

Type MSV (plug-in fitting)



Product information

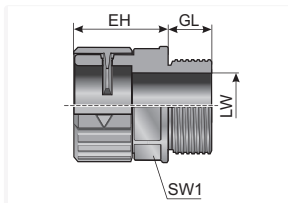
The MSV conduit fittings are made of specially modified polyamide 6. The materials are halogen, phosphor and cadmium-free.

The affordable MSV conduit fittings feature the following advantages:

- No parts can get lost, delivered completely assembled
- Cost reduction through simple assembly work, insert conduit and done
- Simple opening mechanism
- Tightness of IP 54 for static and dynamic application, IP 65 with additional mounting of an O-ring

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 Murr-flex	EH mm	GL mm	LW mm	SW 1 mm	PU pcs.
MSV-M12x1,5/7	83602450	Black	✓	M12x1,5	M10/P07	19	13	8	16	50
MSV-M12x1,5/9	83602452	Black	✓	M12x1,5	M12/P09	19	13	8	18	50
MSV-M12x1,5/11	83602456	Black	✓	M12x1,5	M16/P11	23	13	8	21	50
MSV-M16x1,5/9	83602454	Black	✓	M16x1,5	M12/P09	19	13	12	18	50
MSV-M16x1,5/11	83602458	Black	✓	M16x1,5	M16/P11	23	13	12	21	50
MSV-M20x1,5/11	83602459	Black	✓	M20x1,5	M16/P11	23	14	13.5	21	50
MSV-M20x1,5/16	83602460	Black	✓	M20x1,5	M20/P16(S)	27	14	15	27	50
MSV-M25x1,5/16	83602461	Black	✓	M25x1,5	M20/P16(S)	26	14	19	27	50
MSV-M25x1,5/21	83602462	Black	✓	M25x1,5	M25/P21(S)	32	14	21	36	50
MSV-M32x1,5/21	83602463	Black	✓	M32x1,5	M25/P21(S)	32	14	26	36	50
MSV-M32x1,5/29	83602464	Black	✓	M32x1,5	M32/P29(S)	34	14	27	40	25
MSV-M40x1,5/29	83602465	Black	✓	M40x1,5	M32/P29(S)	34	14	32	40	25
MSV-M40x1,5/36	83602466	Black	✓	M40x1,5	M40/P36(S)	38	16	34	49	10



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MSV-M50x1,5/36	83602467	Black	✓	M50x1,5	M40/P36(S)	37.5	16	40	49	10
MSV-M50x1,5/48	83602468	Black	✓	M50x1,5	M50/P48(S)	39	16	44	60	10
MSV-M63x1,5/48	83602469	Black	✓	M63x1,5	M50/P48(S)	38.5	16	52	60	10
MSV-M12x1,5/7	83602410	Gray	✗	M12x1,5	M10/P07	19	13	8	16	50
MSV-M12x1,5/9	83602412	Gray	✗	M12x1,5	M12/P09	19	13	8	18	50
MSV-M12x1,5/11	83602416	Gray	✗	M12x1,5	M16/P11	23	13	8	21	50
MSV-M16x1,5/9	83602414	Gray	✗	M16x1,5	M12/P09	19	13	12	18	50
MSV-M16x1,5/11	83602418	Gray	✗	M16x1,5	M16/P11	23	13	12	21	50
MSV-M20x1,5/11	83602419	Gray	✗	M20x1,5	M16/P11	23	14	13.5	21	50
MSV-M20x1,5/16	83602420	Gray	✗	M20x1,5	M20/P16(S)	27	14	15	27	50
MSV-M25x1,5/16	83602421	Gray	✗	M25x1,5	M20/P16(S)	26	14	19	27	50
MSV-M25x1,5/21	83602422	Gray	✗	M25x1,5	M25/P21(S)	32	14	21	36	50
MSV-M32x1,5/21	83602423	Gray	✗	M32x1,5	M25/P21(S)	32	14	26	36	50
MSV-M32x1,5/29	83602424	Gray	✗	M32x1,5	M32/P29(S)	34	14	27	40	25
MSV-M40x1,5/29	83602425	Gray	✗	M40x1,5	M32/P29(S)	34	14	32	40	25
MSV-M40x1,5/36	83602426	Gray	✗	M40x1,5	M40/P36(S)	38	16	34	49	10
MSV-M50x1,5/36	83602427	Gray	✗	M50x1,5	M40/P36(S)	37.5	16	40	49	10
MSV-M50x1,5/48	83602428	Gray	✗	M50x1,5	M50/P48(S)	39	16	44	60	10
MSV-M63x1,5/48	83602429	Gray	✗	M63x1,5	M50/P48(S)	38.5	16	52	60	10
MSV-Pg 07	83601050	Black	✓	PG 07	M10/P07	19	9	8	16	50
MSV-Pg 09	83601052	Black	✓	PG 09	M12/P09	19	10	9.6	18	50
MSV-Pg 11	83601054	Black	✓	PG 11	M16/P11	23	10	13.8	21	50
MSV-Pg 13,5/11	83601055	Black	✓	PG 13,5	M16/P11	23	13	12	21	50



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MSV-Pg 13,5/16	83601056	Black	✓	PG 13,5	M20/P16(S)	27	13	15.5	27	50
MSV-Pg 16/09	83601057	Black	✓	PG 16	M12/P09	19	13	27	27	50
MSV-Pg 16	83601058	Black	✓	PG 16	M20/P16(S)	27	13	17	27	50
MSV-Pg 21/16	83601059	Black	✓	PG 21	M20/P16	26	14	23	36	50
MSV-Pg 21	83601060	Black	✓	PG 21	M25/P21(S)	32	14	23	36	50
MSV-Pg 29	83601062	Black	✓	PG 29	M32/P29(S)	35	14	28	40	25
MSV-Pg 36	83601064	Black	✓	PG 36	M40/P36(S)	38	15	40	49	10
MSV-Pg 48	83601066	Black	✓	PG 48	M50/P48(S)	39	17	47	60	10
MSV-Pg 07	83601010	Gray	✗	PG 07	M10/P07	19	9	8	16	50
MSV-Pg 09	83601012	Gray	✗	PG 09	M12/P09	19	10	9.6	18	50
MSV-Pg 11	83601014	Gray	✗	PG 11	M16/P11	23	10	13.8	21	50
MSV-Pg 13,5/11	83601015	Gray	✗	PG 13,5	M16/P11	23	13	12	21	50
MSV-Pg 13,5/16	83601016	Gray	✗	PG 13,5	M20/P16(S)	27	13	15.5	27	50
MSV-Pg 16/09	83601017	Gray	✗	PG 16	M12/P09	19	13	27	27	50
MSV-Pg 16	83601018	Gray	✗	PG 16	M20/P16(S)	27	13	17	27	50
MSV-Pg 21/16	83601019	Gray	✗	PG 21	M20/P16	26	14	36	36	50
MSV-Pg 21	83601020	Gray	✗	PG 21	M25/P21(S)	32	14	23	36	50
MSV-Pg 29	83601022	Gray	✗	PG 29	M32/P29(S)	35	14	28	40	25
MSV-Pg 36	83601024	Gray	✗	PG 36	M40/P36(S)	38	15	40	49	10
MSV-Pg 48	83601026	Gray	✗	PG 48	M50/P48(S)	39	17	47	60	10
MSV-NPT 1/2"/16 ¹⁾	83602652	Black	✓	1/2"	M20/P16(S)	27	14	15	27	50
MSV-NPT 3/4"/21 ¹⁾	83602654	Black	✓	3/4"	M25/P21(S)	32	14	20.5	36	50
MSV-NPT 1"/29 ¹⁾	83602656	Black	✓	1"	M32/P29(S)	35	16	26.5	40	25



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MSV-NPT 1/2"/16 ¹⁾	83602612	Gray	✘	1/2"	M20/P16(S)	27	14	15	27	50
MSV-NPT 3/4"/21 ¹⁾	83602614	Gray	✘	3/4"	M25/P21(S)	32	14	20.5	36	50
MSV-NPT 1"/29 ¹⁾	83602616	Gray	✘	1"	M32/P29(S)	35	16	26.5	40	25

¹⁾ Discontinued product!

Material properties



mod. polyamide PA 6 |

Thermal properties



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

Protection class



Protection class IP54, IP65 with sealing ring DR-NBR

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 kBT/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

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



cURus approval

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.