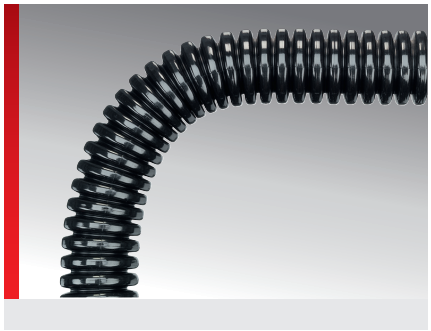
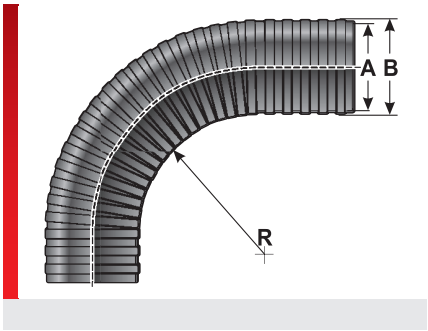
Type EWX-PAE (high corrugation)





PRODUCT INFORMATION

The EWX-PAE cable protection conduits are made of specially modified polyamide 12. The material is halogen, phosphor and cadmium-free.
With its excellent flexural fatigue strength, this product is ideal for robot technology and in the area of handling systems. For extremely dynamic applications involving medium to high mechanical loads.

The EWX-PAE cable protection conduits have a higher corrugation and feature the following advantages:

- Very good flexibility
- Excellent flexural fatigue strength
- Less wear
- Good crush resistance

SPECIFICATIONS

Mod. polyamide PA 12

In conformity with IEC EN 61386
Crush resistance: > 1200 N

In conformity with IEC EN 61386
Cycles: > 5000000 ~

In conformity with IEC EN 61386
Tier: 4

In conformity with IEC EN 61386
System tear-out strength: > 100 N

-40 – 120 °C transient / short term 150 °C

i.a.w. UL94 HB

HF UV RoHS Made in Germany

Type	Order No.	Colour	A Ø mm	B Ø mm	R stat. mm	R dyn. mm	Weight kg/100m	Pack m
High corrugation								
EWX-PAE-M50/P48	83182064	Black	36.70	53.50	87.00	167.00	36.00	25

MATERIAL PROPERTIES

Mod. polyamide PA 12

High angle consistency
Crush resistance: > 1200 N; Testing method: In conformity with IEC EN 61386; Test value: M25/P21

Flexural fatigue strength
Cycles: > 5000000 ~; Testing method: In conformity with IEC EN 61386; Test value: M25/P21

Impact strength
Tier: 4; Testing method: In conformity with IEC EN 61386; Test value: M25/P21

System tear-out strength
System tear-out strength: > 100 N; Testing method: In conformity with IEC EN 61386; Test value: M25/P21

THERMAL PROPERTIES

Temperature / temperature range
-40 – 120 °C transient / short term 150 °C

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Type EWX-PAE (high corrugation)

FIRE BEHAVIOUR

Fire classification
i.a.w. UL94 HB

TECHNICAL INFORMATION

Halogen-free
DIN 53474

UV-resistant
Wir empfehlen die Farbe Schwarz

CONFORMITY

RoHS (EC Directive 2011/65/EC)

APPROVALS AND OPERATING PERMITS

ROBI approval

Made in Germany

All details given in our sales brochures 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.
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