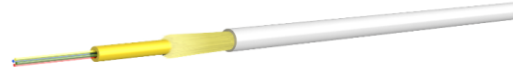


## FIBER OPTIC CABLE FTTH Cable LSFH up to 12 Fibers

### Description

12-12E9A2/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
- TS 0311-96, Teil 9



### Available Types

Fiber count: 12 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
12 Optical fiber	250 µm	Fiber type, colour
1 Multi-fiber loose tube up to 12 fibers, dry	1.6 mm	Yellow
Reinforcement / aramide yarn		
Outer jacket / flame retardant (LSFH)	2.8 mm	White

#### Mechanical data

Characteristics	Conditions	Tested acc. to	Values
Weight			8.8 kg/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	W <sub>p</sub> = 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

## FIBER OPTIC CABLE FTTH Cable LSFH up to 12 fibers

### 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

Spezifikation für 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 acc. to EN 50575

Einsetzbar als einblasbares Verlegekabel und als Verlegekabel für Aufputz- und Unterputzinstallationen.  
Can be used as a blowable installation cable and as an installation cable for surface-mounted and flush-mounted installations.