





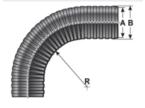
Product information

The EW-PRF cable protection conduits are made of specially modified polyamide 12. The material is halogen, phosphor and cadmium-free.

The conduits are suitable for dynamic applications involving medium to high mechanical loads. The EW-PRF cable protection conduits are used both in the robotics engineering as well as in the aviation industry.

They feature the following advantages:

- High flexibility
- Excellent impact strength
- Excellent self-extinguishing properties
- Very low levels of smoke gas





Information, conformities and approvals

















Article	Order No.	Color	UV	metric	PG	NW	AØ	ВØ	Stat./Dyn. Radius	Weight	PU m
							mm	mm	mm	kg/100m	
EW-PRF M10/P	0783181252	Black	✓	M10	PG07	NW 7	8.5	11.5	21/46	2.0	50
EW-PRF M12/P0	09 83181254	Black	✓	M12	PG09	NW 10	9.9	13	22/51	2.5	50
EW-PRF M16/P1	1 83181256	Black	✓	M16	PG11	NW 12	12.1	15.7	28/68	3.6	50
EW-PRF M20/P	16 83181258	Black	✓	M20	PG16	NW 17	15.6	21.1	38/95	5.5	50
EW-PRF M20/ P16S	83181260	Black	✓	M20	PG16	NW 17	16.6	20.7	35/90	5.6	50
EW-PRF M25/P	21 83181262	Black	✓	M25	PG21	NW 23	21.8	28.3	49/109	9.0	50
EW-PRF M25/ P21S	83181462	Black	×	M25	PG21	NW 23	23.1	28.3	44/104	9.5	50
EW-PRF M32/P	2983181264	Black	✓	M32	PG29	NW 29	27.8	34.6	67/142	12.0	25
EW-PRF M32/ P29S	83181464	Black	✓	M32	PG29	NW 29	28.5	34.5	62/132	14.0	25
EW-PRF M40/ P36	83181266	Black	✓	M40	PG36	NW 36	35.5	42.5	81/191	17.0	25
EW-PRF M50/ P48	83181268	Black	✓	M50	PG48	NW 48	46.3	54	102/237	21.0	25
EW-PRF 70	83181272	Black	✓			NW 70	68.4	80	200/390	44.0	25

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Article	Order No.	Color	UV	metric	PG	NW	AØ	ВØ	Stat./Dyn. Radius	Weight	PU m
							mm	mm	mm	kg/100m	
EW-PRF 95 1)	83181274	Black	✓			NW 95	89.4	106.1	265/500	80.0	10
EW-PRF M10/P	0783181212	Gray	×	M10	PG07	NW 7	8.5	11.5	21/46	2.1	50
EW-PRF M12/P0	09 83181214	Gray	×	M12	PG09	NW 10	9.9	13	22/51	2.5	50
EW-PRF M16/P1	1 83181216	Gray	×	M16	PG11	NW 12	12.1	15.7	28/68	3.6	50
EW-PRF M20/P	1683181218	Gray	×	M20	PG16	NW 17	15.6	21.1	38/95	5.5	50
EW-PRF M20/ P16S	83181220	Gray	×	M20	PG16	NW 17	16.6	20.7	35/90	5.6	50
EW-PRF M25/P	2183181222	Gray	×	M25	PG21	NW 23	21.8	28.3	49/109	9.5	50
EW-PRF M25/ P21S	83181422	Gray	×	M25	PG21	NW 23	23.1	28.3	44/104	9.5	50
EW-PRF M32/P	2983181224	Gray	×	M32	PG29	NW 29	27.8	34.6	67/142	12.0	25
EW-PRF M32/ P29S	83181424	Gray	×	M32	PG29	NW 29	28.5	34.5	62/132	14.0	25
EW-PRF M40/ P36	83181226	Gray	×	M40	PG36	NW 36	35.5	42.5	81/191	17.0	25
EW-PRF M50/ P48	83181228	Gray	×	M50	PG48	NW 48	46.3	54	102/237	21.0	25
EW-PRF 70	83181232	Gray	×			NW 70	68.4	80	200/390	44.0	25
EW-PRF 95	83181234	Gray	×			NW 95	89.4	106.1	265/500	80.0	10

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

Material properties



mod. polyamide PA 12



High angle consistency

>400 N 50 x 50 mm According to IEC EN 61386 M25/P21 Testing at 23 $^{\circ}\text{C}$ >720 N 100 x 100 mm According to IEC EN 61386 M25/P21 Testing at 23 $^{\circ}\text{C}$



Flexural fatigue strength

>400000 ~According to IEC EN 61386 M25/P21 Testing at -45 $^{\circ}\text{C}$



Impact strength

4 According to IEC EN 61386 M25/P21 Testing at -25 $^{\circ}\text{C}$

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Material properties



System tear-out strength

>340 NAccording to IEC EN 61386 M25/P21 Testing at 23 $^{\circ}\text{C}$ Fitting M-PR0

Thermal properties



Temperature / temperature range

-40 °C – 105 °C / short term: 150 °C

Fire properties



Fire classification

acc. to UL94: V2 self-extinguishing

Chemical resistances



Resistant to:

Alcohol Greases Fuels Lyes Mineral oils Weak acids

Technical information



Halogen-free



UV-resistant acc. to ISO 4892-2



Interior



exterior

Approvals and operating permits



ROBI approval



ECOLAB approval



cURus approval





Classification



ETIM 9: EC001175 ECLASS 14: 27430305 UNSPSC 26.0801: 39131601

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 product described.

The electronic data and files made available by Murrplastik, particularly CAD files are based on our current knowledge of the product described.

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