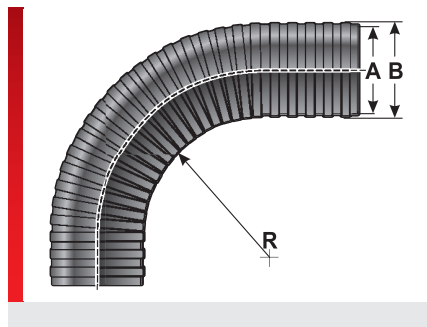
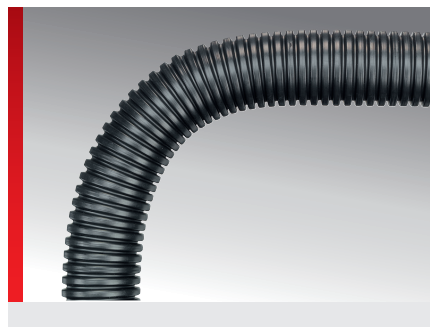


Type EW-PRF



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 robotics and the aerospace industry as well as in rail transport systems.

They feature the following advantages:

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

Specification:

- Germanischer Lloyd Type Approval

SPECIFICATIONS

- Mod. polyamide PA 12
- In conformity with IEC EN 61386
: > 1100 N
- Cycles: > 16000 ~
- Tier: 4
- > 520 N In conformity with IEC EN 61386
- 40 – 105 °C transient / short term
150 °C
- 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	2.10	50
EW-PRF-M12/P9	83181254	Black	9.80	13.00	22.00	51.00	2.80	50
EW-PRF-M16/P11	83181256	Black	11.80	15.90	28.00	68.00	3.80	50
EW-PRF-M20/P16	83181258	Black	15.60	21.10	38.00	95.00	5.80	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	14.00	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	48.00	25
EW-PRF-95 Jumbo ²⁾	83181274	Black	89.40	106.10	265.00	500.00	81.00	10
Grey variants								
EW-PRF-M10/P7	83181212	Grey	8.50	11.60	21.00	46.00	2.10	50
EW-PRF-M12/P9 ³⁾	83181214	Grey	9.80	13.00	22.00	51.00	2.80	50
EW-PRF-M16/P11 ⁴⁾	83181216	Grey	11.80	15.90	28.00	68.00	3.80	50
EW-PRF-M20/P16 ⁵⁾	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	10.00	50
EW-PRF-M32/P29	83181224	Grey	28.00	34.50	67.00	142.00	14.00	25
EW-PRF-M40/P36 ⁶⁾	83181226	Grey	35.00	42.50	81.00	191.00	17.00	25
EW-PRF-M50/P48 ⁹⁾	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 ¹⁰⁾	83181232	Grey	68.40	80.00	200.00	390.00	48.00	25
EW-PRF-95 Jumbo ²⁾	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	6.60	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 ⁶⁾	83181220	Grey	16.70	21.10	35.00	90.00	6.60	50
EW-PRF-M25/P21S ¹⁾	83181422	Grey	23.00	28.30	44.00	104.00	10.00	50
EW-PRF-M32/P29S ⁷⁾	83181424	Grey	28.50	34.30	62.00	132.00	14.00	25
¹⁾ Min. order quantity 500m								
²⁾ Min. order quantity 40m								
³⁾ Min. order quantity 2100m								
⁴⁾ Min. order quantity 1800m								
⁵⁾ Min. order quantity 900m								
⁶⁾ Min. order quantity 1000m								
⁷⁾ Min. order quantity 300m								
⁸⁾ Min. order quantity 200m								
⁹⁾ Min. order quantity 150m								
¹⁰⁾ Min. order quantity 75m								

MATERIAL PROPERTIES



Mod. polyamide PA 12



: > 1100 N; Testing method: In conformity with IEC EN 61386; Test value: M25/P21



Flexural fatigue strength

Cycles: > 16000 ~; Test value: M25/P21



Impact strength

Tier: 4; Test value: M25/P21



System tear-out strength

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

THERMAL PROPERTIES



Temperature / temperature range

-40 – 105 °C transient / short term 150 °C

FIRE BEHAVIOUR



Fire classification

V2 self-extinguishing

Smoke emission class

SR2 DIN 5510-2

Flammability classification

S4 DIN 5510-2

Type EW-PRF

TECHNICAL INFORMATION

HF Halogen-free
DIN 53474

CONFORMITY

RoHS RoHS (EC Directive 202/95/EC)

APPROVALS AND OPERATING PERMITS

ROBI ROBI approval

cURus cURus approval

Made in Germany Made in Germany

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