



## Type EW-PA-EX



### Product information

The EW-PA-EX cable protection conduits are made of specially modified polyamide 12 a high discharge capacity. The material is halogen, phosphor and cadmium-free.

EW-PA-EX cable protection conduits meet the electrostatic requirements for conductive materials when earthed. At the same time, they offer outstanding flexibility. With appropriate earthing they can be used in dust explosion hazardous areas of Zone 20, 21 and 22 as well as in gas explosion hazardous areas of Zone 0, 1 and 2 (independent of the explosion group of the existing gas).

These EW-PA-EX conduit properties make them the perfect choice for industrial handling systems and robotics applications and in all areas where antistatic (ESD protection) equipment is required (mining, refineries, chemical industry).

### Information, conformities and approvals



Article	Order No.	Color	metric	PG	NW	A Ø mm	B Ø mm	Stat./Dyn. Radius mm	Weight kg/100m	PU m
EW-PA-EX-M16/P1183163654		Black	M16	PG11	NW 12	11.8	15.7	20/60	3.4	50
EW-PA-EX-M20/P16	83163656	Black	M20	PG16	NW 17	15.6	21	25/80	5.3	50
EW-PA-EX-M25/P21	83163658	Black	M25	PG21	NW 23	21.8	28.3	35/95	9.0	50
EW-PA-EX-M32/P29	83163660	Black	M32	PG29	NW 29	27.6	34.3	50/125	12.2	25
EW-PA-EX-M40/P36	83163662	Black	M40	PG36	NW 36	35	42.4	60/170	16.3	25
EW-PA-EX-M50/P48	83163664	Black	M50	PG48	NW 48	47	53.9	75/210	22.3	25
EW-PA-EX-70 Jumbo <sup>1)</sup>	83163666	Black			NW 70	66.2	78.8	160/350	48.0	25
EW-PA-EX-95 Jumbo <sup>1)</sup>	83163668	Black			NW 95	90	105.5	210/450	89.0	10

<sup>1)</sup> No stock goods, delivery time and minimum order quantities upon request

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### Material properties



mod. polyamide PA 12



High angle consistency

>220 N 50 x 50 mm According to IEC EN 61386 M25/P21 Testing at 23 °C  
>380 N 100 x 100 mm According to IEC EN 61386 M25/P21 Testing at 23 °C



Flexural fatigue strength

>1000000 Cycles According to IEC EN 61386 M25/P21 Testing at -25 °C



Impact strength

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



System tear-out strength

>210 N According to IEC EN 61386 M25/P21 Testing at 23 °C

### Thermal properties



Temperature / temperature range

-40 °C - 110 °C / short term: 150 °C

### Fire properties



Fire classification

acc. to UL94: HB

### Chemical resistances



Resistant to:

Alcohol  
Mineral oils  
Greases  
Fuels

### Technical information



Halogen-free

### Conformity



RoHS (EC Directive 2011/65/EU)

### Approvals and operating permits



EX approval



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### Approvals and operating permits



ROBI approval

### Classification

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

### General information



Made in Germany