

# Optical Fiber Cable 12 Core



\* Cable reel order separately

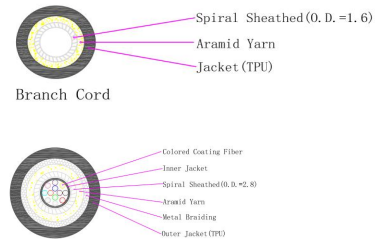
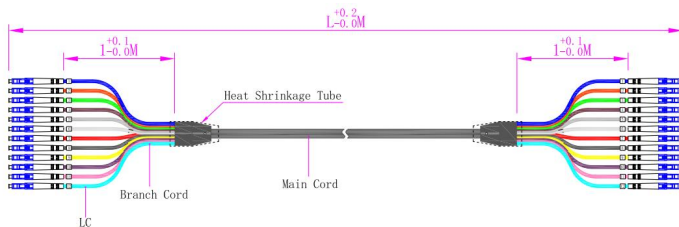
## Key Features

- LC to LC or SC to SC
- Single-mode /multimode for option
- OM3 for multimode
- Optical Fiber 12 Cores Inside
- Compatible with all standard fibre optic equipment and connectors
- Stainless Steel sheathed and metal braiding strengthened
- Ceramic ferrule ensure low signal loss
- TPU Jacket
- Waterproof protection Caps

## Specification

Connector	Input	LC×12/SC×12			
	Output	LC×12/SC×12			
Fiber	fiber mode	multi-mode 10G-150M	multi-mode 10G-300M	single mode G652D	
	Mode Field Diameter 1310nm	N/A	N/A	9.2±0.4μm	
	Mode Field Diameter 1550nm	N/A	N/A	10.4±0.5μm	
	Core Diameter	50.0±2.5μm	50.0±2.5μm	9μm	
	Cladding Diameter	124.8±1.0μm	124.8±1.0μm	124.8±0.7μm	
	Core Non-Circularity	≤5.0%	≤5.0%	≤5.0%	
	Cladding Non-Circularity	≤1.0%	≤1.0%	≤0.7%	
	Core-Cladding Concentricity Error	≤1.0μm	≤1.0μm	≤0.5μm	
	Coating Diameter	245±7μm	245±7μm	245 ±5μm	
	Coating Non-Circularity	≤6.0%	≤6.0%	≤6.0%	
	Cladding-Coating Concentricity	≤12.0μm	≤12.0μm	≤12.0μm	
	Fiber Cutoff Wavelength	N/A	N/A	λ <sub>cc</sub> ≤1260nm	
	OFL Bandwidth	850nm	≥700MHz*km	≥1500MHz*km	N/A
		1300nm	≥500MHz*km	≥500MHz*km	N/A
Effective Modal Bandwidth	850nm	≥950MHz*km	≥2000MHz*km	N/A	
	1300nm	≥500MHz*km	≥500MHz*km	N/A	
Attenuation Coefficient	850nm	≤3.0dB/km	≤3.5dB/km	1310nm ≤0.4dB/km	
	1300nm	≤1.0dB/km	≤1.5dB/km	1550nm ≤0.3dB/km	
Cable	Fiber Count	12			
	Tight buffer	Dimension	0.85mm±0.05mm		
		Material	PVC		
		Color	Blue/Orange/Green/Brown/Slate/White/Red/Black/Yellow/Violet/Rose/Aqua		
	Spiral Sheathing	Dimension	1.6mm±0.1mm(branch cord)/2.8mm±0.1mm(main cord)		
Material		Stainless Steel			
Color		Silvery White			
Strengthen Material	Aramid Yarn (Kevlar cover) Metal Braiding				
Jacket	Dimension	2.8±0.1mm(branch cord)/5.0±0.1mm(main cord)			
	Material	TPU			
	Color	Black			
Performance	Tensile Resistance	Branch Cord	10KG		
		Main Cord	30KG		
	Pressure Resistance	≥80KG			
	Min. Bend Radius	Dynamic	10Dmm		
Static		20Dmm			
Flaming Retardent Rating	UL94 V-0 (*Burning stops within 10 seconds on a vertical specimen, no drips of flaming particles.)				
Environment	Operating Temperature	-20°-75°C			
Physical	Outside Diameter(OD)	Branch Cord	2.8±1mm		
		Main Cord	5.0±1mm		
	Length	Branch Cord	1.0M±0.2M		
		Main Cord	custom		
Protection caps	4pcs				

## Dimension



## Order Codes

Product Code	Item
931-0XXX-04-0	Single Mode 12-core Optical Fiber Cable XXXm

\* Exact product code is subject to the cable length.

Product Code	Item
932-0XXX-04-0	Multiple Mode 12-core Optical Fiber Cable XXXm

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