



## Typ EWL-PAB, or



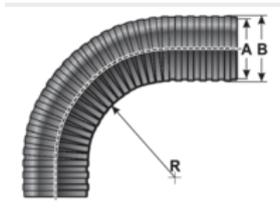
### Product information

EWL-PAB cable protection conduits are made of a specially modified UV-stabilized polyamide 6 in the signal color orange (RAL 2003). They are characterized by excellent self-extinguishing properties as well as high crush and impact resistance and are suitable for static and slightly dynamic applications involving low to medium mechanical loads.

Applications:

- Electromobility
- Vehicle engineering

### 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
EWL-PAB 06	83164106	Orange	✓				6.9	10	23/-	1.5	100
EWL-PAB M10/ P07	83164108	Orange	✓	M10	PG07	NW 7	8.55	11.5	20/-	1.8	100
EWL-PAB M12/ P09	83164109	Orange	✓	M12	PG09	NW 10	9.9	13	20/-	2.2	100
EWL-PAB M16/ P11S	83164111	Orange	✓	M16	PG11	NW 12	12.8	15.7	25/-	2.9	100
EWL-PAB M20/ P16S	83164114	Orange	✓	M20	PG16	NW 17	16.5	20.9	45/-	5.4	100
EWL-PAB M25/ P21S	83164116	Orange	✓	M25	PG21	NW 23	23.1	28.3	50/-	7.4	100
EWL-PAB M32/ P29S	83164119	Orange	✓	M32	PG29	NW 29	28.8	34.5	60/-	10.6	50
EWL-PAB M40/ P36S	83164121	Orange	✓	M40	PG36	NW 36	36.2	42.1	75/-	12.8	25
EWL-PAB M50/ P48S	83164123	Orange	✓	M50	PG48	NW 48	47.5	54.5	90/-	17.0	25

### Material properties



mod. polyamide PA 6



## Typ EWL-PAB, or

### Material properties



High angle consistency

>550 N 50 x 50 mm According to IEC EN 61386 M25/P21 Testing at 23 °C  
>950 N 100 x 100 mm According to IEC EN 61386 M25/P21 Testing at 23 °C



Flexural fatigue strength

>8000 Cycles According to IEC EN 61386 M25/P21 Testing at -45 °C



Impact strength

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



System tear-out strength

>270 N According to IEC EN 61386 M25/P21 Testing at 23 °C Fitting M-PRO

### Thermal properties



Temperature / temperature range

-45 °C - 120 °C / short term: 160 °C

### Fire properties



Fire classification

acc. to UL94: V0 self-extinguishing



Fire properties as per EN 45545-2

C.I.T. R22 / R23 HL3 :0.61 NF X 70-100-1/-2 600°C (1112 °F)  
Ds (max.) R22 / R23 HL3 :68 ISO 5659-2 (25 KW/m<sup>2</sup>)  
LOI R22 / R23 HL3 :32 ISO 4589-2



Fire properties as per NFPA

ASTM E 162  
ASTM E 1354  
ASTM E 662  
Boeing BSS 7239  
Boeing BSS 7242  
Bombardier SMP 800-C

### Chemical resistances



Resistant to:

Alcohol  
Mineral oils  
Greases  
Fuels

### Technical information



Halogen-free



## Typ EWL-PAB, or

### Technical information



UV-resistant acc. to ISO 4892-2



Interior



exterior

### Conformity



RoHS (EC Directive 2011/65/EU)



ECE 324 R 118

### Approvals and operating permits



EU railway approval



cURus approval

### Classification

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

### General information



Made in Germany