

Ftth

OPTICAL FIBER CABLES

- Ftth Flat Drop Outdoor Cable
- Flat Drop Indoor Cable

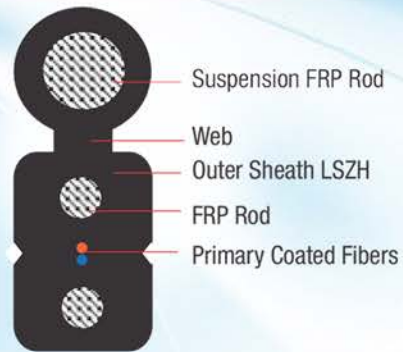


FTTH Cables

FLAT DROP OUTDOOR CABLE (2F)



FIBER & TUBE COLOUR CODING



APPLICATIONS & FEATURES

- Suitable for outdoor installation
- Suitable for aerial installation, to the end Connectivity up to home
- Easy installation
- Broadband network
- Gel free design
- Available upto 2 fibers

OPTIONS AVAILABLE ON REQUEST

- ARP Rod as a peripheral strength member/ Customized designs/Steel Wire as a suspension

INTERNATIONAL STANDARDS

- IEC 60794; IEC 60793; ITU-T Rec. G.650; ITU-T Rec. G.652;
- ITU-T Rec. G.655; ITU-T Rec. G.656; ITU-T Rec G.657;
- EN 187000; Telecordia GR-20 issue 3rd May, 2008

CONSTRUCTION DETAILS

- Fiber embedded in LSZH Sheath between 2 FRP as Peripheral Strength Member (PSM)
- Outer sheath with LSZH compound
- FRP Rod for self supporting
- Fiber count 1F-2F (SM Fiber G.652D, G.655, G.657 and Multimode OM1, OM2, OM3 & OM4)

ENVIRONMENTAL CONDITIONS (IEC 60794-1-2-F1)

- Operating Temperature : -30°C to + 70°C
- Storage Temperature : -30°C to + 70°C
- Installation Temperature : -20°C to + 70°C

DRUM LENGTH

- 2000 meters ± 10%
- As per customer's requirement

TECHNICAL DATA

Fiber Count	Outer Diameter *HxW(Nominal)	Weight (kg/km)	Tensile Strength (N)		Bending Radius	
			Temporary	Permanent	Temporary	Permanent
1F-2F	2.0 X 5.0 mm (0.08 X 0.2 in)	25	1000	500	30	60

H= Height of Cable ; W= Width of Cable

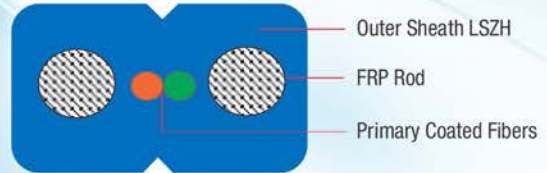
FIBER TRANSMISSION PERFORMANCE

Parameters	Multimode				Single Mode
	OM1	OM2	OM3	OM4	G.652D
Fiber Core Diameter (µm)	62.5	50	50	50	9
Fiber Category	OM1	OM2	OM3	OM4	G.652D
Wavelengths (nm)	850/1300	850/1300	850/1300	850/1300	1310/1550/1625
Maximum Attenuation (dB/ km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.36/0.23/0.26
Bandwidth (MHz*km) 850/ 1300	200/500	500/500	1500/500	3500/500	N/A



FTTH Cables

FLAT DROP INDOOR CABLE (2F)

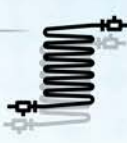


FIBER & TUBE COLOUR CODING



DRUM

Available in
2Km & above



COIL

0.1 Kms & above



FRP

2 FRP/ 2 steel wire



YARN

NA



JACKET

LSZH/HDPE

APPLICATIONS & FEATURES

- Suitable for indoor installation in any type of civil structures
- Suitable for aerial installation to the end connectivity up to home
- Easy installation
- Broadband network
- Gel free design
- Available upto 4 fibers

OPTIONS AVAILABLE ON REQUEST

- ARP Rod/Steel wire as a peripheral strength member/
Composite fibers/Customized designs

INTERNATIONAL STANDARDS

- IEC 60794; IEC 60793; ITU-T Rec. G.650; ITU-T Rec. G.652;
- ITU-T Rec. G.655; ITU-T Rec. G.656; ITU-T Rec G.657;
- EN 187000; Telecordia GR-20 issue 3rd May, 2008

CONSTRUCTION DETAILS

- Fiber embedded in LSZH Sheath between 2 FRP
Peripheral Strength Member(PSM)
- Outer sheath with LSZH compound
- Fiber count 1F-4F (SM Fiber G.652D, G.655, G.657 and
Multimode OM1, OM2, OM3 & OM4)

ENVIRONMENTAL CONDITIONS (IEC 60794-1-2-F1)

- Operating Temperature : -30 °C to + 70 °C
- Storage Temperature : -30 °C to + 70 °C
- Installation Temperature : -20 °C to + 70 °C

DRUM LENGTH

- 2000 meters ± 10%
- As per customer's requirement

TECHNICAL DATA

Fiber Count	Outer Diameter *HxW(Nominal)	Weight (kg/km)	Tensile Strength (N)		Bending Radius	
			Temporary	Permanent	Temporary	Permanent
2F	2.0 X 3.0 mm (0.08 X 0.12 in)	8	50	25	30	60
4F	2.2 X 3.5 mm (0.09 X 0.14 in)	10	50	25	30	60

H= Height of Cable ; W= Width of Cable

FIBER TRANSMISSION PERFORMANCE

Parameters	Multimode				Single Mode
	OM1	OM2	OM3	OM4	G.652D
Fiber Core Diameter (µm)	62.5	50	50	50	9
Fiber Category	OM1	OM2	OM3	OM4	G.652D
Wavelengths (nm)	850/1300	850/1300	850/1300	850/1300	1310/1550/1625
Maximum Attenuation (dB/ km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.36/0.23/0.26
Bandwidth (MHz*km) 850/ 1300	200/500	500/500	1500/500	3500/500	N/A



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