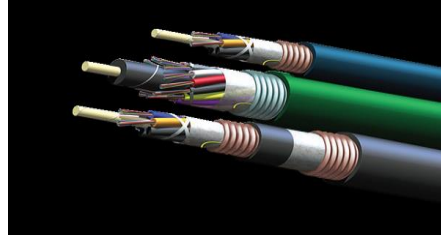


## 6 CORE OPTICAL FIBER ARMORED LSZH CABLE

FR-FC-U06-FZ



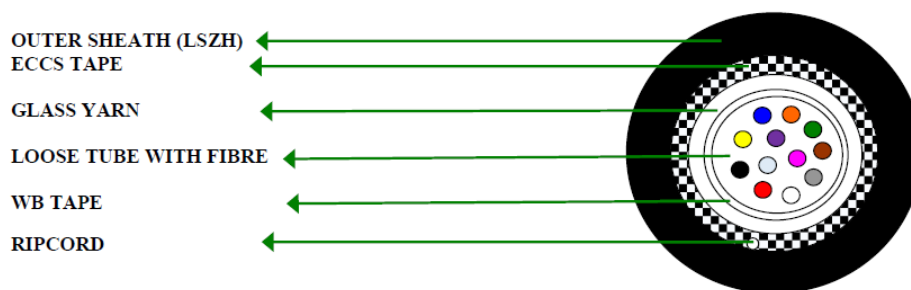
Mechanical & Environmental Properties		
Tension Strength Operational / Installation		2000/3500 Newton
Crush Resistance with 100mm Plate		3000 Newton/10cm
Minimum Bending Radius	Installed	10 * Cable Diameter
	During Installation	20 * Cable Diameter
Max. Operating/ Installation Temperature		-20 °C to + 70 °C
Fiber Properties		
Fiber Type		ITU-T SM G652D STANDARDS
Fiber Attenuation	@1310 nm	<0.34 dB/km
	@1550 nm	<0.21 dB/km
Point Discontinuity		<0.05 dB
Attenuation Vs. Wavelength	@1285-1330 nm	<0.36 dB/km
	@1525-1625 nm	<0.23 dB/km
Cable Cutoff Wavelength		< 1260nm
Mode Field Diameter	@1310 nm	9.2 ± 0.4µm
	@1550 nm	10.4 ± 0.5µm
Chromatic Dispersion	@ 1270-1340 nm band	< 5.3 ps/nm.km
	@ 1285-1330 nm band	< 3.5 ps/nm.km
	@ 1550 nm	< 18.0 ps/nm.km
Zero Dispersion Wavelength		1302-1324nm
Zero Dispersion Slope		<0.092ps/(nm <sup>2</sup> .km)
Polarization Mode Dispersion At 1550nm	Individual Fiber	< 0.10ps/vkm
	Link Design Value	< 0.08ps/vkm

### INDIA HEADQUARTERS

### MANUFACTURING UNIT

<b>Geometrical Specification</b>	<b>Cladding Diameter</b>	125 ± 1µm
	<b>Core Clad Concentricity Error</b>	< 0.6µm
	<b>Cladding Non-Circularity</b>	< 1 %µm
	<b>Natural fiber Coating Diameter</b>	245 ± 7µm
	<b>Coating-Cladding Concentricity Error</b>	< 10µm
<b>Fiber Curl</b>		> 4 m radius of curvature
<b>Physical &amp; Dimensions Properties</b>		
<b>No. of Fibers</b>		6F
<b>Type of Fiber</b>		SM G652D
<b>No. of Tubes</b>		1
<b>Strength Member</b>		GLASS YARN & ECCS TAPE
<b>Colour of Loose Tube</b>		BLUE
<b>Colour of Fiber</b>		BLUE, ORANGE, GREEN, BROWN, GREY & WHITE
<b>Outer Sheath Material</b>		LSZH – BLACK
<b>Outer Sheath Thickness</b>		1.80 mm Nominal
<b>Outer Cable Diameter</b>		10.20 ± 0.50 mm
<b>Cable Weight</b>		85 ± 10% Kg/Km

**CROSS SECTIONAL VIEW:**



**This Figure Is Only For Illustrate Purpose**