

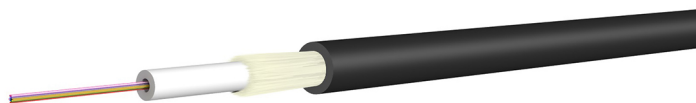
FIBER OPTIC CABLE

Multi-fiber Loose Tube Cable LSFH

Description

24-.../W(ZNG)H-...70

- Metal free indoor and outdoor cable
- Rodent-protected, glass-armoured
- For Masterline application
- For high thermal stability
- Low smoke, halogen free and self-extinguishing
- Longitudinal and transversal watertight cable



Available Types

Fiber count: 2 up to 24 Fibers

Type of Fiber

E9/125

G50/125-OM2

G50/125-OM3

G50/125-OM4

G62.5/125-OM1

according to IEC 60793-2-50 Typ B1.3 + ITU G.652.D

according to IEC 60793-2-10 Typ A1a + ITU G.651

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

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

according to IEC 60793-2-10 A1b

Standard Colours

Fiber:

According to colour code

Tube:

White or natural

Jacket (outer):

Black

Technical Data

Construction

Description / Material	Size	Options / Notice
24 Optical fiber	250 µm	Fiber type, colour
1 Multi-fiber loose tube, up to 24 fibers each	2.8 mm	Colour, jelly-filled
Reinforcement / glass-roving		Swellable
2 Ripcords		
Outer jacket / PE flame retardant (LSFH)	7 mm	Colour, inscription

Mechanical data

Characteristics	Conditions	Tested acc. to	Values
Weight			55.1 kg/km
Tensile strength	During installation In service	IEC 60794-1-2 E1	2000 N 1200 N
Minimal bending radius	During installation In service	IEC 60794-1-2 E11	110 mm 70 mm
Crush resistance	During installation In service	IEC 60794-1-2 E3	5000 N/dm 2000 N/dm
Impact resistance	W _p = 1.5 J	IEC 60794-1-2 E4	100 impacts
Repeated bending	Radius = 60 mm / Weight = 2.5 kg	IEC 60794-1-2 E6	5000 cycles

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Environmental Data

Characteristics	Conditions	Tested acc. to	Values
Temperature range	During installation In service In storage	IEC 60794-1-2 F1	-10 °C up to +50°C -40 °C up to +70°C -40 °C up to +70°C
Fire load			1.1 MJ/m
Fire propagation	On a vertical single cable On a vertical cable bundle	IEC 60332-1-2 IEC 60332-3-25	passed passed
Fire test with circuit integrity (CI)		IEC 60331-25	180min
Fire Test: smoke density Fire Test: halogen acid gas Fire Test: degree of acidity	Jacket material Jacket material Jacket material	IEC 61034-2 IEC 60754-1 IEC 60754-2	passed halogen free passed
2011/65/EU (RoHS - including 2015/863 and 2017/2102)			compliant
Water penetration	h=1m, 24h, p<3m	IEC 60794-1-2 F5B	passed

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

Comment

(EU) 305/2011 (CPR): Dca-s2,d1,a1 acc. to EN 50575