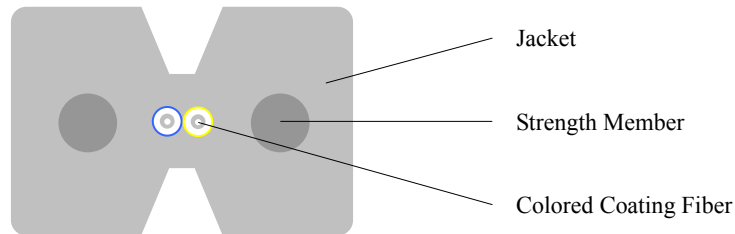


FTTH Fiber Indoor 2core Cable

Cable Diagram



Optical Fiber

Parameter		Unit	Value
Optical Fiber Type			G.657A1
Mode Field Diameter	@1310nm	μm	8.6 ± 0.4
	@1550nm	μm	9.8 ± 0.5
Cladding Diameter		μm	125.0 ± 0.7
Cladding Non-Circularity		%	≤ 0.8
Core-Cladding Concentricity Error		μm	≤ 0.5
Coating Diameter		μm	245 ± 7
Cladding-Coating Concentricity Error		μm	≤ 10.0
Fiber Curl Radius		m	≥ 4.0
Attenuation (max.)		dB/km	$\leq 0.4 @ 1310\text{nm}$
		dB/km	$\leq 0.3 @ 1550\text{nm}$
Macro-Bending Loss	10turn \times 15mm radius @1550nm	dB	≤ 0.25
	10turn \times 15mm radius @1625nm	dB	≤ 1.0
	1turn \times 10mm radius @1550nm	dB	≤ 0.75
	1turn \times 10mm radius @1625nm	dB	≤ 1.5
Cable Cutoff Wavelength		nm	$\lambda_{cc} \leq 1260$
Zero Dispersion Wavelength λ_0		nm	1300-1324
Zero Dispersion Slope S_0		ps/ (nm ² ·km)	≤ 0.092
PMD	Fiber Value	ps/km ^{1/2}	≤ 0.2
	Link Value	ps/km ^{1/2}	≤ 0.1
Proof Stress Level		%	Strain ≥ 1.2
Proof Tension Stress		N	≥ 11.76
Effective Group Index	@1310nm		1.4660
	@1550nm		1.4667
Other parameter meet standard			ITU-T G.657A1

Cable

Parameter		Unit	Value
Fiber Count		core	2
Colored Coating Fiber	Diameter	μm	250 ± 50
	Color		Blue Yellow
Strength Member	Diameter	mm	0.45
	Material		FRP
Outer Jacket	Diameter	mm	$(3.0 \pm 0.1) \times (2.0 \pm 0.1)$
	Material		LSZH
	Color		White
Nominal Weight		kg/km	8.8

Cable Characteristics

Parameter	Unit	Value
Tension (Long Term)	N	40
Tension (Short Term)	N	80
Crush (Long Term)	N/10cm	1100
Crush (Short Term)	N/10cm	2200
Min. Bend Radius (Dynamic)	mm	15H
Min. Bend Radius (Static)	mm	7.5H
Installation Temperature	$^{\circ}\text{C}$	-10~+50
Operating Temperature	$^{\circ}\text{C}$	-20~+60
Storage Temperature	$^{\circ}\text{C}$	-20~+60