



## 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/P2183181660		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



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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

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## 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