMV combined conduit and cable fittings feature the following advantages:

- 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.
- Optimum strain relief for the cable
- 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

Information, conformities and approvals



Article	Order No.	Color	UV	Connecting thread	Suitable for Murrflex	EH mm	GL mm	B mm	Clamping range (LW) mm	SW 1 / 2 / 3 mm	PU pcs.
CVW 90 M12 EMV	83551450	Black	✓	M12x1,5	M12/P09	46	6.5	45	3 - 6.5	14 / 21 / 20	50
CVW 90 M16 EMV	83551452	Black	✓	M16x1,5	M16/P11	54	6	54	5 - 10	20 / 27 / 25	50
CVW 90 M20 EMV	83551456	Black	✓	M20x1,5	M20/P16	67	6	67	10 - 14	24 / 34 / 33	50
CVW 90 M25 EMV	83551458	Black	✓	M25x1,5	M25/P21	74	7	79	13 - 18	30 / 41 / 41	25
CVW 90 M32 EMV	83551460	Black	✓	M32x1,5	M32/P29	88	8	92	18 - 25	40 / 50 / 50	25
CVW 90 M40 EMV	83551462	Black	✓	M40x1,5	M40/P36	108	8	109	22 - 32	50 / 60 / 60	25
CVW 90 M63 EMV	83551464	Black	✓	M63x1,5	M50/P48	127	10	136	37 - 44	68 / 75 / 75	10

1) With CSA approval

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Material properties



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



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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 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



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Conformity



RoHS (EC Directive 2011/65/EU)

Approvals and operating permits



EU railway approval



CSA approval



cURus approval

Classification

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

General information



Made in Germany