



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





HF ROHS EX And In Germany

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/P	1183163654	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 1)	83163666	Black			NW 70	66.2	78.8	160/350	48.0	25
EW-PA-EX-95 Jumbo 1)	83163668	Black order quantities upon rer			NW 95	90	105.5	210/450	89.0	10

Material properties

mod. polyamide PA 12





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Material properties



High angle consistency>220 N 380 N50 x 50 mm 100 x 100 mm According to IEC EN 61386 According to IEC EN 61386 M25/P21 M25/P21 Testing at 23 °C



M25/P21 Testing at 23 °C Testing at 23 °C Flexural fatigue strength>1000000 ~According to IEC EN 61386 M25/P21 Testing at -25 °C



Impact strength4.5 According to IEC EN 61386 M25/P21 Testing at -25 $^{\circ}\mathrm{C}$



System tear-out strength>210 NAccording to IEC EN 61386 M25/P21 Testing at 23 $^\circ \rm C$

Thermal properties



Temperature / temperature range -40 °C - 110 °C / short term: 150 °C

Fire properties



Fire classificationacc. 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



ROBI approval





Type EW-PA-EX

Classification



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

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. The electronic data and files made available by Murrplastik, particularly CAD files are based on our current knowledge of the product described. A legally binding assurance of certain properties or the suitability for a certain purpose can not be determined from this information. All information with respect to the chemical and physical properties of Murrplastik products, as well as application advice given verbally, in writing or by tests, is given to the best of our knowledge. They do not release the buyer from the obligation to carry out his own tests and trials in order to determine the concrete suitability of the products for the intended purpose. Murrplastik accepts no responsibility for the available information being up-to-date, correct or complete. Neither do we accept responsibility for the quality of this information. Murrplastik accepts no liability for damage caused as a result of using our products. Murrplastik reserves the right to make technical changes and improvements through constant further development of products and services. Our General Terms and Conditions apoly.

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