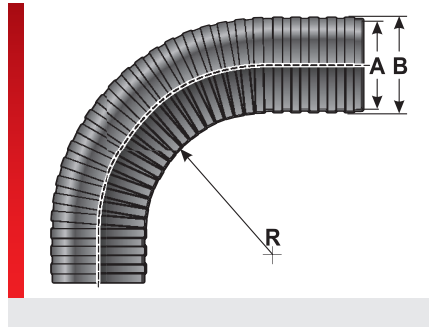
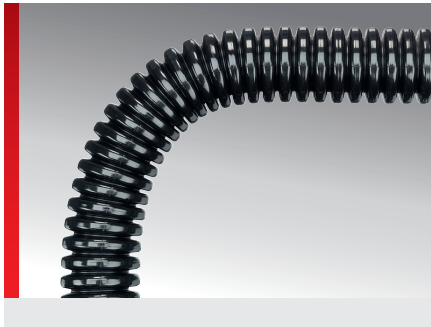


Type EWX-PAE (high corrugation)



Cable protection conduit closed Cable protection conduit

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 robotics engineering 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
-  According to IEC EN 61386
Crush resistance: > 1200 N
-  According to IEC EN 61386
Cycles: > 5000000 ~
-  According to IEC EN 61386
Tier: 4
-  According to IEC EN 61386
System tear-out strength: > 100 N
-  -40 – 120 °C short term 150 °C
-  acc. to UL94 HB
- Alcohol
- Greases
-  Fuels
- Lyes
- Mineral oils
- Weak acids











Article	Order No.	Color	UV	A Ø mm	B Ø mm	R stat. mm	R dyn. mm	Weight kg/100m	PU m
EWX-PAE M20/P16 Murrflex, sw	83182056	Black	✓	13.30	21.00	40.00	80.00	6.00	50
No stock goods, delivery time and minimum order quantities upon request									
EWX-PAE-M25/P21	83182058	Black	✓	18.30	28.00	49.00	104.00	11.00	50
EWX-PAE-M32/P29	83182060	Black	✓	23.10	34.50	57.00	117.00	12.00	25
EWX-PAE-M40/P36	83182062	Black	✓	28.50	42.20	71.00	146.00	18.20	25
EWX-PAE-M50/P48	83182064	Black	✓	36.70	53.50	87.00	167.00	24.00	25
EWX-PAE-56 Jumbo	83182078	Black	✓	52.20	67.70	95.00	220.00	40.00	25
EWX-PAE-70 Jumbo	83182080	Black	✓	64.00	80.30	115.00	235.00	52.00	25
EWX-PAE-70 Jumbo	83182084	Black		64.00	80.30	115.00	235.00	52.00	110
EWX-PAE-80 Jumbo	83182081	Black		76.00	92.80	195.00	380.00	66.00	15
EWX-PAE-95 Jumbo	83182082	Black		88.20	105.50	220.00	450.00	82.00	10
EWX-PAE-M25/P21 ¹⁾	83182018	Gray		18.30	28.00	49.00	104.00	11.00	50
No stock goods, delivery time and minimum order quantities upon request									
EWX-PAE-M32/P29 ¹⁾	83182020	Gray		23.10	34.50	57.00	117.00	12.00	25

Type EWX-PAE (high corrugation)

Article	Order No.	Color	UV	A Ø mm	B Ø mm	R stat. mm	R dyn. mm	Weight kg/100m	PU m
EWX-PAE-M40/P36 ¹⁾	83182022	Gray		28.50	42.20	71.00	146.00	18.20	25
No stock goods, delivery time and minimum order quantities upon request									
¹⁾ Discontinued product!									

MATERIAL PROPERTIES


Material

mod. polyamide PA 12


High angle consistency

Crush resistance: > 1200 N; Testing method: According to IEC EN 61386; Test value: M25/P21


Flexural fatigue strength

Cycles: > 5000000 ~; Testing method: According to IEC EN 61386; Test value: M25/P21


Impact strength

Tier: 4; Testing method: According to IEC EN 61386; Test value: M25/P21


System tear-out strength

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

THERMAL PROPERTIES


Temperature / temperature range

-40 – 120 °C short term 150 °C

FIRE PROPERTIES


Fire classification

acc. to UL94 HB

CHEMICAL RESISTANCE


Resistant to:

 Alcohol
 Greases
 Fuels
 Lyes
 Mineral oils
 Weak acids

TECHNICAL INFORMATION


Halogen-free

DIN 53474


UV-resistant acc. to ISO 4892-2

We recommend black color

APPROVALS AND OPERATING PERMITS


ROBI approval

ECOLAB approval

F&E/P3-ENr. 40-1

Type EWX-PAE (high corrugation)

GENERAL INFORMATION



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.

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