



## Type EW-PRT



#### **Product information**

Experience the innovation of EW-PRT cable protection conduits, specially designed for demanding cable protection.

Made from innovative polyamide 12, they offer outstanding UV protection and exceptional resistance to mechanical impact.

Their excellent fire protection properties meet the highest requirements in the rail transportation sector, performing reliably even under extreme conditions down to  $-50^{\circ}$ C.

Ideal for use in environments that require robust and secure solutions.

#### Information, conformities and approvals







Article	Order No.	Color	metric	PG	NW	A Ø mm	B Ø mm	Stat./Dyn. Radius mm	Weight kg/100m	PU m
EW-PRT 06	83181850	Black				6.4	9.8	20/68	1.5	50
EW-PRT M10/P07	83181852	Black	M10	PG07	NW 7	8.5	11.5	22/75	2.8	50
ew-prt M12/P09	83181854	Black	M12	PG09	NW 10	9.8	12.4	26/85	3.0	50
ew-prt M16/P11	83181856	Black	M16	PG11	NW 12	12	15.7	38/105	3.8	50
ew-prt M20/P16	83181858	Black	M20	PG16	NW 17	15.7	21.1	52/185	6.6	50
EW-PRT M25/P21	83181862	Black	M25	PG21	NW 23	22.4	28.3	64/235	9.9	50
EW-PRT M32/P29	83181866	Black	M32	PG29	NW 29	27.5	34.5	77/285	13.5	25
EW-PRT M40/P36	83181868	Black	M40	PG36	NW 36	36	42.5	91/315	17.0	25
EW-PRT M50/P48	83181870	Black	M50	PG48	NW 48	46.2	53.9	112/355	22.5	25

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#### Material properties

mod. polyamide PA 12 ||





# Type EW-PRT

#### Material properties



High angle consistency>300 N>450 N50 x 50 mm100 x 100 mm According to IEC EN 61386According to IEC EN 61386 M25/P21M25/P21 Testing at 23 °C Testing at 23 °C

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Flexural fatigue strength>1000000 ~According to IEC EN 61386 M25/P21 Testing at -45  $^{\circ}\mathrm{C}$ 



Impact strength4 According to IEC EN 61386 M25/P21 Testing at -25  $^\circ \text{C}$ 



System tear-out strength>230 NAccording to IEC EN 61386 M25/P21 Testing at 23  $^\circ\mathrm{C}$  Fitting M-PR0

### Thermal properties



Temperature / temperature range -50  $^{\circ}\text{C}$  – 120  $^{\circ}\text{C}$  / short term: 140  $^{\circ}\text{C}$ 

#### **Fire properties**



Fire classificationacc. to UL94: V2 self-extinguishing

EN 45545-2

Fire properties as per EN 45545-2C.I.T. R22 / R23 HL3 :0.25 NF X 70-100-1/-2 600°C (1112 °F)Ds (max.) R22 / R23 HL3 :180 ISO 5659-2 (25 KW/m²)LOI R22 / R23 HL2 :>28 % <32 % ISO 4589-2

NFPA 130
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Fire properties as per NFPAASTM E 162ASTM E 662ASTM E 1354Boeing BSS 7239Bombardier SMP 800-C

#### Chemical resistances



Resistant to:AlcoholGreasesFuelsLyesMineral oilsWeak acids

#### **Technical information**



Halogen-free



UV-resistant acc. to ISO 4892-2

#### Approvals and operating permits



EU railway approval





### Type EW-PRT

#### **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 of the guality 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.