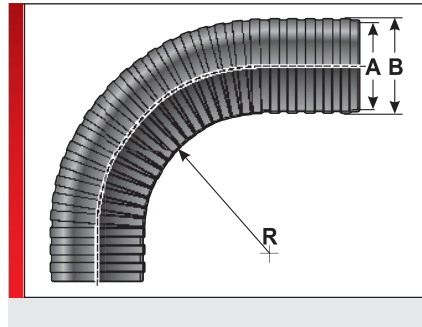
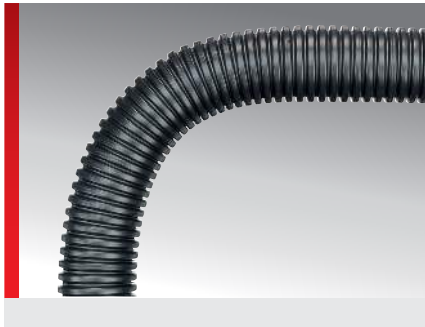


## Type EW-PAE



Cable protection conduit closed

### 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

### SPECIFICATIONS

- Mod. polyamide PA 12
- In conformity with IEC EN 61386 > 500 N
- > 5000000 ~ In conformity with IEC EN 61386
- 4 In conformity with IEC EN 61386
- > 150 N In conformity with IEC EN 61386
- 40 – 120 °C transient / short term 150 °C

Type	Order No.	Colour	A Ø mm	B Ø mm	Nominal widths NW	Size range mm	R stat. mm	R dyn. mm	Weight kg/100m	Pack m
<b>Standard corrugation</b>										
EW-PAE-06	83181650	Black	6.50	9.80			15.00	40.00	1.80	50
EW-PAE-M10/P7	83181652	Black	8.50	11.50			20.00	45.00	2.10	50
EW-PAE-M12/P9	83181654	Black	9.60	12.80			21.00	51.00	2.60	50
EW-PAE-M16/P11	83181656	Black	11.90	15.60			28.00	68.00	3.60	50
EW-PAE-M20/P16	83181658	Black	15.50	20.80			36.00	70.00	5.30	50
EW-PAE-M25/P21	83181660	Black	21.80	28.30			49.00	109.00	9.00	50
EW-PAE-M32/P29	83181662	Black	27.80	34.40			67.00	142.00	12.00	25
EW-PAE-M40/P36	83181664	Black	34.90	42.00			81.00	191.00	16.00	25
EW-PAE-M50/P48	83181666	Black	47.00	54.00			102.00	237.00	22.00	25
EW-PAE-56 Jumbo	83181678	Black	56.00	67.30			110.00	310.00	40.00	25
EW-PAE-70 Jumbo	83181680	Black	67.40	79.00			200.00	390.00	56.00	25
EW-PAE-95 Jumbo	83181682	Black	89.70	105.00			265.00	500.00	80.00	10
<b>Grey variants</b>										
EW-PAE-06 <sup>1)</sup>	83181610	Grey	6.50	9.80			15.00	40.00	1.80	50
EW-PAE-M10/P7	83181612	Grey	8.50	11.50			20.00	45.00	2.10	50
EW-PAE-M12/P9	83181614	Grey	9.60	12.80			21.00	51.00	2.60	50
EW-PAE-M16/P11	83181616	Grey	11.90	15.60			28.00	68.00	3.60	50
EW-PAE-M20/P16	83181618	Grey	15.50	20.80			36.00	70.00	5.30	50
EW-PAE-M25/P21	83181620	Grey	21.80	28.30			49.00	109.00	9.00	50
EW-PAE-M32/P29	83181622	Grey	27.80	34.40			67.00	142.00	12.00	25
EW-PAE-M40/P36	83181624	Grey	34.90	42.00			81.00	191.00	16.00	25

## Type EW-PAE

Type	Order No.	Colour	A Ø mm	B Ø mm	Nominal widths NW	Size range mm	R stat. mm	R dyn. mm	Weight kg/100m	Pack m
EW-PAE-M50/P48	83181626	Grey	47.00	54.00			102.00	237.00	22.00	25
EW-PAE-56 Jumbo	83181638	Grey	56.00	67.30			110.00	310.00	35.00	25
EW-PAE-70 Jumbo <sup>2)</sup>	83181640	Grey	67.40	79.30			200.00	390.00	56.00	25
EW-PAE-95 Jumbo	83181642	Grey	89.70	105.80			265.00	500.00	80.00	10

<sup>1)</sup> Min. order quantity 3500 m

<sup>2)</sup> Min. order quantity 75 m

### MATERIAL PROPERTIES



Mod. polyamide PA 12

### MECHANICAL PROPERTIES



#### Crush resistance

Crush resistance: > 500 N; Testing method: In conformity with IEC EN 61386; Test value: M25/P21



#### Flexural fatigue strength

Cycles: > 5000000 ~; Testing method: In conformity with IEC EN 61386; Test value: M25/P21



#### Impact strength

Tier: 4; Testing method: In conformity with IEC EN 61386; Test value: M25/P21



#### System tear-out strength

System tear-out strength: > 150 N; Testing method: In conformity with IEC EN 61386; Test value: M25/P21

### THERMAL PROPERTIES



#### Temperature / temperature range

-40 – 120 °C transient / short term 150 °C

### FIRE BEHAVIOUR



#### Fire classification

HB

### APPROVALS AND OPERATING PERMITS



ROBI approval

### TECHNICAL INFORMATION



#### Halogen-free

DIN 53474

### CONFORMITY



RoHS (EC Directive 202/95/EC)

### GENERAL INFORMATION



Made in Germany

## Type EW-PAE

All details given in our sales material prospectuses 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.

This does not free the purchaser of carrying out their own inspections and tests in order to determine the suitability of a product for a specific 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.

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