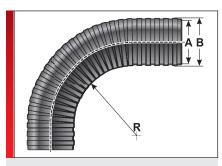


# **Type EW-PRF**







#### 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 ~







> 520 N In conformity with IEC EN 61386



-40 - 105 °C transient / short term













Туре	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
<b>Standard corrugation</b>										
EW-PRF-M32/P29	83181224	Grey	28.00	34.50			67.00	142.00	14.00	25

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

# **Cable protection conduit**



# **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.

All information with respect to the chemical and physical properties of Murrplastik products as well as application advice given verbally, in writing or by tests, is given to the best of our knowledge.

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Murrplastik accepts no responsibility for the available information being up-to-date, correct or complete. Neither do we accept responsibility for the quality of this information.

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