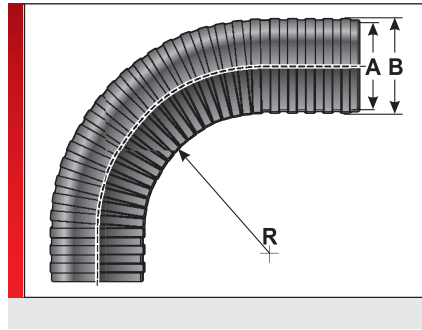
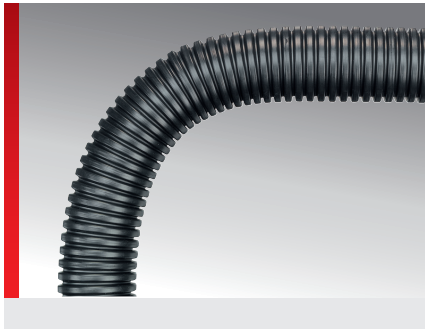


## Type EW-PRF



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 > 900 N/100 mm
	> 16000 ~
	4
	> 520 N In conformity with IEC EN 61386
	-40 – 105 °C transient / short term 150 °C

Type	Order No.	Colour	A Ø mm	B Ø mm	R stat. mm	R dyn. mm	Weight kg/100m	Pack m
<b>Standard corrugation</b>								
EW-PRF-M16/P11	83181256	Black	11.80	15.90	28.00	68.00	3.80	50

Suitable for

### MATERIAL PROPERTIES

Mod. polyamide PA 12

### MECHANICAL PROPERTIES

**Crush resistance**  
Crush resistance: > 900 N/100 mm; Testing method: In conformity with IEC EN 61386; Note: EW-PRF 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

## 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.

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