



Type EWX-PAE-LS (high corrugation)



Product information

The EWX-PAE-LS 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 installation of pre-assembled cables, retrofitting or repair of cables. For dynamic applications involving light to medium mechanical loads.

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

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



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-LS-M20/P16	83182256	Black	✓	M20	PG16	NW 17	13.3	21.1	36/77	6.0	50
EWX-PAE-LS-M25/P21	83182258	Black	✓	M25	PG21	NW 23	19.2	28.2	49/104	11.0	50
EWX-PAE-LS-M32/P29	83182260	Black	✓	M32	PG29	NW 29	23.1	34.5	57/117	14.0	25
EWX-PAE-LS-M40/P36	83182262	Black	✓	M40	PG36	NW 36	28.5	42.2	71/146	18.2	25
EWX-PAE-LS-M50/P48	83182264	Black	✓	M50	PG48	NW 48	36.5	53.6	87/167	24.0	25
EWX-PAE-LS-56 Jumbo	83182278	Black	✓			NW 56	51.7	67.7	95/220	40.0	25
EWX-PAE-LS-70 Jumbo	83182280	Black	✓			NW 70	64.3	80.3	115/235	52.0	25

Material properties



mod. polyamide PA 12



High angle consistency

>340 N 50 x 50 mm According to IEC EN 61386 M25/P21 Testing at 23 °C
>570 N 100 x 100 mm According to IEC EN 61386 M25/P21 Testing at 23 °C



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Material properties



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

>420 N According to IEC EN 61386 M25/P21 Testing at 23 °C Fitting SVT/X

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

Technical information



Halogen-free



UV-resistant acc. to ISO 4892-2

Conformity



RoHS (EC Directive 2011/65/EU)

Approvals and operating permits



ROBI approval



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Approvals and operating permits



ECOLAB approval

Classification

ETIM 9: EC001175
ECLASS 14: 27430305
UNSPSC 26.0801: 39131601

General information



Made in Germany