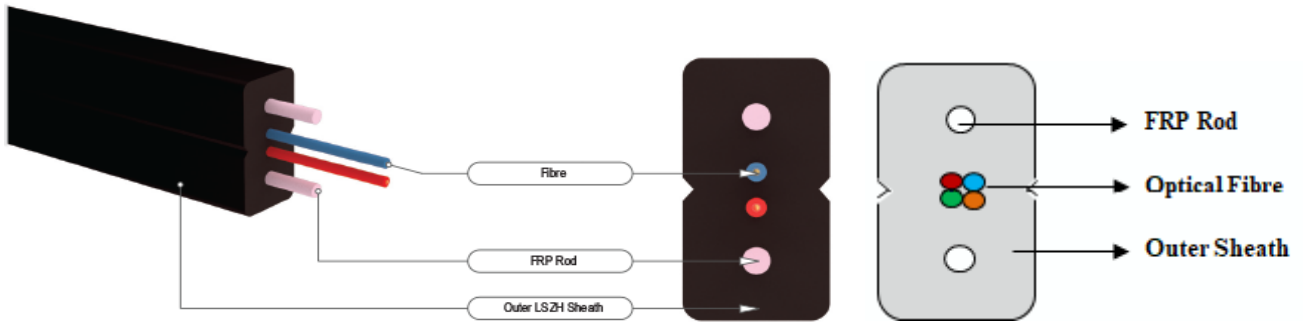


2 Fiber and 4 Fiber Single Mode Drop Cable – FTTH Indoor

Techlogiks 2-Fiber and 4 Fiber Single Mode G 657 A1 Fiber to the Home (FTTH) flat drop cable is designed for use in aerial and duct/conduit environments. The Optical Fibers are embedded in sheath along with 2 FRP rods. The outer jacket is made of LSOH material, applicable for indoor application. 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 :

FTTH, Aerial and Duct/Conduit, Local loop, Broadband network

Advantages:

Easy Drop, Multiple network applications, Reduces cable prep and installation time, Reduces cost, Easy Installation

Optical Fibre Characteristics

Optical Fibre Characteristics		
Fibre Type	G.657A1	
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	2F	1300 - 1322 nm
	4F	1302 - 1324 nm
Zero Dispersion Slope	≤ 0.092 ps/nm ² .km	
Polarisation Mode Dispersion	2F	≤ 0.1 ps/√km
	4F	≤ 0.2 ps/√km
Cut-off Wavelength	λ _{cc}	≤ 1260 nm
Mode Field Diameter	2F at 1310 nm	8.6 ± 0.4 μm
	2F at 1550 nm	9.6 ± 0.5 μm
	4F at 1310 nm	9.2 ± 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	4F	≤ 12 μm
Coating Diameter	2F (Uncolored)	245 ± 10 μm
	4F	242 ± 10 μm

Cable Construction Details		
Parameter	Dimensions	Type, Color
Number of Fibers	2	Color Bl Or
	4	Color Bl Or Gr Br
Peripheral Strength Member	0.5 ± 0.05 mm	FRP Rods - 2 No.
Overall Cable Dimensions	(2.0 x 3.0)mm ± 0.2 mm	LSZH - White
Cable Weight/km (Nom.)	8 kg/km (Nominal)	

Cable Mechanical Characteristics	
Tensile Strength	100 N
Crush Resistance	Short Term - 1000 N / 100 mm
	Long Term - 500 N / 100 mm
Minimum Bend Radius	30 mm during installation with tension
	15 mm after installation

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-02F-FTTH-IN	2F Fiber-to-the-Home (FTTH) Indoor Optical Fiber Cable – G 657A1
TL-04F-FTTH-IN	4F Fiber-to-the-Home (FTTH) Indoor Optical Fiber Cable – G 657A1

FTTH CABLE