Data Sheet

FIBER OPTIC CABLE
Twintube LSFH

Description

24-.../W(ZNG)H-...94

- Metal free indoor and outdoor cable
- Rodent-protected, glass-armoured
- Ripcord for easy jacked removal
- Low smoke, halogen free and self-extinguishing
- Longitudinal and transversal watertight cable

Available Types

Type of Fiber

E9/125	according to IEC 60793-2-50 Typ B1.3 + ITU G.652.D
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:	According to colour code
Tube:	1st tube red, 2nd green
Jacket (outer):	Black

Technical Data

Construction

Description / Material	Size	Options / Notice
48 Optical fiber	250 µm	Fiber type, colour
2 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)	8.8 x 9.4 mm	Colour, inscription

Mechanical data

Characteristics	Conditions	Tested acc. to	Values
Weight			91 kg/km
Tensile strength	During installation In service	IEC 60794-1-2 E1	3000 N 1500 N
Minimal bending radius	During installation In service	IEC 60794-1-2 E11	150 mm * 100 mm *
Crush resistance	During installation In service	IEC 60794-1-2 E3	8000 N/dm * 4000 N/dm *

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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 -20 °C up to +70°C -40 °C up to +70°C
Fire load			1.8 MJ/m
Fire propagation	On a vertical single cable	IEC 60332-1-2	passed
Fire test with circuit integrity (CI)		IEC 60331	180min
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
Water penetration	h=1m, 24h, p<3m	IEC 60794-1-2 F5B	passed

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