

Drop Cable (Round)

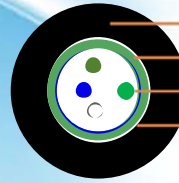
OPTICAL FIBER CABLES

- 1F & 2F FTTH Drop Cable Round with GFR-Yarn Design (No FRP)
- 2F & 4F FTTH Drop Cable Round with FRP Design (No GFR-Yarn)



Drop Cable (Round)

FFTH DROP CABLE ROUND WITH GFR-YARN DESIGN (NO FRP) (Up to 4F)



- HDPE Outer sheath
- PBTP Loose Tube Filled with Thixotropic Jelly
- SM Fibre
- Glass Yarn

FIBER & TUBE COLOUR CODING



Box

Available in 1Km & above



COIL

01 Kms & above



FRP

NA



YARN

2GFR



JACKET

HDPE

CONSTRUCTION DETAILS			
No of Fibre/Tube	: 1F per tube - Blue Colour		
	: 4F per tube - Blue, Orange, Green & Aqua/Natural Or Any Colour		
Loose Tube	: PBT Loose Tube Filled With Thixotropic gel		
Tube Identification			
Peripheral Strength Member	: Glass fibre roving to meet tensile strength & anti buckling properties GFR (Non Metallic) - 2 Nos - 600 TEX.		
Outer Jacket	: UV Proof HDPE - Black		
FIBRE CHARACTERISTICS (As per ITU-T Rec. G. 652 D)			
ATTENUATION (Transmission Characteristics)		GEOMETRICAL CHARACTERISTICS	
@ 1310 nm	: ≤ 0.36 (dB/Km)	Mode Field Diameter @ 1310 nm	: 9.2 ± 0.4 μm
@ 1550 nm	: ≤ 0.25 (dB/Km)	Mode Field Diameter @ 1550 nm	: 10.4 ± 0.5 μm
@ 1625 nm	: NA	Cladding Diameter	: 125 ± 0.7 μm
DISPERSION		Cladding Non Circularity	: ≤ 1%
A. TOTAL DISPERSION (Chromatic Dispersion)		Core Clad Concentricity Error	: ≤ 0.5 μm
1285-1330 nm	: < 3.5 ps/nm.km	Coating Diameter	: 245 ± 10 μm
1270-1340 nm	: < 5.3 ps/nm.km	Coating/Cladding Concentricity	: ≤ 12 μm
1550 nm	: < 18.0 ps/nm.km	CUT OFF WAVELENGTH	
1625 nm	: NA	Fibre cut-off Wavelength	: < 1320 nm
B. POLARIZATION MODE DISPERSION AT 1310 & 1550 NM		Cable Cut-off Wavelength	: < 1260 nm
At Fibre Stage	: ≤ 0.2 ps/sqrt.km	MECHANICAL & OPERATING CHARACTERISTICS	
At Cable Stage	: ≤ 0.3 ps/sqrt.km	Operating Temperature	: -20° C to +70° C
C. DISPERSION SLOPE & WAVE LENGTH		Fibre Proof Test	: 1%
Zero Dispersion Wavelength	: 1300-1324 nm	Stripability Force	: 1.3 < F < 8.9 N
Zero Dispersion Slope	: ≤ 0.092 ps/nm ² .km	Fibre Curl	: 4 meter radius of curvature
CABLE MECHANICAL & PHYSICAL CHARACTERISTICS			
CABLE MECHANICAL CHARACTERISTICS		CABLE PHYSICAL CHARACTERISTICS	
Max. Tensile Strength	: 400 N	Cable Diameter	: 4mm ± 0.2 mm
Crush Resistance	: 1000 N/10 CM	Nominal Cable Weight	: 15 Kgs
Impact Resistance	: 10 Nm	Packing Length	: 2/4 KM ± 10% & SLG > 500 Meter
Min. Bending Radius (Long Term)	: 20D (D= Cable Diameter mm)	Printing Details	: As Per Customer Requirement



Drop Cable (Round)

FTTH DROP CABLE ROUND WITH FRP DESIGN (NO GFR-YARN) (Up to 4F)



FIBER & TUBE COLOUR CODING



CONSTRUCTION DETAILS			
No of Fibre/Tube	: 1F per tube - Blue Colour		
	: 4F per tube - Blue, Orange, Green & Aqua/Natural Or Any Colour		
Loose Tube	: PBT Loose Tube Filled With Thixotropic gel		
Tube Identification			
Peripheral Strength Member	2 FRP x 0.5mm FRP to meet tensile strength & anti buckling properties FRP (Non Metallic) - 2 Nos		
Outer Jacket	: UV Proof HDPE - Black		
FIBRE CHARACTERISTICS (As per ITU-T Rec. G. 652 D)			
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CABLE MECHANICAL & PHYSICAL CHARACTERISTICS			
CABLE MECHANICAL CHARACTERISTICS		CABLE PHYSICAL CHARACTERISTICS	
Max. Tensile Strength	: 400 N	Cable Diameter	: 4.5mm ± 0.2 mm
Crush Resistance	: 1000 N/10 CM	Nominal Cable Weight	: 15 Kgs
Impact Resistance	: 10 Nm	Packing Length	: 2/4 KM ± 10% & SLG > 500 Meter
Min. Bending Radius (Long Term)	: 20D (D= Cable Diameter mm)	Printing Details	: As Per Customer Requirement





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