



Data Sheet

FIBER OPTIC CABLE FTTH Cable LSFH up to 24 Fibers

B2ca-s1a, d0, a1

Description:

24-24E9A2S/MH(ZN)H-...28_DTAG

- Metal free indoor cable
- Strain relieved with aramide yarn
- Tube can be stripped up to 2m in one piece
- Dry cable construction
- Tight bending radii
- Low Smoke, halogen free and self-extinguishing



Available Types:

Fiber count: 24 Fibers

Type of fiber

E9/125A2

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

Standard Colours:

Fiber:	E9A2: according to colour code
Tube:	Yellow
Jacket (outer):	White

Technical data

Construction

Description / Material	Size	Options / Notice
24 Optical fiber	200 µm	Fiber type, colour
1 Multi-fiber loose up to 24 fibers, dry	1.6 mm	Yellow
Reinforcement / aramide yarn		
Outer jacket / flame retardant (LSFH)	2.8 mm	White



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Mechanical data

Characteristics	Conditions	Tested acc. to	Values
Weight			9.2kg/km
Tensile strength	During Installation In Service	IEC 60794-1-21 E1	400 N 100 N
Minimal bending radius	During Installation In Service	IEC 60794-1-21 E11	15 mm 15 mm
Crush resistance	During Installation In Service	IEC 60794-1-21 E3	500 N/dm 300 N/dm
Impact resistance	Wp = 2.25 J	IEC 60794-1-21 E4	3 impacts
Repeated bending	Radius = 30mm	IEC 60794-1-21 E6	500 cycles
Blow-in		Acc. DTAG	Pass

Environmental data

Characteristics	Conditions	Tested acc. to	Values
Temperature range	During installation In Service In Storage	IEC 60794-1-22 F1	-5° C up to +50° C -10° C up to +60° C -25° C up to + 70° C
Fire load			0.14 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/EC (RoHS) – including 2015/863 and 2017/2102			compliant
(EC) No 1907/2006 (REACH)			compliant
(EU) No 305/2011 (CPR)		EN 50575	B2ca-s1a, d0, a1

Specification for singlemode at 1310nm/1550nm

Comment

Gemäß TS 0311-96, Teil 9 für einblasen, einzieh- und verlegbare Glasfaserinnenkabel für FTTH.
According TS 0311-96, Teil 9 for blow-in, pull-in and lay-in fiber optic indoor cables for FTTH.