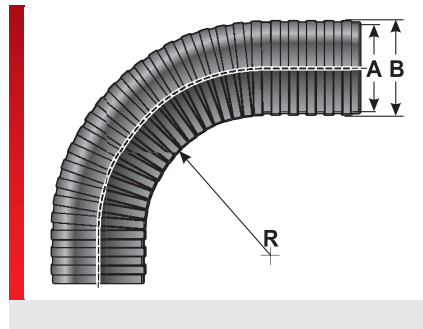


Type EW-PRF



Cable protection conduit closed

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

SPECIFICATIONS

- mod. polyamide PA 12
- According to IEC EN 61386
Crush resistance: > 1100 N
- According to IEC EN 61386
Cycles: > 16000 ~
- According to IEC EN 61386
Tier: 4
- According to IEC EN 61386
System tear-out strength: > 520 N
- 40 – 105 °C short term 150 °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-PRF-M10/P7	83181252	Black	8.50	11.60	21.00	46.00	2.00	50
EW-PRF-M12/P9	83181254	Black	9.80	13.00	22.00	51.00	2.50	50
EW-PRF-M16/P11	83181256	Black	11.80	15.90	28.00	68.00	3.60	50
EW-PRF-M20/P16	83181258	Black	15.60	21.10	38.00	95.00	5.50	50
EW-PRF-M25/P21	83181262	Black	21.60	28.50	49.00	109.00	10.00	50
EW-PRF-M32/P29	83181264	Black	28.00	34.50	67.00	142.00	12.00	25
EW-PRF-M40/P36	83181266	Black	35.00	42.50	81.00	191.00	17.00	25
EW-PRF-M50/P48	83181268	Black	47.00	54.30	102.00	237.00	23.00	25
EW-PRF-70 Jumbo	83181272	Black	68.40	80.00	200.00	390.00	44.00	25
EW-PRF-95 Jumbo ¹⁾	83181274	Black	89.40	106.10	265.00	500.00	80.50	10
Grey variants								
EW-PRF-M10/P7	83181212	Grey	8.50	11.60	21.00	46.00	2.10	50
EW-PRF-M12/P9 ¹⁾	83181214	Grey	9.80	13.00	22.00	51.00	2.50	50
EW-PRF-M16/P11 ¹⁾	83181216	Grey	11.80	15.90	28.00	68.00	3.60	50
EW-PRF-M20/P16 ¹⁾	83181218	Grey	15.60	21.10	38.00	95.00	5.80	50
EW-PRF-M25/P21	83181222	Grey	21.60	28.50	49.00	109.00	9.50	50
EW-PRF-M32/P29	83181224	Grey	28.00	34.50	67.00	142.00	12.00	25
EW-PRF-M40/P36 ¹⁾	83181226	Grey	35.00	42.50	81.00	191.00	16.50	25
EW-PRF-M50/P48 ¹⁾	83181228	Grey	47.00	54.30	102.00	237.00	23.00	25

Type EW-PRF

Type	Order No.	Colour	A Ø mm	B Ø mm	R stat. mm	R dyn. mm	Weight kg/100m	Pack m
EW-PRF-70 Jumbo ¹⁾	83181232	Grey	68.40	80.00	200.00	390.00	48.00	25
EW-PRF-95 Jumbo ¹⁾	83181234	Grey	89.40	106.10	265.00	500.00	81.00	10
Narrow corrugation								
EW-PRF-M20/P16S	83181260	Black	16.70	21.10	35.00	90.00	5.60	50
EW-PRF-M25/P21S ¹⁾	83181462	Black	23.00	28.30	44.00	104.00	10.00	50
EW-PRF-M32/P29S	83181464	Black	28.50	34.30	62.00	132.00	14.00	25
EW-PRF-M20/P16S ¹⁾	83181220	Grey	16.70	21.10	35.00	90.00	5.60	50
EW-PRF-M25/P21S ¹⁾	83181422	Grey	23.00	28.30	44.00	104.00	9.50	50
EW-PRF-M32/P29S ¹⁾	83181424	Grey	28.50	34.30	62.00	132.00	14.00	25
¹⁾ No stock goods, delivery time and minimum order quantities upon request								

MATERIAL PROPERTIES



mod. polyamide PA 12



High angle consistency

Crush resistance: > 1100 N; Testing method: According to IEC EN 61386; Test value: M25/P21



Flexural fatigue strength

Cycles: > 16000 ~; Testing method: According to IEC EN 61386; Test value: M25/P21



Impact strength

Tier: 4; Testing method: According to IEC EN 61386; Test value: M25/P21



System tear-out strength

System tear-out strength: > 520 N; Testing method: According to IEC EN 61386; Test value: M25/P21

THERMAL PROPERTIES



Temperature / temperature range

-40 – 105 °C short term 150 °C

FIRE PROPERTIES



Fire classification

acc. to UL94 V2 self-extinguishing

Smoke emission class

SR2 DIN 5510-2

Flammability classification

S4 DIN 5510-2

TECHNICAL INFORMATION



Halogen-free

DIN 53474



UV-resistant acc. to ISO 4892-2

Wir empfehlen die Farbe Schwarz


Type EW-PRF

CONFORMITY

 **RoHS (EC Directive 2011/65/EU)**

APPROVALS AND OPERATING PERMITS

 **ROBI approval**

 **cURus approval**
E148958

 **Made in Germany**

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