

Fiber Optic Cables

Edition 2017



FTTH Microtube



Properties

- Metal free indoor cable
- Strain relieved with aramide yarn
- Ripcord for easy jacket removal
- No need for cleaning the fibers (jelly free)
- Tight bending radii
- Halogen free and non-corrosive fire gases
- Jacket material according to UL 94V-0
- Easy stripping

Applications

- Data cable in distribution network - FTTH
- Installation in indoor areas
- For horizontal and collapsed backbone cabling



Design

Cable design	Microtube dry with 4 fibers
Strain relief	aramide yarn
Jacket material	LSFH™
Jacket colour	white/grey/yellow

According to IEC 60794-1-2

Ordering information

04-E9A2/MH(ZN)H...23

Please see page 147.

FTTH Microtube

Specification			
Number of fibers		4	
Jacket Ø	mm	2.3	
Approx. weight	kg/km	5.2	

Mechanical properties				
Tensile strength	during installation	N	400	IEC 60794-1-2 E1
	in service	N	200	
Min. bend radius	during installation	mm	10	IEC 60794-1-2 E11
	in service	mm	10	
Crush resistance	short-term	N/dm	1000	IEC 60794-1-2 E3
	long-term	N/dm	500	
Impact resistance	W _p = 1 J	impacts	3	IEC 60794-1-2 E4
Kink resistance	r = 5 mm		p	IEC 60794-1-2 E10

Thermal properties				
Temperature range	during installation	°C	-5 to +50	IEC 60794-1-22 F1
	in service	°C	-10 to +60	
	in storage	°C	-20 to +70	

Combustion properties				
Fire load		MJ/m	0.09	
Fire propagation	on a vertical single cable		p	IEC 60332-1-2 IEC 60332-3-25
	on a vertical cable bundle		p	
Smoke density			p	IEC 61034-2
Halogen acid gas	jacket material		p	IEC 60754-1
Degree of acidity	jacket material		p	IEC 60754-2
2011/65/EC (RoHS)			compliant	
(EU) No 305/2011 (CPR)			Dca-s1a, d0, a1	EN 50575

p = passed