

# Interconnect OPTICAL FIBER CABLES

- Simplex Cable
- Duplex Cable



# Interconnect Cables

## SIMPLEX CABLE (1F)



### FIBER & TUBE COLOUR CODING



### DRUM

Available in  
2Km & above

### COIL

305 MTR & above

### FRP

NA

### YARN

ARAMID YARN

### JACKET

LSZH

### APPLICATIONS & FEATURES

- Suitable for building inter-connections (Campus LAN)
- Fiber patch panels within communications closets
- Link between electronic equipment & fiber patch panels
- Connectorized patchcords
- Gel free design
- Easy to strip & terminate

### OPTIONS AVAILABLE ON REQUEST

- Tight buffered coating material PVC/ Customized designs/Outer jacket of different colours/ Outer jacket with 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

- Tight buffer diameter 900 micron /600 micron
- Tight buffered fiber coated with LSZH comound
- Aramid yarn reinforcement
- Outer jacket with LSZH compound
- Fiber count 1F (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
1F	2.0 mm (0.08 in)	4	200	100	30	30
1F	3.0 mm (0.12 in))	10	300	150	30	30

## 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



# Interconnect Cables



## DUPLEX CABLE (2F)



### FIBER & TUBE COLOUR CODING



#### DRUM

Available in  
2Km & above



#### COIL

305 m & above



#### FRP

NA



#### YARN

ARAMID



#### JACKET

LSZH

### APPLICATIONS & FEATURES

- Suitable for building inter-connections (Campus LAN)
- Fiber patch panels within communications closets
- Link between electronic equipment & fiber patch panels
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### OPTIONS AVAILABLE ON REQUEST

- Tight buffered coating material PVC/Customized designs/Outer jacket of different colours/Outer jacket with 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

- Tight buffered fiber coated with LSZH compound
- Tight buffer diameter 900 micron /600 micron
- Aramid yarn reinforcement
- Outer jacket with LSZH compound
- Fiber count 2F (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 HxW(Nominal)	Weight (kg/km)	Tensile Strength (N)		Bending Radius	
			Temporary	Permanent	Temporary	Permanent
2F (Maxi-Zip)	3.0 X 6.0 mm (0.12 X 0.24 in)	16	600	300	30	60
2F (Mini-Zip)	2.0 X 4.0 mm (0.08 X 0.16 in)	8	400	200	30	60

\* H= Height of Cable ; W= Width of Cable

## FIBER TRANSMISSION PERFORMANCE

Parameters	Multimode				Single Mode
	OM1	OM2	OM3	OM4	G.652D
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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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