



## 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 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

### Information, conformities and approvals



Article	Order No.	Color	UV	metric	PG	NW	A Ø mm	B Ø mm	Stat./Dyn. Radius mm	Weight kg/100m	PU m
EWX-PAE M20/ P16 <small>1)**</small>	83182056	Black	✓	M20	PG16	NW 17	13.3	21	40/80	6.0	50
EWX-PAE-M25/ P21	83182058	Black	✓	M25	PG21	NW 23	18.3	28	49/104	11.0	50
EWX-PAE-M32/ P29	83182060	Black	✓	M32	PG29	NW 29	23.1	34.5	57/117	12.0	25
EWX-PAE-M40/ P36	83182062	Black	✓	M40	PG36	NW 36	28.5	42.2	71/146	18.2	25
EWX-PAE-M50/ P48	83182064	Black	✓	M50	PG48	NW 48	36.7	53.5	87/167	24.0	25
EWX-PAE-56 Jumbo	83182078	Black	✓			NW 56	52.2	67.7	95/220	40.0	25
EWX-PAE-70 Jumbo	83182080	Black	✓			NW 70	64	80.3	115/235	52.0	25
EWX-PAE-70 Jumbo	83182084	Black	✗			NW 70	64	80.3	115/235	52.0	110
EWX-PAE-80 Jumbo	83182081	Black	✗			NW 80	76	92.8	195/380	66.0	15
EWX-PAE-95 Jumbo	83182082	Black	✗			NW 95	88.2	105.5	220/450	82.0	10
EWX-PAE-M25/ P21 <small>1)**</small>	83182018	Gray	✗	M25	PG21	NW 23	18.3	28	49/104	11.0	50
EWX-PAE-M32/ P29 <small>1)</small>	83182020	Gray	✗	M32	PG29	NW 29	23.1	34.5	57/117	12.0	25
EWX-PAE-M40/ P36 <small>1)</small>	83182022	Gray	✗	M40	PG36	NW 36	28.5	42.2	71/146	18.2	25



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1) 1\*\*)

1) Discontinued product!

1\*\*) No stock goods, delivery time and minimum order quantities upon request

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### Material properties



mod. polyamide PA 12



High angle consistency

>490 N 50 x 50 mm According to IEC EN 61386 M25/P21 Testing at 23 °C  
>940 N 100 x 100 mm According to IEC EN 61386 M25/P21 Testing at 23 °C



Flexural fatigue strength

>5000000 Cycles According to IEC EN 61386 M25/P21 Testing at -45 °C



Impact strength

4 According to IEC EN 61386 M25/P21 Testing at -25 °C



System tear-out strength

>170 N According to IEC EN 61386 M25/P21 Testing at 23 °C Fitting M-PRO

### Thermal properties



Temperature / temperature range

-40 °C - 120 °C / short term: 150 °C

### Fire properties



Fire classification

acc. to UL94: HB

### Chemical resistances



Resistant to:

Alcohol  
Greases  
Fuels  
Lyes  
Mineral oils  
Weak acids



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### Technical information



Halogen-free



UV-resistant acc. to ISO 4892-2

### Approvals and operating permits



ROBI approval



ECOLAB approval

### Classification

ETIM 9: EC001175  
ECLASS 14: 27430305

### General information



Made in Germany