

FibRSol - Optic Fiber Cable 2F (FRP-GY) (OD: 5.8 mm)

Model: FS-2 FRP

Highlights:

- ✓ 2F : 5.8mm
- ✓ ITU-T G.652D
- ✓ HDPE (Black)
- ✓ Unarmored



*** 2F-4F-6F-12F 24F FRP SM UT (SW-GY) Optic Fibre Cable (6.2 mm)**
Without Glass Yarn (added as per requirement)

Features:

- ✓ Strength Member 2 FRP Rod 1MM Support
- ✓ G.652D Fiber
- ✓ Use fresh HDPE material for jacketing the cable instead of recycled PE which gives more accurate and good finishing to the cable.
- ✓ FRP strength members
- ✓ Good quality unarmoured FRP CATV Fiber Cable without Glass Yarn

Hardware Spec

Parameters:	: 2F
Number of Fibers Per Tube	: 2
Number of loose tubes	: 1
Loose Tube Filling	: Thixotropic jelly
Strength Member	: FRP (2 Nos.) embedded in Sheath, Glass Yarn
Outer Sheath	: HDPE (Black)
Cable Diameter in mm	: 5.8 mm (Nominal)
Weight of Cable (Kg/Km)	: 33 kg/km (Nominal)
Fiber Identification	: 2F - Blue, Natural

Mechanical Characteristics

Tensile Strength	: 500 N
Bending Radius	: 20D, D=Cable Diameter

Packing	2.0 / 3.0 km +/- 10%
	(Longer length as per requirement)

Identification on Cable

Cable No, Laser Symbol, Telephone Symbol

Note:

Glass Yarn added as per customer requirement with additional cost

Software Spec

Fiber Characteristics:	Single Mode – Geometrical Parameters
Type of Fiber	Single Mode Step Index Optical Fiber (ITU-T G.652D)
Mode Field Diameter@1310 nm	9.3 ± 0.5 μm
Core - Clad Concentricity Error	≤ 0.8 μm
Cladding Diameter	125 ± 1.0 μm
Cladding Non Circularity	≤ 1.0 %
Coating Diameter – (Natural Fiber)	245 ± 10 μm
Optical Characteristics	
Attenuation @ 1310 nm	≤ 0.38 dB/Km
Attenuation @ 1550 nm	≤ 0.25 dB/Km
Dispersion:	
@ Range 1285nm – 1330nm	≤ 3.5 ps / (nm.km)
@ Range 1270nm – 1340nm	≤ 5.3 ps / (nm.km)
@ 1550nm	≤ 18.0 ps / (nm.km)
Cut – Off Wavelength – Fiber	≤ 1320 nm
Polarization Mode Dispersion (PMD) @ 1310 nm - 1550 nm – Cabled Fiber	≤ 0.3 ps / √km
Zero Dispersion Slope	≤ 0.092 ps / (nm ² .km)
Zero Dispersion wavelength Range	1300 – 1324 nm

Ordering Information:

Model	Description
FS-2F-FRP	2F UT-SM 2 FRP Cable O.D. 5.8 MM O.F. Cable Per km