



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	\leq 100

Form two multimode fiber

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

Each requirement

- 1 - Number of fiber : 2---12
- 2 - Characteristic of fiber : Color: 12 different colors (4C blue/orange/green/natural; 6C blue/orange/green/brown/grey/natural ; 8C: blue/orange/green/brown/grey/natural/red/black; 12C: blue/orange/green/brown/grey/natural/red/black/yellow/purple/pink/aqua)
- 3 - The out diameter of PBT loose tube;
 $\Phi 2.10 \pm 0.1$ mm
- 4 - Steel tape
- 5 - Steel Wire
- 6 - Out jacket
 Material: PE
 OD: 6.0 ± 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-CLTO-3	2--24	8.0±0.3	1	62	1500	500	3000	1000