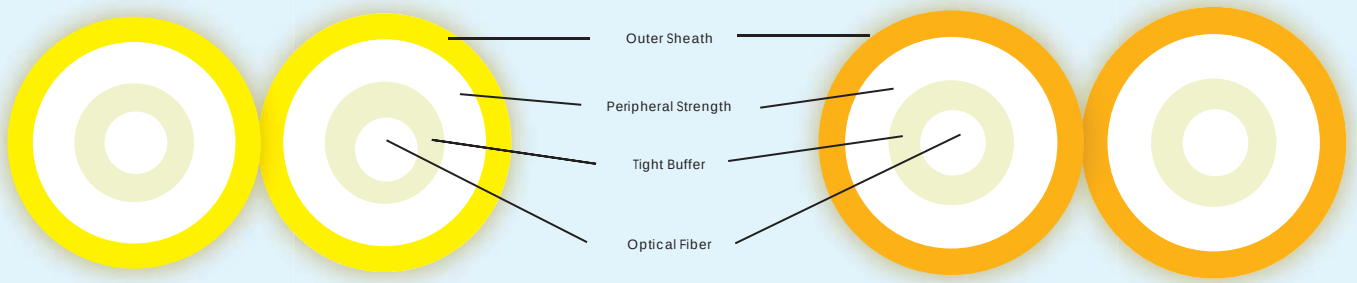
::: Cross Section Diagram :::



Singlemode

Multimode

Material Specification And Construction		
Tight Buffer	Material Diameter	PVC/Nylon 0.9 ± 0.1 mm
Peripheral Strength Member	Material Assembly	Aramid Yarn Longitudinally
Outer Sheath	Material * Thickness	PVC 0.5 ± 0.15 mm
Cable Diameter (Nominal)		5.8 ± 0.2 mm
Cable Weight (Nominal)		< 20 kg/km

Parameter	Value
Installation Maximum Pulling Load * Maximum Operating Load *	 300 N 60 N
Crush Resistance (between parallel plates)	400 N/cm
Impact Resistance	20 times @ 1.5 Nm
Minimum Bending Radius - During Installation - Installed	 15 x Outer Diameter 10 x Outer Diameter
Temperature Range - Storage on Reel - Operating	 -40ºC ~ +70ºC -20ºC ~ +70ºC

Parameter	Value		
Type Of Fiber	9/125 um	50/125 um	62.5/125 um
Fiber Core	$GeCl_4$ (Germanium Tetrachloride) + $SiCl_4$ (Silica Tetrachloride)		
Fiber Cladding	$SiCl_4$ (Silica Tetrachloride)		
Core Diameter	8 ± 1.0 um	50 ± 3.0 um	62.5 ± 3.0 um
Cladding Diameter	125 ± 2 um	125 ± 2 um	125 ± 2 um
Numerical Aperture	0.12 ± 0.01	0.20 ± 0.015	0.275 ± 0.015
Average Attenuation	1310 nm : <= 0.36 dB/km 1550 nm : <= 0.25 dB/km	850 nm : <= 3.0 dB/km 1300 nm : <= 1.0 dB/km	
Maximum Attenuation	1310 nm : <= 0.45 dB/km 1550 nm : <= 0.35 dB/km	850 nm : <= 3.5 dB/km 1300 nm : <= 1.2 dB/km	
Bandwidth	Not Applicable	850 nm : >= 300 MHz/km	850 nm : >= 150 MHz/km
		1300 nm : >= 600MHz/km	1300 nm : >= 400MHz/km

::: Ordering Information :::

Part Number	Description
LTOC-CB-SM-04	Fiber Cable Assembly SM Duplex 3.0mm
LTOC-CB-MF-04	Fiber Cable Assembly MM 50um Duplex 3.0mm
LTOC-CB-MM-04	Fiber Cable Assembly MM 62.5um Duplex 3.0mm

*Specification subject to change without prior notice