



## Type EWL-PAT



### Product information

The EWL-PAT cable protection conduits are made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free. The EWL-PAT cable protection conduits feature good crush resistance, self-extinguish well and produce very low levels of smoke gas. For static applications involving light to medium mechanical loads. This product's excellent fire safety properties make it suitable for use in both railway technology and exposed layouts in building service applications.

Specification:

- EN 45545-2 3x HL3

### Information, conformities and approvals



Article	Order No.	Color
EWL-PAT-M12/P9	83155272	Black
EWL-PAT-M12/P9	83155252	Black
EWL-PAT-M16/P11	83155274	Black
EWL-PAT-M16/P11	83155254	Black
EWL-PAT-M20/P16	83155276	Black
EWL-PAT-M20/P16	83155256	Black
EWL-PAT-M25/P21	83155278	Black
EWL-PAT-M25/P21	83155258	Black
EWL-PAT-M32/P29	83155280	Black
EWL-PAT-M32/P29	83155260	Black
EWL-PAT-M40/P36	83155262	Black
EWL-PAT-M50/P48	83155264	Black



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### Material properties



mod. polyamide PA 6 II



High angle consistency >1000 N According to IEC EN 61386 M25/P21



Flexural fatigue strength >1200 ~ According to IEC EN 61386 M20/P16



Impact strength 3 According to IEC EN 61386 M20/P16



System tear-out strength >500 N According to IEC EN 61386 M20/P16

### Thermal properties



Temperature / temperature range -40 °C – 120 °C / short term: 180 °C

### Fire properties



Fire classification acc. to UL94: V2 self-extinguishing



Fire properties as per EN 45545-2 C.I.T. R22 / R23 HL3 : 0,59 C.I.T. R22 / R23 HL3 : LOI R22 / R23 HL3 : ≥ 32 % LOI R22 / R23 HL3 : Ds (max.) R22 / R23 HL3 : 89 Ds (max.) R22 / R23 HL3 :



Fire properties as per NFPA ASTM E 162, ASTM E 662

### Chemical resistances



Resistant to: Alcohol Mineral oils Greases Fuels

### Technical information



Halogen-free

### Approvals and operating permits



EU railway approval



ECOLAB approval



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### Classification



ETIM 9: EC001175 || eClass 14: 27430305 || UNSPSC: 39131601 ||

### General information



Made in Germany

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