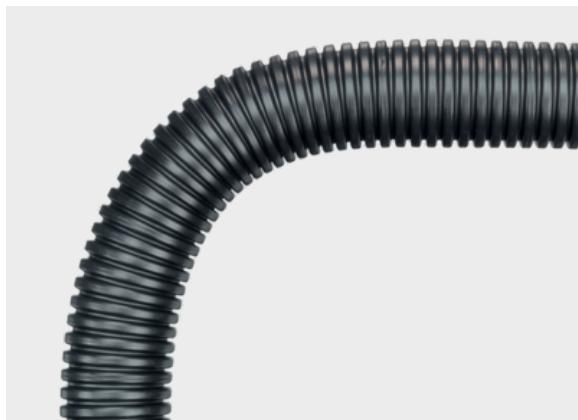


Type EW-PAE



Product information

The EW-PAE cable protection conduits are made of specially modified polyamide 12. The material is halogen, phosphor and cadmium-free. The EW-PAE cable protection conduits are characterised by excellent flexibility, flexural fatigue strength and good crush resistance. For extremely dynamic applications involving medium mechanical loads.

Applications:

- Robotics
- Handling systems
- in cable drag chains

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
EW-PAE-06	83181650	Black	✓				6.4	9.8	15/40	2.0	50
EW-PAE-M10/P7	83181652	Black	✓	M10	PG07	NW 7	8.5	11.5	20/45	2.1	50
EW-PAE M12/P09, 83988262 200m		Black	✗	M12	PG09	NW 10	9.9	12.4	21/51	2.8	200
EW-PAE-M12/P9	83181654	Black	✓	M12	PG09	NW 10	9.9	12.4	21/51	2.8	50
EW-PAE-M16/P11	83181656	Black	✓	M16	PG11	NW 12	11.9	15.6	28/68	3.8	50
EW-PAE M16/ P11 Murrflex, sw, 200m	83988265	Black	✗	M16	PG11	NW 12	11.9	15.6	28/68	3.8	200
EW-PAE-M20/ P16	83181658	Black	✓	M20	PG16	NW 17	15.6	21	36/70	5.8	50
EW-PAE M20/ P16, 200m	83988263	Black	✗	M20	PG16	NW 17	15.6	21	36/70	5.8	200
EW-PAE-M25/P21	83181660	Black	✓	M25	PG21	NW 23	21.8	28.3	49/109	9.5	50
EW-PAE-M32/ P29	83181662	Black	✓	M32	PG29	NW 29	27.8	34	67/142	12.6	25
EW-PAE M32/ P29, 200m	83988264	Black	✗	M32	PG29	NW 29	27.8	34	67/142	12.6	200
EW-PAE-M40/ P36	83181664	Black	✓	M40	PG36	NW 36	34.9	42	81/191	17.0	25
EW-PAE-M50/ P48	83181666	Black	✓	M50	PG48	NW 48	46.3	53.9	102/237	22.8	25



Type EW-PAE

Article	Order No.	Color	UV	metric	PG	NW	A Ø mm	B Ø mm	Stat./Dyn. Radius mm	Weight kg/100m	PU m
EW-PAE-56 Jumbo	83181678	Black	✓			NW 56	56	67.3	110/310	40.0	25
EW-PAE-70 Jumbo	83181680	Black	✓			NW 70	67.4	79.3	200/390	48.0	25
EW-PAE-80 Jumbo	83181681	Black	✓			NW 80	79	93	220/440	62.0	15
EW-PAE-95 Jumbo	83181682	Black	✓			NW 95	89.7	105.8	265/500	83.0	10
EW-PAE-06 1)	83181610	Gray	✗				6.4	9.8	15/40	2.0	50
EW-PAE-M10/P7	83181612	Gray	✗	M10	PG07	NW 7	8.5	11.5	20/45	2.1	50
EW-PAE-M12/P9	83181614	Gray	✗	M12	PG09	NW 10	9.9	12.4	21/51	2.8	50
EW-PAE-M16/P11	83181616	Gray	✗	M16	PG11	NW 12	11.9	15.6	28/68	3.8	50
EW-PAE-M20/ P16	83181618	Gray	✗	M20	PG16	NW 17	15.6	21	36/70	5.8	50
EW-PAE-M25/P21	83181620	Gray	✗	M25	PG21	NW 23	21.8	28.3	49/109	9.5	50
EW-PAE-M32/ P29	83181622	Gray	✗	M32	PG29	NW 29	27.8	34	67/142	12.6	25
EW-PAE-M40/ P36	83181624	Gray	✗	M40	PG36	NW 36	34.9	42	81/191	17.0	25
EW-PAE-M50/ P48	83181626	Gray	✗	M50	PG48	NW 48	46.3	53.9	102/237	22.8	25
EW-PAE-56 Jumbo 1)	83181638	Gray	✗			NW 56	56	67.3	110/310	40.0	25
EW-PAE-70 Jumbo 2)	83181640	Gray	✗			NW 70	67.4	79.3	200/390	48.0	25
EW-PAE-95 Jumbo 2)	83181642	Gray	✗			NW 95	89.7	105.8	265/500	83.0	10

1) Discontinued product!

2) No stock goods, delivery time and minimum order quantities upon request

1) Discontinued product!

2) No stock goods, delivery time and minimum order quantities upon request

Material properties



mod. polyamide PA 12



High angle consistency

>250 N 50 x 50 mm According to IEC EN 61386 M25/P21 Testing at 23 °C
>430 N 100 x 100 mm According to IEC EN 61386 M25/P21 Testing at 23 °C



Type EW-PAE

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

>180 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

Technical information



Halogen-free



UV-resistant acc. to ISO 4892-2

Approvals and operating permits



ROBI approval



ECOLAB approval



Type EW-PAE

Classification

ETIM 9: EC001175
ECLASS 14: 27430305

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 apply.