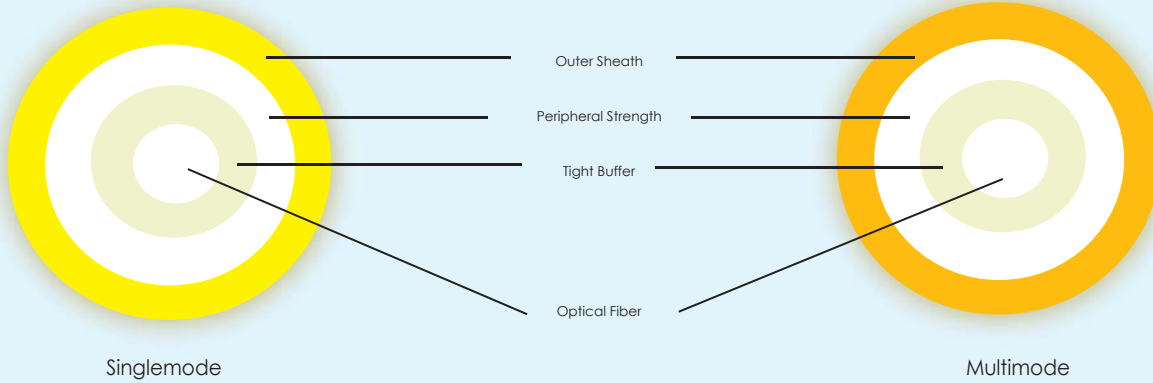


OPTICAL FIBER CABLE SIMPLEX SINGLEMODE & MULTIMODE

::: Cross Section Diagram :::



Singlemode

Multimode

Transmission Parameters Of Fibres						Geometrical Parameters Of Fibres							
Parameter	Unit	Singlemode Fibre			Multimode Fibre		Parameter	Unit	Singelmode Fibre			Multimode Fibre	
		G.652D	G.652-C	G.655	G.651 50/125	G.651 62.5/125			G.652D	G.652-C	G.655	G.651 50/125	G.651 62.5/125
Attenuation						Mode field diameter at wavelength							
850 nm	dB/km				3.0	3.5	1310 nm	µm	9.2±0.4	9.2±0.4			
1310 nm		≤0.36	≤0.36		1.0	1.5	1550 nm	µm	10.4±0.8	10.4±0.8	9.2-10.0		
1383 nm		≤0.21	≤0.36	≤0.21			Mode field noncircularity	µm	≤0.5	≤0.5	≤0.5		
1550 nm		≤0.22	≤0.22	≤0.22			Core diameter	µm				50±2	62.5±2
1625 nm		≤0.23	≤0.25	≤0.25			Cladding diameter	µm	125±1.0			125±2.0	
Chromatic dispersion						Cladding ellipticity							
1288-1339 nm	ps/nm km	≤3.5	≤3.5				%	≤1			≤2		
1550 nm		≤18	≤18				Coating / cladding concentricity	µm	≤12				
1530-1565 nm				1.0 to 6.0			Core / cladding concentricity	µm	≤0.5		≤3.0		
1565-1625 nm				4.5 to 11.2		\	Primary coating diameter	%	≤1.0		≤2.0		
Bandwidth						Numerical aperture							
850 nm	MHz km				≥200	≥160	µm	245±5					
1300 nm					≥500	≥500	m	≥4					
PMD						Curl							
individual fibre link value	ps/km ^{1/2}	≤0.2	≤0.2	≤0.1									
Cut off wavelength (in cable)	nm	≤1260	≤1260	≤1480									

Material Specification And Construction			Parameter	Value
Tigh Buffer	Material	PVC/Nylon	Installation	
	Diameter	0.9 ± 0.1 mm	Maximum Pulling Load *	500 N
Peripheral Strength Member	Material	Aramid Yarn	Maximum Operating Load *	200 N
	Assembly	Longitudinally	Crush Resistance (between parallel plates)	400 N/cm
Outer Sheath	Material *	PVC	Impact Resistance	20 times @ 1.5 Nm
	Thickness	0.5 ± 0.15 mm	Minimum Bending Radius	
Cable Diameter (Nominal)		3.0 ± 0.2 mm	- During Installation	15 x Outer Diameter
Cable Weight (Nominal)		< 10 kg/km	- Installed	10 x Outer Diameter
Proof Test	GPA	> 0.7	Temperature Range	
Flex Resistance	Greater than 2000 cycles		- Storage on Reel	-40°C ~ +70°C
Flex Resistance	Compiles with UL 1666 and IEC 332 parts 1 and 3C		- Operating	-20°C ~ +70°C

::: Ordering Information :::

Part Number	Description
LTOC-CB-SM-03	Fiber Cable Assembly SM Simplex 3.0mm
LTOC-CB-MF-03	Fiber Cable Assembly MM 50um Simplex 3.0mm
LTOC-CB-MM-03	Fiber Cable Assembly MM 62.5um Simplex 3.0mm

*Specification subject to change without prior notice