



## Data Sheet

# FIBER OPTIC CABLE FTTH Cable LSFH 1, 2 or 4 Fibers

**B2ca-s1a, d0, a1**

### Description:

04-...E9A2/MH(ZN)H-...23\_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: 1 up to 4 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
1 up to 4 Optical fiber	250 µm	Fiber type, colour
1 Multi-fiber loose tube up to 4 fibers, dry	1.25 mm	Yellow
Reinforcement / aramide yarn		
Outer jacket / flame retardant (LSFH)	2.3 mm	White



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#### Mechanical data

Characteristics	Conditions	Tested acc. to	Values
Weight			5.2kg/km
Tensile strength	During Installation In Service	IEC 60794-1-21 E1	400 N 200 N
Minimal bending radius	During Installation In Service	IEC 60794-1-21 E11	10 mm 10 mm
Crush resistance	During Installation In Service	IEC 60794-1-21 E3	1000 N/dm 500 N/dm
Impact resistance	Wp = 2.25 J	IEC 60794-1-21 E4	3 impacts
Kink resistance	Radius = 5mm	IEC 60794-1-21 E10	passed
Repeated bending	Radius = 35mm	IEC 60794-1-21 E6	500 cycles
Blow-in acc. DTAG		22.1.2020	passed

#### 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			0.09 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

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.

(EU) 305/2011 (CPR): B2ca-s1a, d0, a1