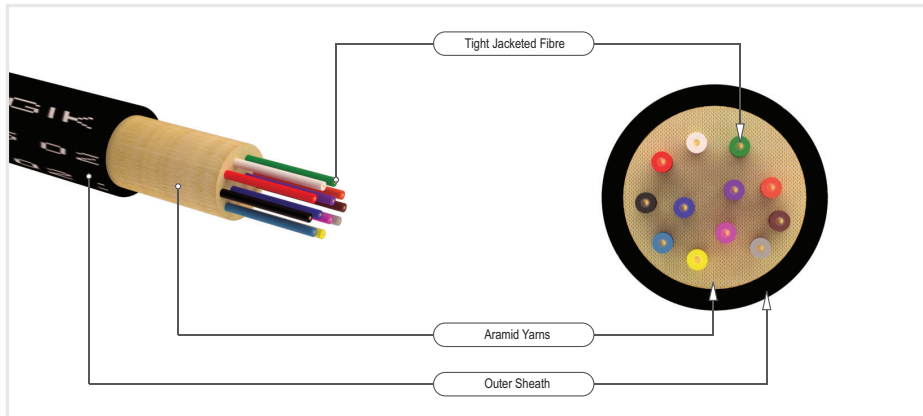


Single Mode G657 A1/A2 Tight Jacketed Fiber Optic Cable – 4F, 6F, 8F, 12F 24F Cables

Techlogiks offers the most complete solution for the Indoor application. The tight buffered cables are designed perfectly for inter-equipment connections. These cables have high strength and good banding performance. Nylon tight buffered fibers up to 900 microns surrounded with strength member Aramid Yarn and overall jacketed with LSZH. It is designed for internal FTTH applications horizontal and riser and clipping to surfaces including skirting boards.



Standards Compliance :

Telecordia GR-20, IEC 60794, EIA/TIA, ITU-T, EN187000, RUS1755.900

Applications :

Indoor, Ducts/Conduits, Local loop, Broadband network

Advantages:

Good bending performance, High tensile strength, tight structure, light weight, Small Dimension, Facilitates flexible installations

Optical Fibre Characteristics

Optical Fibre Characteristics		
Fibre Type		G.657A1/G.657A2
Attenuation	at 1310 nm	≤ 0.38 dB/km
	at 1550 nm	≤ 0.25 dB/km
Chromatic Dispersion	1285 - 1330 nm	≤ 3.5 ps/nm.km
	1550 nm	≤ 18 ps/nm.km
Zero Dispersion Wavelength	G.657A1	1302 - 1324 nm
	G.657A2	1300 - 1324 nm
Zero Dispersion Slope		≤ 0.092 ps/nm ² .km
Polarisation Mode Dispersion		≤ 0.2 ps/√km
Cut-off Wavelength	λ _{cc}	≤ 1260 nm
Mode Field Diameter	at 1310 nm G657A1	9.2 ± 0.4 μm
	at 1310 nm G657A2	8.6 ± 0.4 μm
Core Cladding Concentricity Error		≤ 0.5 μm
Cladding Diameter		125 ± 0.7 μm
Cladding Non-circularity		≤ 0.7 %
Cladding Coating Concentricity Error		≤ 12 μm
Coating Diameter		242 ± 5 μm

Cable Construction Details

Parameter	Dimensions	Type, Color																								
Number of tight jacketed Fibers	24	Color	Bl	Or	Gr	Br	Sl	Wh	Rd	Bk	Yi	Vi	Pi	Ag	Bl*	Or*	Gr*	Br*	Sl*	Wh*	Rd*	Bk*	Yi*	Vi*	Pi*	Ag*
			Bl	Or	Gr	Br	Sl	Wh	Rd	Bk	Yi	Vi	Pi	Ag												
	12	Color	Bl	Or	Gr	Br	Sl	Wh	Rd	Bk	Yi	Vi	Pi	Ag												
	8	Color	Bl	Or	Gr	Br	Sl	Wh	Rd	Bk																
	6	Color	Bl	Or	Gr	Br	Sl	Wh																		
	4	Color	Bl	Or	Gr	Br																				
	2	Color	Bl	Or																						
Tight Jacketing over Fiber	850 ± 50 µm	LSZH																								
Peripheral Strength Member	---	Aramid Yarn																								
Outer Sheath	0.9 mm (Nominal)	LSZH - Black																								
			24F	12F	8F	6F	4F	2F																		
Overall Cable Diameter	8.5 ± 0.3 mm	6.8 ± 0.5 mm	6.5 ± 0.3 mm	6.0 ± 0.3 mm	5.4 ± 0.3 mm	4.5 ± 0.5 mm																				
Cable Weight	60.0 kg (Nom)	45.0 kg (Nom)	35.0 kg (Nom)	30.0 kg (Nom)	25.0 kg (Nom)	20.0 kg (Nom)																				

* Longitudinal stripe making on the next 12 colors

Cable Mechanical Characteristics

Cable Type	24F	12F	8F	6F	4F
Tensile Strength	1000 N	800 N	600 N	600 N	600 N
Crush Resistance	1000 N	1000 N	500 N	500 N	500 N
Impact Resistance	5 Nm	5 Nm	5 N.m	5 N.m	5 N.m
Minimum Bend Radius	20 x D	20 x D	10 x D	10 x D	10 x D

Temperature Performance

Installation	-20 °C to + 70 °C
Operation	-20 °C to + 70 °C
Storage	-20 °C to + 70 °C

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
TL- 04F-09-FHTB	4 Fiber SM G 657A1/A2 (FTTH) Tight Buffered Aramid Yarn Indoor FOC LSZH
TL- 06F-09-FHTB	6 Fiber SM G 657A1/A2 (FTTH) Tight Buffered Aramid Yarn Indoor FOC LSZH
TL- 08F-09-FHTB	8 Fiber SM G 657A1/A2 (FTTH) Tight Buffered Aramid Yarn Indoor FOC LSZH
TL- 12F-09-FHTB	12 Fiber SM G 657A1/A2 (FTTH) Tight Buffered Aramid Yarn Indoor FOC LSZH
TL- 24F-09-FHTB	24 Fiber SM G 657A1/A2 (FTTH) Tight Buffered Aramid Yarn Indoor FOC LSZH