

Semi-tight tubes 0.9 mm



Properties

- Metal free indoor cable
- For direct connector assembly
- Tube can be stripped up to 2 m in one piece
- Tight bending radii
- High flexibility
- Halogen free and non-corrosive fire gases
- Jacket material according to UL 94V-0
- Jelly free, dry

Applications

- Pigtail assemblies for fusion or mechanical splicing within distribution frames and termination boxes
- Mini patch cables within protected enclosures
- For termination with passive optical components such as connectors

Design

Tube	coloured fiber in dry tube (jelly free)	
Tube material	halogen free (LSFH)	
Tube colour	E9	yellow
	G50 - OM2	orange
	G50 - OM3	turquoise
	G50 - OM4	heather violet
	G50 - OM5	lime green
	G62.5 - OM1	blue
	other colours on request	

According to IEC 60794-1-2

Ordering information

01-.../CH-...9

Please see page 144.

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Specification		Semi-tight tube dry	
Tube Ø	mm	0.9	
Approx. weight	kg/km	0.8	

Mechanical properties				
Tensile strength	during installation	N	20	IEC 60794-1-2 E1
	in service	N	10	
Min. bend radius ¹⁾	during installation	mm	25	IEC 60794-1-2 E11
	in service	mm	25	
Crush resistance	short-term	N/dm	1000	IEC 60794-1-2 E3
	long-term	N/dm	500	
Impact resistance	Wp = 0.74 J	impacts	3	IEC 60794-1-2 E4
Kink resistance	r = 5 mm		passed	IEC 60794-1-2 E10
Torsion	± 360°, length = 1000 mm, F = 5N	cycles	3	IEC 60794-1-2 E7

Thermal properties				
Temperature range	during installation	°C	−10 to +50	IEC 60794-1-22 F12
	in service	°C	−25 to +75	
	in storage	°C	−40 to +75	

Combustion properties			
Fire load	MJ/m	0.02	
2011/65/EC (RoHS)		compliant	

¹⁾ Smaller bending radius are possible with E9/125 LowBend (ITU G.657) and G50/125-OM3/OM4 BendOptimized.