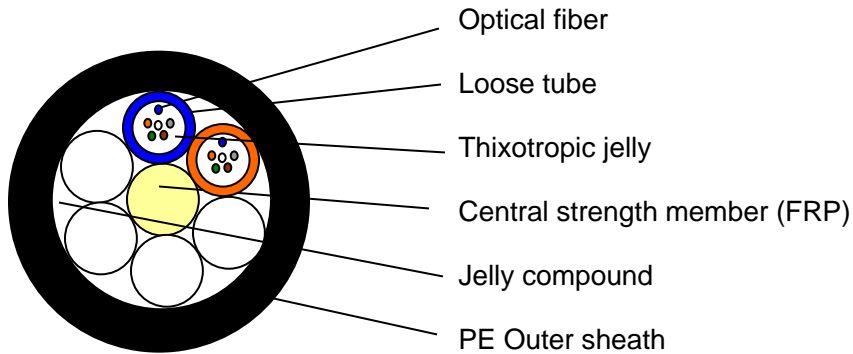


4-Fiber Loose Tube Singlemode



Features:

- Loose Tube
- Singlemode

OPTICAL FIBER

Category	Description		Specifications
			Singlemode
Optical Specifications	Attenuation	@1310nm	≤0.35dB/km
		@1550nm	≤0.22dB/km
	Attenuation discontinuity		≤0.05 dB
	Attenuation vs. Wavelength	@1285~1330nm	≤0.05 dB/km
		@1525~1575nm	≤0.05 dB/km
	Zero Dispersion Wavelength		1300~1324nm
	Zero Dispersion Slope		≤0.092ps/(nm ² .km)
	Dispersion	@1310nm	≤3.5 ps/nm.km
		@1550nm	≤18 ps/nm.km
	Polarization Mode Dispersion(PMD)		≤0.2ps/km ^{1/2}
Cable Cutoff Wavelength(λ_{cc})		≤1260nm	
Effective Group Index of Refraction	@1310nm	1.4675	
	@1550nm	1.4681	
Geometric Specifications	Mode Field Diameter	@1310nm	9.2±0.6μm
		@1550nm	10.4±0.8μm
	Cladding Diameter		125±1μm

	Cladding Non-Circularity	≤1.0%
	Coating Diameter	243±7μm
	Coating/Cladding Concentricity Error	≤8μm
	Core/Cladding Concentricity Error	≤0.8μm
Mechanical Specifications	Proof Test level	≥1.0%
	Fiber Curl Radius	≥4.0m
	Peak Coating Strip Force	1.3~8.9N

Structure		Parameter	
Fiber count	Fibers	4	
Central Strength Member	Material	Fiberglass Reinforce with Plastic(FRP)	
Loose Tube Diameter	mm	2.2	
Fibers per Tube	--	4	
Element	--	6	
Filling compound in loose tube	Material	Thixotropic jelly	
Water Blocking Material	--	Jelly	
Outer Sheath	Material	PE	
Cable Diameter	mm	10.9	
Weight	kg/km	97	
Tensile strength	Long term	N	600
	Short term	N	1500 (Fiber strain≤0.33%)
Crush Resistance	Long term	N	300
	Short term	N	1000
Bending Radius	Dynamic	--	≥25×Cable Diameter
	Static	--	≥12.5×Cable Diameter

Color Coding:

No. of fiber	1	2	3	4	5	6
Color of fiber	Blue	Orange	Green	Brown	Grey	White

Identification of optical tube

No. of tube	1	2				
Color of tube	Blue	Orange				

Make-up of cable, No. of Fibers in each Tube

No. of Fibers	No. of Tube	1	2	3	4	5	6
4	1	Blue	White filler	White filler	White filler	White filler	White filler
		4					
6	1	Blue	White filler	White filler	White filler	White filler	White filler
		6					
12	2	Blue	Orange	White filler	White filler	White filler	White filler
		6	6				

Ordering Information:

Part Number	Description
NEW-9410004	4-Fiber Singlemode Loose Tube (sells in 2Km reels only)