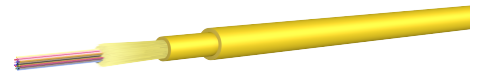


FIBER OPTIC CABLE OptiPack Cable with 12 Fibers LSFH

Description

12-.../(ZN)HH-...20#B

- Metal free indoor cable
- Strain relieved with aramide yarn
- Tube can be stripped up to 1m in one piece
- Tight bending radii
- Low smoke, halogen free and self-extinguishing



Available Types

Fiber count: 12 Fibers

Type of Fiber

E9/125A2

G50/125-OM3

G50/125-OM4

according to IEC 60793-2-50 Typ B6_a2 + ITU G.657.A2

according to IEC 60793-2-10 A1a2 + ITU G.651 BendOptimized

according to IEC 60793-2-10 A1a3 + ITU G.651 BendOptimized

Standard Colours

Fiber:

Jacket (inner):

Jacket (outer):

According to colour code

E9: YE, G50 and G62: OG, OM3: TQ, OM4: HV

E9: YE, G50 and G62: OG, OM3: TQ, OM4: HV

Technical Data

Construction

| Description / Material | Size | Options / Notice |
|--|--------|---------------------|
| 12 Optical fiber | 250 µm | Fiber type, colour |
| Reinforcement / aramide yarn | | |
| 1 Jacket / flame retardant LSFH | 2 mm | Colour |
| 2 Reinforcement / aramide yarn | | |
| Outer jacket / PE flame retardant (LSFH) | 4 mm | Colour, inscription |

Mechanical Data

| Characteristics | Conditions | Tested acc. to | Values |
|------------------------|-----------------------------------|--------------------|-----------------------|
| Weight | | | 19 kg/km |
| Tensile strength | During installation In service | IEC 60794-1-21 E1 | 500 N 200 N |
| Minimal bending radius | During installation In service | IEC 60794-1-21 E11 | 15 mm 15 mm |
| Crush resistance | Short-term In service | IEC 60794-1-21 E3 | 2000 N/dm 100 N/dm |
| Impact resistance | Wp = 0.5 J | IEC 60794-1-21 E4 | 50 impacts |
| Kink resistance | Radius 10 mm | IEC 60794-1-21 E10 | passed |

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Environmental Data

| Characteristics | Conditions | Tested acc. to | Values |
|---|---|-------------------|--|
| Temperature range | During installation In service In storage | IEC 60794-1-22 F1 | -10 °C up to +50°C -25 °C up to +70°C -25 °C up to +70°C |
| Fire load | | | 0.523 MJ/m |
| Fire propagation | On a vertical single cable | IEC 60332-1-2 | passed |
| Fire Test: smoke density | Jacket material | IEC 61034-2 | passed |
| Fire Test: halogen acid gas | Jacket material | IEC 60754-1 | halogen free |
| Fire Test: degree of acidity | Jacket material | IEC 60754-2 | passed |
| 2011/65/EU (RoHS - including 2015/863 and 2017/2102) | | | compliant |
| (EU) No 305/2011 (CPR) | | EN50575 | B2ca-s1a,d0,a1 |

Specification for singlemode at 1550nm, for multimode at 1300nm