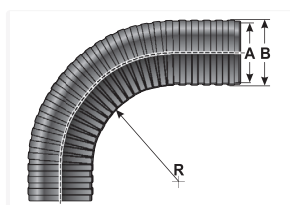




Type EW-PRF



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	A Ø mm	B Ø mm	R stat. mm	R dyn. mm	Weight kg/100m	PU m
EW-PRF-M10/P7	83181252	Black	1	8.5	11.5	21	46	2.0	50
EW-PRF-M12/P9	83181254	Black	1	9.9	13	22	51	2.5	50
EW-PRF-M16/P11	83181256	Black	1	12.1	15.7	28	68	3.6	50
EW-PRF-M20/P16	83181258	Black	1	15.6	21.1	38	95	5.5	50
EW-PRF-M20/P16S	83181260	Black	1	16.6	20.7	35	90	5.6	50
EW-PRF-M25/P21	83181262	Black	1	21.8	28.3	49	109	9.0	50
EW-PRF-M25/P21S	83181462	Black	0	23.1	28.3	44	104	9.5	50
EW-PRF-M32/P29	83181264	Black	1	27.8	34.6	67	142	12.0	25
EW-PRF-M32/P29S	83181464	Black	1	28.5	34.5	62	132	14.0	25
EW-PRF-M40/P36	83181266	Black	1	35.5	42.5	81	191	17.0	25
EW-PRF-M50/P48	83181268	Black	1	46.3	54	102	237	21.0	25



Type EW-PRF

Article	Order No.	Color	UV	A Ø mm	B Ø mm	R stat. mm	R dyn. mm	Weight kg/100m	PU m
EW-PRF-70 Jumbo	83181272	Black	1	68.4	80	200	390	44.0	25
EW-PRF-95 Jumbo ¹⁾	83181274	Black	1	89.4	106.1	265	500	80.0	10
EW-PRF-M10/P7	83181212	Gray	0	8.5	11.5	21	46	2.1	50
EW-PRF-M12/P9	83181214	Gray	0	9.9	13	22	51	2.5	50
EW-PRF-M16/P11	83181216	Gray	0	12.1	15.7	28	68	3.6	50
EW-PRF-M20/P16	83181218	Gray	0	15.6	21.1	38	95	5.5	50
EW-PRF-M20/P16S	83181220	Gray	0	16.6	20.7	35	90	5.6	50
EW-PRF-M25/P21	83181222	Gray	0	21.8	28.3	49	109	9.5	50
EW-PRF-M25/P21S	83181422	Gray	0	23.1	28.3	44	104	9.5	50
EW-PRF-M32/P29	83181224	Gray	0	27.8	34.6	67	142	12.0	25
EW-PRF-M32/P29S	83181424	Gray	0	28.5	34.5	62	132	14.0	25
EW-PRF-M40/P36	83181226	Gray	0	35.5	42.5	81	191	17.0	25
EW-PRF-M50/P48	83181228	Gray	0	46.3	54	102	237	21.0	25
EW-PRF-70 Jumbo	83181232	Gray	0	68.4	80	200	390	44.0	25
EW-PRF-95 Jumbo	83181234	Gray	0	89.4	106.1	265	500	80.0	10

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



Type EW-PRF

Material properties



mod. polyamide PA 12



High angle consistency >1100 N
According to IEC EN 61386 M25/P21



Flexural fatigue strength >16000 ~
According to IEC EN 61386 M25/P21



Impact strength 4 According
to IEC EN 61386 M25/P21



System tear-out strength >520 N
According to IEC EN 61386 M25/P21

Thermal properties



Temperature / temperature range -40 °C – 105 °C
short term short term: 150 °C

Fire properties



Fire classification acc. to
UL94: V2 self-extinguishing

Chemical resistance



Resistant to: Alcohol, Greases, Fu-
els, Lyes, Mineral oils, Weak acids

Technical information



HF | Halogen-free



UV | UV-resistant acc. to ISO
4892-2

Approvals and operating permits



ROBI approval



cURus approval



ECOLAB 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.