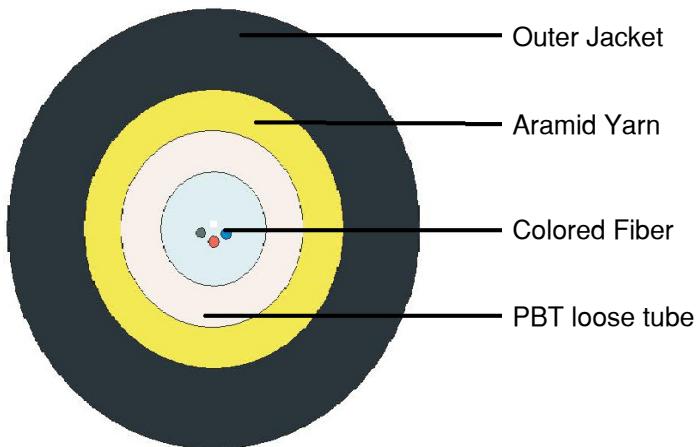


## CENTRAL LOOSE TUBE INDOOR CABLE LSZH SHEATH



**Form one single mode fiber**

Item	Unit	Specification	
Attenuation	dB/km	1310nm	$\leq 0.4$
		1550nm	$\leq 0.3$
Dispersion	Ps/nm.km	1285~1330nm	$\leq 3.5$
		1550nm	$\leq 18.0$
Zero dispersion wavelength	Nm	1300~1324	
Zero dispersion slope	Ps/nm.km	$\leq 0.095$	
Fiber cutoff wavelength	Nm	$\leq 1260$	
Mode field diameter	Um	$9.2 \pm 0.5$	
Mode field concentricity	Um	$\leq 0.8$	
Cladding diameter	Um	$125 \pm 1.0$	
Cladding non-circularity	%	$\leq 1.0$	
Coating/cladding concentricity error	Um	$\leq 12.5$	
Coating diameter	Um	$245 \pm 10$	
Bending, dependence	induced	1550nm, 1turns, 32mm diameter	$\leq 0.5$ db
Attenuation		100rums, 60mm diameter	
Proof test	kpsi	$\geq 100$	

### Form two multimode fiber

Item	Unit	Specification	
Attenuation	dB/km	850 nm	$\leq 3.5$
		1300nm	$\leq 1.5$
Bandwidth	MHz.km	50/125um	62.5/125um
		850nm $\geq 200$	850nm $\geq 160$
		1300nm $\geq 200$	1300nm $\geq 200$
Cladding diameter	Um	$125 \pm 1.0$	
Cladding non-circularity	%	$\leq 1.0$	
Coating/cladding concentricity error	Um	$\leq 12.5$	
Coating diameter	Um	$245 \pm 10$	
bending, dependence	induced	850nm,1300nm	100turns, 75mm $\leq 0.5$ at 850nm\1300nm
attenuation	diameter		
Proof test	kpsi	$\geq 100$	

### Each requirement

- 1 - Number of fiber
  - 2---12
- 2 - Characteristic of fiber
  - 3. Color: 12 different colors according to the chromatogram
- 3 - The out diameter of PBT loose tube
  - $\Phi 3.0 \pm 0.1$  mm
- 4 - Aramid yarn
- 5 - Out jacket
  - 4. Material: PVC/LSZH/PE
  - OD:  $6.0 \pm 0.3$  mm

### Application

Model	Fiber account	OD(mm)	Tube account	Nominal Weight (kg/km)	Max.Tension(N)		Max. Crushing Resistance (N/100)	
					Short-term	Long-term	Short-term	Long-term
FC-XXX-XX-CLTI-3	2--24	6.0±0.3	1	38	1000	400	1000	300

The true weight of optical cable may had some tolerance with the above stated value.

### Part Number Legend.

FO CABLE	MODE		FIBER COUNT		FIBER PLACEMENT		PURPOSE		JACKET TYPE	
FC	OS1	OS1	2 CORE	02	CENTRAL LOOSE TUBE	CLT	INDOOR	I	PVC	1
	OS2	OS2	4 CORE	04					PE	2
	OM1	OM1	6 CORE	06					LSZH	3
	OM2	OM2	8 CORE	08						
	OM3	OM3	12 CORE	12						
	OM4	OM4	24 CORE	24						

### Example:

FC-OM4-06-CLTI-3----Fiber Optic Cable OM4 06 core Central Loose Tube Indoor with LSZH jacket