

FIBER OPTIC CABLE Semi-tight Tube LSFH

Description

01-.../CH-...9

- Metal free indoor cable
- For direct connector assembly
- Tube can be stripped up to 2m in one piece
- Tight bending radii
- High flexibility
- Halogen free and non-corrosive fire gases



Available Types

Fiber count: 1 Fiber

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

Technical Data

Construction

Description / Material	Size	Options / Notice
1 Optical fiber	250 µm	Fiber type, colour
1 Semi-tight tube	0.9 mm	Colour, dry

Mechanical Data

Characteristics	Conditions	Tested acc. to	Values
Weight			0.8 kg/km
Tensile strength	During installation In service	IEC 60794-1-2 E1	20 N 10 N
Minimal bending radius	During installation In service	IEC 60794-1-2 E11	25 mm 25 mm
Crush resistance	During installation In service	IEC 60794-1-2 E3	1000 N/dm 500 N/dm
Impact resistance	Wp = 0.74 J	IEC 60794-1-2 E4	3 impacts
Kink resistance	Radius 5 mm	IEC 60794-1-2 E10	passed
Torsion	Angle = ±360° / Length = 1000 mm F = 5N	IEC 60794-1-2 E7	3 cycles

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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 -25 °C up to +75°C -40 °C up to +75°C
Fire load			0.02 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 - including 2015/863 and 2017/2102)			compliant

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

Smaller bending radius are possible with E9/125 LowBend (ITU G.657) and G50/125-OM3/OM4 BendOptimized.