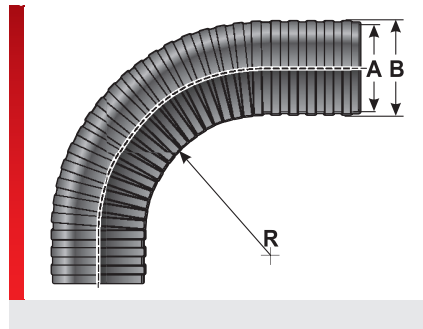
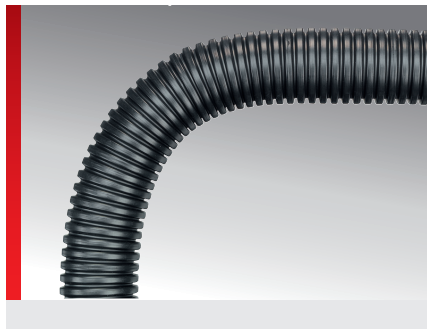


Type EW-PRT



Cable protection conduit closed

PRODUCT INFORMATION

The EW-PRT cable protection conduits are made of specially modified polyamide 12. The material is halogen, phosphor and cadmium-free. The EW-PRT cable protection conduits feature excellent crush resistance, self-extinguish very well and produce very low levels of smoke gas. For static and dynamic applications involving

medium to high mechanical loads. This product's excellent fire safety properties make it suitable for use in both railway technology and exposed layouts in building service applications.

- Specification
- EN 45545-2 3x HL3
 - GOST R 53313-2009

SPECIFICATIONS

- mod. polyamide PA 12
- According to IEC EN 61386
Crush resistance: > 600 N
- According to IEC EN 61386
Cycles: > 700000 ~
- According to IEC EN 61386
Tier: 4.5
- According to IEC EN 61386
System tear-out strength: > 230 N
- 40 – 120 °C short term 140 °C
- acc. to UL94 V2 self-extinguishing

Type	Order No.	Colour	A Ø mm	B Ø mm	R stat. mm	R dyn. mm	Weight kg/100m	Pack m
Standard corrugation								
EW-PRT-06 ¹⁾	83181850	Black	6.70	10.00	20.00	68.00	2.00	50
EW-PRT-M10/P07	83181852	Black	8.40	11.60	22.00	75.00	2.80	50
EW-PRT-M12/P09	83181854	Black	9.60	12.90	26.00	85.00	3.00	50
EW-PRT-M16/P11	83181856	Black	11.90	15.80	38.00	105.00	3.80	50
EW-PRT-M20/P16	83181858	Black	15.40	21.00	52.00	185.00	6.00	50
EW-PRT-M25/P21	83181862	Black	21.60	28.40	64.00	235.00	9.90	50
EW-PRT-M32/P29	83181866	Black	27.60	34.40	77.00	285.00	13.50	25
EW-PRT-M40/P36	83181868	Black	35.00	42.50	91.00	315.00	17.00	25
EW-PRT-M50/P48	83181870	Black	46.80	54.30	112.00	355.00	22.50	25

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

Type EW-PRT

MATERIAL PROPERTIES



mod. polyamide PA 12



High angle consistency

Crush resistance: > 600 N; Testing method: According to IEC EN 61386; Test value: M25/P21



Flexural fatigue strength

Cycles: > 700000 ~; Testing method: According to IEC EN 61386; Test value: M25/P21



Impact strength

Tier: 4.5; Testing method: According to IEC EN 61386; Test value: M25/P21



System tear-out strength

System tear-out strength: > 230 N; Testing method: According to IEC EN 61386; Test value: M25/P21

THERMAL PROPERTIES



Temperature / temperature range

-40 – 120 °C short term 140 °C

FIRE PROPERTIES



Fire classification

acc. to UL94 V2 self-extinguishing

Fire properties as per EN 45545-2

C.I.T. R22 / R23 HL3 = 00:40

LOI R22 / R23 HL3 = 35,5 %

Ds (max.) R22 / R23 HL3 = 121

TECHNICAL INFORMATION



Halogen-free

DIN 53474



UV-resistant acc. to ISO 4892-2

Wir empfehlen die Farbe Schwarz

CONFORMITY



RoHS (EC Directive 2011/65/EU)

APPROVALS AND OPERATING PERMITS



EU railway approval

EN 45545-2 R22/R23 3x HL3



cURus approval

E148958



Made in Germany

Type EW-PRT

Cable protection conduit closed

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.

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