

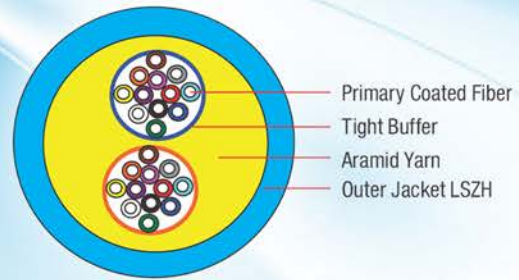
Indoor OPTICAL FIBER CABLES

- Premises Distribution Cable
- Breakout Tight Buffer Unarmoured Cable



Indoor Cables

PREMISES DISTRIBUTION CABLE (Up to 24F)



FIBER & TUBE COLOUR CODING



APPLICATIONS & FEATURES

- Suitable for building inter connections
- Easy access to the fiber
- Good bending performance
- High tensile strength & light weight
- Gel free design
- Easy to strip & terminate

OPTIONS AVAILABLE ON REQUEST

- Tight buffered coating material PVC/Composite fibers/ Customized designs/Different colours of outer jacket/ Outer jacket with PVC compound

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

- Tight Buffered fiber coated with LSZH compound
- Aramid yarn reinforcement
- Outer jacket with LSZH compound
- Fiber count 2F-24F (SM Fiber G.652D, 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

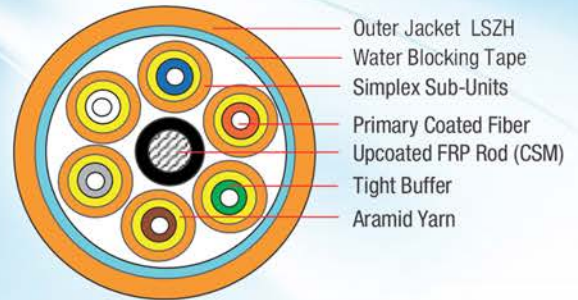
Fiber Count	Outer Diameter (Nominal)	Weight (kg/km)	Tensile Strength (N)		Bending Radius	
			Temporary	Permanent	Temporary	Permanent
4F	5.0 mm (0.20 in)	27	1000	500	15D	20D
6F	5.8 mm (0.23 in)	34	1000	500	15D	20D
8F	6.0 mm (0.24 in)	40	1000	500	15D	20D
12F	7.0 mm (0.28 in)	50	1000	500	15D	20D
16F	7.8 mm (0.31 in)	60	1200	600	15D	20D
24F	8.5 mm (0.33 in)	72	1200	600	15D	20D

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

Indoor Cables

BREAKOUT TIGHT BUFFER UNARMoured CABLE (Up to 12F)



FIBER & TUBE COLOUR CODING



APPLICATIONS & FEATURES

- Low to medium fiber count requirement
- In-building backbone or horizontal deployment
- Factory floor automation and harsh environment installation
- Office wiring
- Compatible with all standard fiber optic connectors
- Available upto 12 fibers

OPTIONS AVAILABLE ON REQUEST

- Composite fibers/Customized designs/Higher fiber count on request/FR PVC

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

- Non metallic, anti-buckling FRP rod as Central Strength Member (CSM)
- Individual fiber jacket outer diameter 2.5 mm (Simplex sub units)
- S/Z core wrapped with water blocking tape
- Aramid yarn reinforcement in sub units
- Outer jacket with LSZH compound
- For easy identification all the tight buffers are colour coated
- Fiber count 4F-12F (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 (Nominal)	Weight (kg/km)	Tensile Strength (N)		Bending Radius	
			Temporary	Permanent	Temporary	Permanent
4F-6F	10.4 mm (0.41 in)	96	800	400	15D	20D
8F	12.1 mm (0.48 in)	126	800	400	15D	20D
12F	15.1 mm (0.59 in)	186	800	400	15D	20D

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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