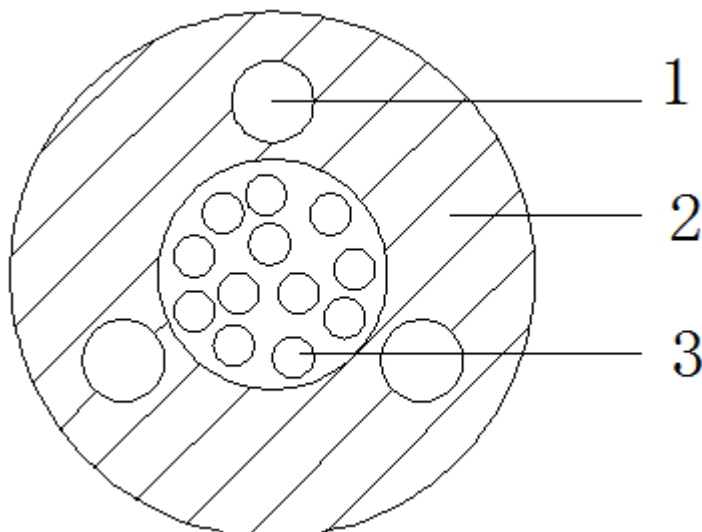


EZ-T Optical Fiber Cable

Cable Structure



Mark:1.FRP 2.Out jacket 3.Fiber

Cable Technical Parameters

Fiber Count		2/4/6/8/12
FRP Diameter(mm)		0.5
Cable	OD (mm)	3.5±0.1
	Material	LSZH
Max.tensile Strength(N)	Short-term	120
	Long-term	60
Nominal weight(kg/km)		13
Min.Bending Radius(mm)	Dynamic	20D
	Static	10D
Max.Crush Resistance(N/100mm)	Short-term	500
	Long-term	100
Color		According to contract
Strength Members		Aramid yarn
Temperature range	Storage or transportation	-20~70℃
	Operation	-20~60℃

Optical Characteristics

Single-mode				
Fiber type	G652D 1310/1550nm	G657A1 1310/1550nm	G657A2 1310/1550nm	G657B3 1310/1550nm
Attenuation(dB/km)	0.34/0.20	0.35/0.21	0.35/0.21	0.35/0.21
Zero dispersion slope	≤0.092	≤0.092	≤0.092	≤0.092
	ps/(km*nm ²)	ps/(km*nm ²)	ps/(km*nm ²)	ps/(km*nm ²)
Dispersion(1285~1340nm)	-3.5~3.5 ps/(km*nm)	-3.5~3.5 ps/(km*nm)	-3.5~3.5 ps/(km*nm)	-3.5~3.5 ps/(km*nm)
Mode field diameter @1310nm	8.7~9.5μm	8.4~9.2μm	8.4~9.2μm	8.4~9.2μm
Cutoff wavelength cable (nm)	≤1260	≤1260	≤1260	≤1260
Min bend diameter(μm)	16	10	7.5	5
Cladding diameter(μm)	125.0±0.7	125.0±0.7	125.0±0.7	125.0±0.7
Coating diameter(μm)	240±5	240±5	240±5	240±5
Multi-mode				
Fiber type	62.5/125 850/1300nm		50/125 850/1300nm	
Attenuation(dB/km)	2.7/0.6		2.3/0.6	
Bandwidth(MHz*km)	≥200/≥500		≥500/≥500	
Min bend radius(mm)	30		30	
Core diameter(μm)	62.5±2.5		50.0±2.5	
Cladding diameter(μm)	125.0±1.0		125.0±1.0	
Coating diameter(μm)	245±7		245±7	
Multi-mode				
Fiber type	BIOM2 ⁺ 850/1300nm	BIOM3 850/1300nm	BIOM4 850/1300nm	
Attenuation(dB/km)	2.4/0.6	2.4/0.6	2.4/0.6	
Bandwidth(MHz*km)	≥700/≥500	≥1500/≥500	≥3500/≥500	
Effective modal bandwidth 850nm(MHz*km)	≥950/---	≥2000/---	≥4700/---	
10 Gigabit ethernet SX 850nm	150m	300m	550m	
Min bend radius(mm)	7.5	7.5	7.5	
Core diameter(μm)	50.0±2.5	50.0±2.5	50.0±2.5	
Cladding diameter(μm)	125.0±1.0	125.0±1.0	125.0±1.0	
Coating diameter(μm)	245±7	245±7	245±7	