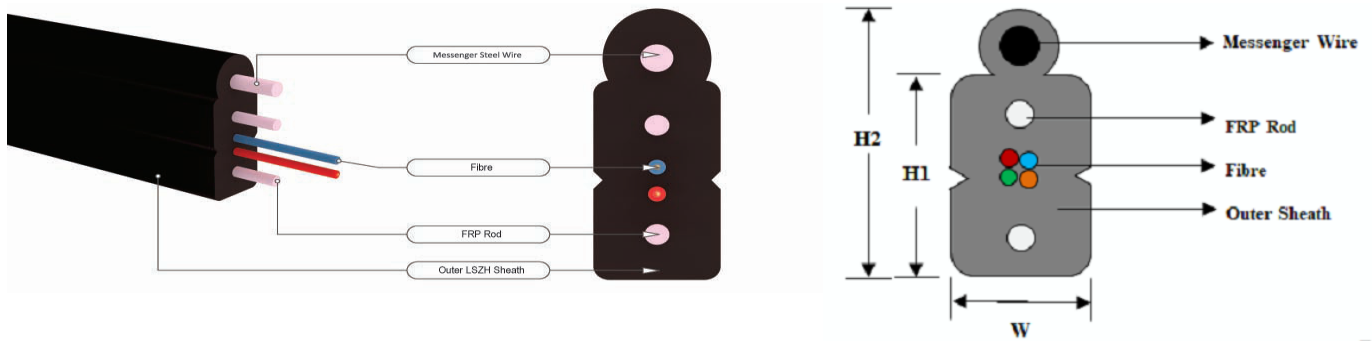


2 Fiber and 4 Fiber Single Mode Drop Cable – FTTH Outdoor

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 applications. Dielectric strength members FRP are placed parallel to optical fibres one on each side, to provide necessary longitudinal strength and one messenger steel wire is joined to form the cable construction in figure eight shape.



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	2 Fiber	1300 - 1322 nm	
	4 Fiber	1302 - 1324 nm	
Zero Dispersion Slope			≤ 0.092 ps/nm ² .km
Polarisation Mode Dispersion	2 Fiber	≤ 0.1 ps/√km	
	4 Fiber	≤ 0.2 ps/√km	
Cut-off Wavelength	l _{cc}		≤ 1260 nm
Mode Field Diameter	2 Fiber	at 1310 nm	8.6 ± 0.4 μm
	2 Fiber	at 1550 nm	9.6 ± 0.5 μm
	4 Fiber	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	4 Fiber	≤ 12 μm
Coating Diameter	2 Fiber (Colored)	250 ± 10 μm
	4 Fiber	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	0.55 ± 0.05 mm	FRP Rods
Messenger Wire	1.1 ± 0.1 mm	Coated Steel Wire (2F) / G.I Wire (4F)
Overall Cable Dimensions	(2.1 x 5.2) ± 0.2 mm	LSZH - Black
Cable Weight/km	16 ± 2 kg/km (Nominal) (2F) / 18 kg/km (Nominal) (4F)	

Cable Mechanical Characteristics	
Tensile Strength	600 N
Crush Resistance	Short Term - 2200 N / 100 mm
	Long Term - 1000 N / 100 mm
Torsion	± 180 °
Minimum Bend Radius	50 mm during installation with tension
	20 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-OU	2F Fiber-to-the-Home (FTTH) Outdoor Optical Fiber Cable – G.657A1
TL-04F-FTTH-OU	4F Fiber-to-the-Home (FTTH) Outdoor Optical Fiber Cable – G.657A1