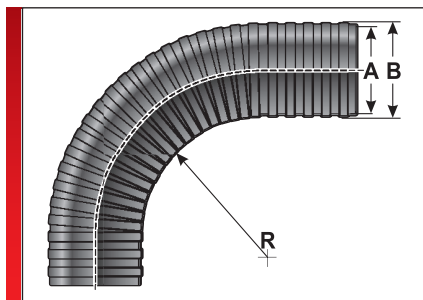
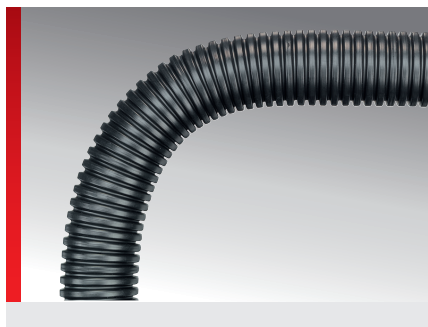


Type EW-PAT



Cable protection conduit closed

PRODUCT INFORMATION

The EW-PAT cable protection conduits are made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free.

The EW-PAT cable protection conduits feature excellent crush resistance, self-extinguish very well and produce very low levels of smoke gas.

For static applications involving medium to

high mechanical loads. This product's excellent fire safety properties make it suitable for use in both rail transport systems and exposed layouts in building service applications.

Specification:

- EN 45545-2:2016 3x HL3
- GOST R 53313-2009

SPECIFICATIONS

- Mod. polyamide PA 6
- In conformity with IEC EN 61386 > 800 N
- > 1200 ~ In conformity with IEC EN 61386
- 3 In conformity with IEC EN 61386
- > 500 N In conformity with IEC EN 61386
- 40 – 120 °C transient / short term 140 °C

Type	Order No.	Colour	A Ø mm	B Ø mm	R stat. mm	Weight kg/100m	Pack m
EW-PAT 06	83165050	Black	6.50	10.00	20.00	2.40	50
			8.30	11.60	24.00	2.50	50
EW-PAT M12/P9	83165052	Black	9.90	13.00	26.00	2.60	50
EW-PAT M16/P11	83165054	Black	12.00	16.00	38.00	3.40	50
EW-PAT M20/P16	83165056	Black	15.50	21.00	56.00	6.30	50
EW-PAT M25/P21	83165058	Black	21.80	28.40	64.00	9.60	50
EW-PAT M32/P29	83165060	Black	27.80	34.70	77.00	12.50	25
EW-PAT M40/P36	83165062	Black	35.60	42.80	91.00	15.00	25
EW-PAT M50/P48	83165064	Black	46.70	54.30	117.00	20.00	25

MATERIAL PROPERTIES

Mod. polyamide PA 6

Type EW-PAT

MECHANICAL PROPERTIES

**Crush resistance**

Crush resistance: > 800 N; Testing method: In conformity with IEC EN 61386; Note: EW-PAT M20/P16

**Flexural fatigue strength**

Cycles: > 1200 ~; Testing method: In conformity with IEC EN 61386; Test value: M20/P16

**Impact strength**

Tier: 3; Testing method: In conformity with IEC EN 61386; Test value: M20/P16

**System tear-out strength**

System tear-out strength: > 500 N; Testing method: In conformity with IEC EN 61386; Test value: M20/P16

THERMAL PROPERTIES

**Temperature / temperature range**

-40 – 120 °C transient / short term 140 °C

**Fire classification**

V2 self-extinguishing
S4

Smoke emission class

F2 NF F 16-101

Flammability classification

I2 NF F 16-101

Fire behaviour in accordance with DIN EN 45545-2:2016-02

C.I.T. R22 / R23 HL3 = 0,52

LOI R22 / R23 HL3 = 33,1 %

Ds (max.) R22 / R23 HL3 = 101

APPROVALS AND OPERATING PERMITS

**Railway EU approval**

EN 45545-2 : 2016 Stufe 3x HL3 (R22)

TECHNICAL INFORMATION

**Halogen-free**

DIN 53474

**UV-resistant**

CONFORMITY

**RoHS (EC Directive 2002/95/EC)**

GENERAL INFORMATION

**Made in Germany**

Type EW-PAT

Cable protection conduit closed

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.

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