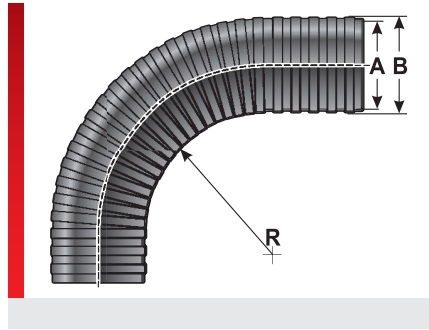
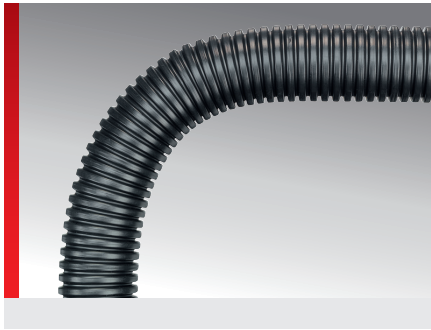


## Type EW-PAT



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 3x HL3

### SPECIFICATIONS

-  Mod. polyamide PA 6
-  According to IEC EN 61386  
Crush resistance: > 1400 N
-  According to IEC EN 61386  
Cycles: > 1200 ~
-  According to IEC EN 61386  
Tier: 3
-  According to IEC EN 61386  
System tear-out strength: > 500 N
-  -40 – 120 °F Short periods 180 °F
-  acc. to UL94 V2 self-extinguishing  
S4
-  C.I.T. R22 / R23 HL3 = 00:52
-  LOI R22 / R23 HL3 = 33,1 %
-  Ds (max.) R22 / R23 HL3 = 101



Article	Order No.	Color	A Ø mm	B Ø mm	R stat. mm	Weight lbs/100ft	MOQ m
EW-PAT-06 <sup>1)</sup>	83165050	Black	6.60	10.00	20.00	2.20	50
EW-PAT-M10/P07	83165051	Black	8.40	11.60	24.00	2.40	50
EW-PAT-M12/P09	83165052	Black	9.90	13.00	26.00	3.00	50
EW-PAT-M16/P11	83165054	Black	12.00	15.80	38.00	3.80	50
EW-PAT-M20/P16	83165056	Black	15.40	21.20	56.00	7.00	50
EW-PAT-M25/P21	83165058	Black	21.70	28.20	64.00	10.50	50
EW-PAT-M32/P29	83165060	Black	27.80	34.50	77.00	13.50	25
EW-PAT-M40/P36	83165062	Black	35.00	42.60	91.00	16.00	25
EW-PAT-M50/P48	83165064	Black	46.30	53.90	117.00	22.00	25

<sup>1)</sup> No stock goods, delivery time and minimum order quantities upon request

## Type EW-PAT

### MATERIAL PROPERTIES



Mod. polyamide PA 6



#### High angle consistency

Crush resistance: > 1400 N; Testing method: According to IEC EN 61386; Test value: M25/P21



#### Flexural fatigue strength

Cycles: > 1200 ~; Testing method: According to IEC EN 61386; Test value: M20/P16



#### Impact strength

Tier: 3; Testing method: According to IEC EN 61386; Test value: M20/P16



#### System tear-out strength

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

### THERMAL PROPERTIES



#### Temperature / temperature range

-40 – 120 °F Short periods 180 °F

### FIRE BEHAVIOR



acc. to UL94 V2 self-extinguishing  
S4



#### Fire properties as per EN 45545-2 :

C.I.T. R22 / R23 HL3 = 00:52

LOI R22 / R23 HL3 = 33,1 %

Ds (max.) R22 / R23 HL3 = 101

#### Smoke emission class

F2, NF F 16-101

#### Flammability classification

I2, NF F 16-101

### TECHNICAL INFORMATION



#### Halogen-free

DIN 53474

### APPROVALS AND OPERATING PERMITS



#### Railway EU approval

EN 45545-2 R22/R23 3x HL3



#### cURus-approval



F&E/P3-ENr. 40-1

### GENERAL INFORMATION



**Made in Germany**

## Type EW-PAT

Cable protection conduit closed

All details given in our sales brochures and catalogs, 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 products described.

A legally binding assurance of certain properties or the suitability for a certain purpose can not be determined from this information.

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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.

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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.

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