

Fiber Optic Cables

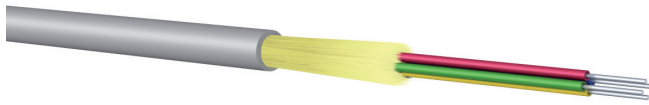
Edition 2017



OPTILAN

 **HUBER+SUHNER**
Excellence in Connectivity Solutions

FTTH indoor cables with tight tubes 0.6 mm



Properties

- Metal free indoor and outdoor cable
- Strain relieved with aramide yarn
- For direct connector assembly
- Tight bending radii
- Halogen free and non-corrosive fire gases
- Optimized outer-diameter construction

Applications

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



Design

Cable design	4 tight tubes buffered 0.6 mm, easy stripping
Strain relief	aramide yarn
Jacket material	LSFH™
Jacket colour	grey

According to IEC 60794-1-2

Ordering information

04-E9A2/V(ZN)H...28

Please see page 147.

FTTH indoor cables with tight tubes 0.6 mm

Specification			
Number of fibers	mm	4	
Jacket Ø		2.8	
Tube Ø	mm	0.6	easy stripping/coloured
Approx. weight	kg/km	8	

Mechanical properties				
Tensile strength	during installation	N	400	IEC 60794-1-2 E1
	in service	N	200	
Min. bend radius	during installation	mm	7.5	IEC 60794-1-2 E11
	in service	mm	7.5	
Crush resistance	short-term	N/dm	2000	IEC 60794-1-2 E3
	long-term	N/dm	1000	
Impact resistance	Wp = 1 J	impacts	5	IEC 60794-1-2 E4
Repeated bending	r = 30 mm	cycles	5000	IEC 60794-1-2 E6
Kink resistance	r = 6 mm	cycles	p	IEC 60794-1-2 E10
Coiling capability	length = 100 m/r = 70 mm	cycles	3	HUBER+SUHNER

Thermal properties				
Temperature range	during installation	°C	-20 to +70	IEC 60794-1-22 F1
	in service	°C	-40 to +70	
	in storage	°C	-40 to +70	

Combustion properties				
Fire load		MJ/m	0.19	
Fire propagation	on a vertical single cable		p	IEC 60332-1-2
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

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