

### STRUCTURE SPECIFICATION

Cable Type	GJXH	
Fiber count	1-2	4
The Colour Code of the fibers	Natural/Blue, Orange, Green, Brown	
Strength member	2*0.45mm Steel Wire	
Jacket Material	Anti-Flame LSZH	
Jacket Colour	White	
OD of cable (mm)	2.0x3.0 ±0.1	
Net weight ( kg/km)	10	10.9
Max Tensile Loading (N)	200	200

**OPTICAL FIBER:** Single Mode Fiber

Items	Units	Specification	
Fiber type		G652D	G657A
Attenuation	dB/km	1310nm ≤ 0.4 1550nm ≤ 0.3	
Chromatic Dispersion	ps/nm.km	1310nm ≤ 3.6 1550nm ≤ 18 1625nm ≤ 22	
Zero Dispersion Slope ≤	ps/nm <sup>2</sup> .km	≤ 0.092	
Zero Dispersion Wavelength	nm	1300 ~ 1324	
Cut-off Wavelength (λ <sub>cc</sub> )	nm	≤ 1260	
Attenuation vs. Bending (60mm x100turns)	dB	(30mm radius, 100ring) ≤ 0.1 @ 1625nm	(10mm radius, 1ring) ≤ 1.5 @ 1625nm
Mode Field Diameter	μm	9.2 ± 0.4 at 1310 nm	9.2 ± 0.4 at 1310nm
Core-Clad Concentricity	μm	≤ 0.5	≤ 0.5
Cladding Diameter	μm	125 ± 1	125 ± 1
Cladding Non-circularity	%	≤ 0.8	≤ 0.8
Coating Diameter	μm	245±5	245±5
Proof Test	Gpa	≥ 0.69	≥ 0.69

**Multi Mode Fiber**

Items		Units	Specification				
			62.5/125	50/125	OM3-150	OM3-300	OM4-550
Fiber Core Diameter		μm	62.5±2.5	50.0±2.5	50.0±2.5		
Fiber Core Non-circularity		%	≤6.0	≤6.0	≤6.0		
Cladding Diameter		μm	125.0±1.0	125.0±1.0	125.0±1.0		
Cladding Non-circularity		%	≤2.0	≤2.0	≤2.0		
Coating Diameter		μm	245±10	245±10	245±10		
Coat-Clad Concentricity		μm	≤12.0	≤12.0	≤12.0		
Coating Non-circularity		%	≤8.0	≤8.0	≤8.0		
Core-Clad Concentricity		μm	≤1.5	≤1.5	≤1.5		
Attenuation	850nm	dB/km	3.0	3.0	3.0		
	1300nm	dB/km	1.5	1.5	1.5		
OFL	850nm	MHz.km	≥160	≥200	≥700	≥1500	≥3500
	1300nm	MHz.km	≥300	≥400	≥500	≥500	≥500
The biggest theory numerical aperture		/	0.275±0.015	0.200±0.015	0.200±0.015		

### FIBER OPTIC CABLE BENDING RADIUS

Static bending:  $\geq 10$  times than cable out diameter  
Dynamic bending:  $\geq 20$  times than cable out diameter.

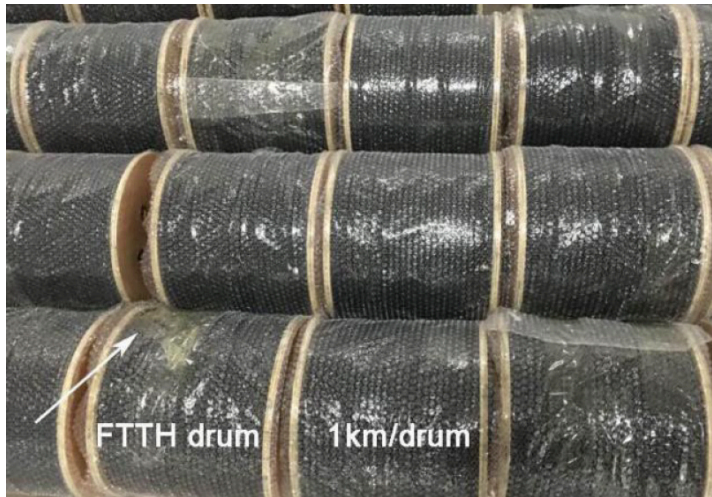
### MARK AND PACKAGE

#### Cable Mark

- Manufacturing year, fiber count, fiber type, sheath material, meter mark for without especial request.
- Customized printing by order request.

#### Package

- Packing length, 1km/plywood reel, the other length packed available.
- Packing material, cable on drum wrapped by protective foil, Plywood reel put into a carton.



### ORDERING

Part Number	Product Description
FO-FTTH-9A1S-X-LSZH-IN-WH-LS	FTTH single mode 1-2 & 4 core self-supporting: White