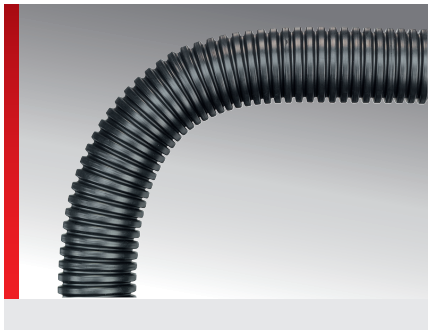
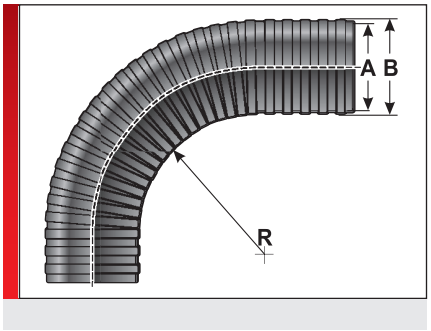
Type EW-PRF





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 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
- > 16000 ~
- 4
- > 520 N In conformity with IEC EN 61386
- -40 – 105 °C transient / short term 150 °C

GL | HF | RoHS | Made in Germany

Type	Order No.	Colour	A Ø mm	B Ø mm	Nominal widths NW	Size range mm	R stat. mm	R dyn. mm	Weight kg/100m	Pack m
Standard corrugation										
EW-PRF-M12/P9	83181254	Black	9.80	13.00			22.00	51.00	2.80	50

Suitable for

MATERIAL PROPERTIES

Mod. polyamide PA 12

MECHANICAL PROPERTIES

Crush resistance
Crush resistance: > 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

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Type EW-PRF

FIRE BEHAVIOUR

Fire classification
V2 self-extinguishing

Smoke emission class
SR2 DIN 5510-2

Flammability classification
S4 DIN 5510-2

APPROVALS AND OPERATING PERMITS

GL approval

ROBI approval

cURus approval

TECHNICAL INFORMATION

Halogen-free
DIN 53474

CONFORMITY

RoHS (EC Directive 202/95/EC)

GENERAL INFORMATION

Made in Germany

All details given in our sales material prospectuses 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.

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