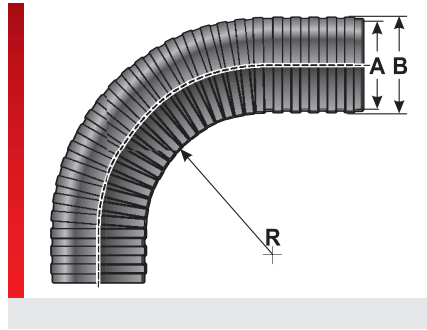
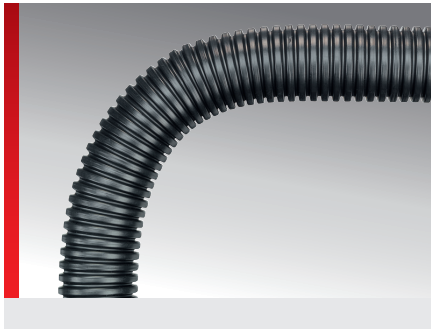


Type EW-PAE



Cable protection conduit closed Cable protection conduit

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
-  According to IEC EN 61386
Crush resistance: > 500 N
-  According to IEC EN 61386
Cycles: > 5000000 ~
-  According to IEC EN 61386
Tier: 4
-  According to IEC EN 61386
System tear-out strength: > 150 N
-  -40 – 120 °C short term 150 °C
-  acc. to UL94 HB
- Alcohol
- Greases
-  Fuels
- Lyes
- Mineral oils
- Weak acids











Article	Order No.	Color	UV	A Ø mm	B Ø mm	R stat. mm	R dyn. mm	Weight kg/100m	PU m
EW-PAE-06	83181650	Black	✓	6.40	9.80	15.00	40.00	2.00	50
EW-PAE-M10/P7	83181652	Black	✓	8.50	11.50	20.00	45.00	2.10	50
EW-PAE M12/P09, 200m	83988262	Black		9.90	12.40	21.00	51.00	2.80	200
EW-PAE-M12/P9	83181654	Black	✓	9.90	12.40	21.00	51.00	2.80	50
EW-PAE-M16/P11	83181656	Black	✓	11.90	15.60	28.00	68.00	3.80	50
EW-PAE M16/P11 Murrflex, sw, 200m	83988265	Black		11.90	15.60	28.00	68.00	3.80	200
EW-PAE-M20/P16	83181658	Black	✓	15.60	21.00	36.00	70.00	5.80	50
EW-PAE M20/P16, 200m	83988263	Black		15.60	21.00	36.00	70.00	5.80	200
EW-PAE-M25/P21	83181660	Black	✓	21.80	28.30	49.00	109.00	9.50	50
EW-PAE-M32/P29	83181662	Black	✓	27.80	34.00	67.00	142.00	12.60	25
EW-PAE M32/P29, 200m	83988264	Black		27.80	34.00	67.00	142.00	12.60	200
EW-PAE-M40/P36	83181664	Black	✓	34.90	42.00	81.00	191.00	17.00	25
EW-PAE-M50/P48	83181666	Black	✓	46.30	53.90	102.00	237.00	22.80	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	79.30	200.00	390.00	48.00	25
EW-PAE-80 Jumbo	83181681	Black	✓	79.00	93.00	220.00	440.00	62.00	15

Type EW-PAE

Article	Order No.	Color	UV	A Ø mm	B Ø mm	R stat. mm	R dyn. mm	Weight kg/100m	PU m
EW-PAE-95 Jumbo	83181682	Black	✓	89.70	105.80	265.00	500.00	83.00	10
EW-PAE-06 ¹⁾	83181610	Gray		6.40	9.80	15.00	40.00	2.00	50
EW-PAE-M10/P7	83181612	Gray		8.50	11.50	20.00	45.00	2.10	50
EW-PAE-M12/P9	83181614	Gray		9.90	12.40	21.00	51.00	2.80	50
EW-PAE-M16/P11	83181616	Gray		11.90	15.60	28.00	68.00	3.80	50
EW-PAE-M20/P16	83181618	Gray		15.60	21.00	36.00	70.00	5.80	50
EW-PAE-M25/P21	83181620	Gray		21.80	28.30	49.00	109.00	9.50	50
EW-PAE-M32/P29	83181622	Gray		27.80	34.00	67.00	142.00	12.60	25
EW-PAE-M40/P36	83181624	Gray		34.90	42.00	81.00	191.00	17.00	25
EW-PAE-M50/P48	83181626	Gray		46.30	53.90	102.00	237.00	22.80	25
EW-PAE-56 Jumbo ¹⁾	83181638	Gray		56.00	67.30	110.00	310.00	40.00	25
EW-PAE-70 Jumbo ²⁾	83181640	Gray		67.40	79.30	200.00	390.00	48.00	25
EW-PAE-95 Jumbo ²⁾	83181642	Gray		89.70	105.80	265.00	500.00	83.00	10

¹⁾ Discontinued product!

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

MATERIAL PROPERTIES



Material

mod. polyamide PA 12



High angle consistency

Crush resistance: > 500 N; Testing method: According to IEC EN 61386; Test value: M25/P21



Flexural fatigue strength

Cycles: > 5000000 ~; Testing method: According to IEC EN 61386; Test value: M25/P21



Impact strength

Tier: 4; Testing method: According to IEC EN 61386; Test value: M25/P21



System tear-out strength

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

THERMAL PROPERTIES



Temperature / temperature range

-40 – 120 °C short term 150 °C

FIRE PROPERTIES



Fire classification

acc. to UL94 HB

CHEMICAL RESISTANCE



Resistant to:

Alcohol
Greases
Fuels
Lyes
Mineral oils
Weak acids

Type EW-PAE

TECHNICAL INFORMATION



Halogen-free
DIN 53474



UV-resistant acc. to ISO 4892-2
We recommend black color

APPROVALS AND OPERATING PERMITS



ROBI approval



ECOLAB approval
F&E/P3-ENr. 40-1

GENERAL INFORMATION



Made in Germany

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