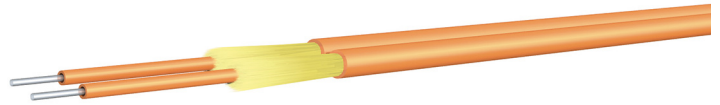


FIBER OPTIC CABLE Duplex Cable Figure 8

Description

02-.../FJH-....17

- Metal free indoor cable
- Each fiber strain relieved
- For direct connector assembly with strain relief
- Tube can be stripped up to 30mm in one piece
- Tight bending radii
- Halogen free and non-corrosive fire gases
- Jacket material according to UL 94V-0
- Low fire load for high safety requirements



Available Types

Fiber count: 2 Fibers

Type of Fiber

| | |
|---------------|--|
| E9/125 | according to IEC 60793-2-50 Typ B1.3 + ITU G.652.D |
| E9/125A1 | according to IEC 60793-2-50 Typ B6_a1 + ITU G.657.A1 |
| E9/125A2 | according to IEC 60793-2-50 Typ B6_a2 + ITU G.657.A2 |
| G50/125-OM2 | according to IEC 60793-2-10 Typ A1a + ITU G.651 |
| G50/125-OM3 | according to IEC 60793-2-10 A1a2 + ITU G.651 BendOptimized |
| G50/125-OM4 | according to IEC 60793-2-10 A1a3 + ITU G.651 BendOptimized |
| G62.5/125-OM1 | according to IEC 60793-2-10 A1b |

Standard Colours

| | |
|-----------------|--|
| Fiber: | E9: YE, G50: OG, G62: BU, OM3: TQ, OM4: HV |
| Tube: | According to colour code |
| Jacket (outer): | E9: YE, G50 and G62: OG, OM3: TQ, OM4: HV |

Technical Data

Construction

| Description / Material | Size | Options / Notice |
|-----------------------------------|--------------|---------------------|
| 2 Optical fiber | 250 µm | Fiber type, colour |
| 2 Tight tube | 0.9 mm | Colour |
| Reinforcement / aramide yarn | | |
| Outer jacket / PE flame retardant | 1.7 x 3.5 mm | Colour, inscription |

Mechanical Data

| Characteristics | Conditions | Tested acc. to | Values |
|------------------------|-----------------------------------|-------------------|-----------------------------|
| Weight | | | 6.61 kg/km |
| Tensile strength | During installation In service | IEC 60794-1-2 E1 | 300 N 2 x 100 N |
| Minimal bending radius | During installation In service | IEC 60794-1-2 E11 | 50 mm * 25 mm * |
| Crush resistance | During installation In service | IEC 60794-1-2 E3 | 10000 N/dm * 4000 N/dm * |
| Impact resistance | Wp = 0.74 J | IEC 60794-1-2 E4 | 40 impacts * |
| Repeated bending | Radius = 25 mm / Weight = 0.5 kg | IEC 60794-1-2 E6 | 5000 cycles* |

FIBER OPTIC CABLE Duplex Cable Figure 8

Environmental Data

| Characteristics | Conditions | Tested acc. to | Values |
|---|---|----------------------------|--|
| Temperature range | During installation In service In storage | IEC 60794-1-22 F12 | -10 °C up to +50°C -40 °C up to +70°C -40 °C up to +70°C |
| Fire load | | | 0.16 MJ/m |
| Fire Test: halogen acid gas Fire Test: degree of acidity | Jacket material Jacket material | IEC 60754-1 IEC 60754-2 | halogen free passed |
| 2011/65/EU (RoHS) | | | compliant |

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