

Tight tubes 0.9 mm



Properties

- Metal free indoor cable
- For direct connector assembly
- Tube can be stripped up to 30 mm in one piece
- Tight bending radii
- For high mechanical and thermal stability
- Halogen free and non-corrosive fire gases
- Improved crush resistance

Applications

- Patch cable within distribution frames and termination boxes
- In thermally and mechanically critical environments
- For mobile or flexible systems

Design

Tube	buffer layer on fiber	
Tube material	halogen free (TPE)	
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-.../F-...9

Please see page 144.

Tight tubes 0.9 mm

Specification		Tight tube	
Tube Ø	mm	0.9	
Approx. weight	kg/km	0.8	

Mechanical properties				
Tensile strength	during installation ($r \geq 25$ mm)	N	20	IEC 60794-1-2 E1
	in service ($r \geq 25$ mm)	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, $r = 25$ mm	impacts	100	IEC 60794-1-2 E4
Torsion	$\pm 7200^\circ$, length = 1000 mm, F = 5 N	cycles	3	IEC 60794-1-2 E7

Thermal properties				
Temperature range	during installation	°C	-10 to +60	IEC 60794-1-22 F12
	in service	°C	-40 to +85	
	in storage	°C	-40 to +60	

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.