

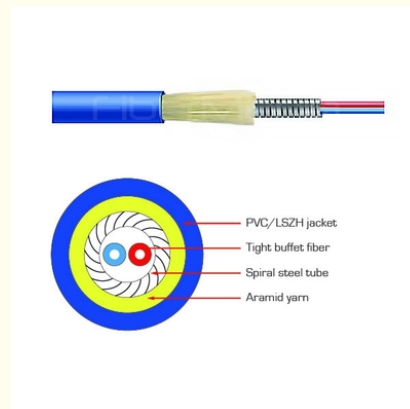
## Indoor Optical Fiber Cables Unitube Fiber Optic Cable Duplex Armored

Our Product Introduction

for more products please visit us on [optical-fibercables.com](http://optical-fibercables.com)

### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: FIBERMANIA
- Certification: ISO, UL, CE, RoHS
- Model Number: GJFJVA-UD-F-P
- Minimum Order Quantity: 1-2km
- Price: Negotiable
- Packaging Details: Wooden Drum
- Payment Terms: T/T, Western Union, L/C
- Supply Ability: 1000 Pieces

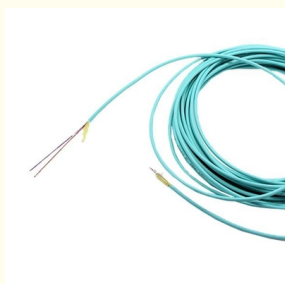


### Product Specification

- Name: Unitube Fiber Optic Cable
- Core: 2 Core
- Fiber Type: Single-mode Fiber
- Cable Structure: Round
- Jacket Material: OFNR
- Applications: Base Station
- Cable Length: Customized
- Fiber Brand: Yofc/Ofs/Corning
- Operating Temperature: -40°C~+80°C
- Highlight: **Unitube Fiber Optic Cable Duplex, Unitube Fiber Optic Cable Armored, Indoor Optical Fiber Cables**



### More Images

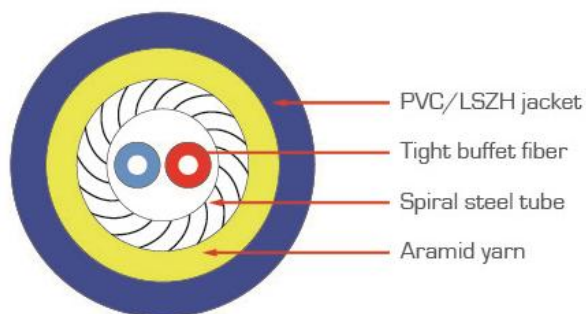


## Product Description

### Unitube Duplex Armored Indoor Optical Fiber Cable

Unitube Duplex Armored Indoor Optical Fiber Cable usually refers to a cable that contains two fiber cores, which can be placed in the same tube or have their own protective tubes. The fiber optic cable is designed to allow bidirectional transmission, that is, one core is used for signal transmission in one direction, while the other core is used in the opposite direction, enabling full-duplex communication. It is widely used in a variety of indoor environments, especially where high-density wiring and space saving are required.

The cable consists of a 0.6mm or 0.9mm tight buffer fibers, An armored flexible metal tube, a layer of Kevlar yarn, and an outer jacket. It is an ideal choice for direct connection. It's the easiest fiber cable to install where direct termination of connectors to sub-units and direct run to panels and equipment is desired. This cable could be used as normal electric wire.

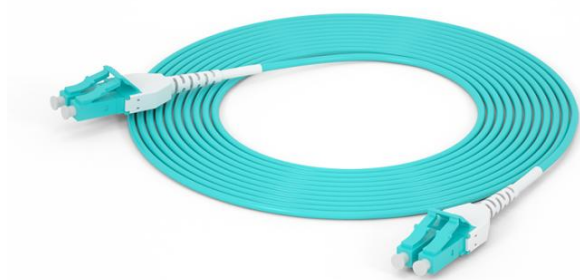


### Features

1. Armored construction for protection against physical damage and crushing
2. Unitube design for easy fiber access and termination
3. Duplex configuration provides two fibers in a single cable
4. High-quality materials for durability and long-term performance
5. Suitable for indoor use
6. High anti-tensility; High anti-pressure
7. High bent Resistance; Anti-bite from rodent animals
8. Support bidirectional data transmission

### Application

1. Armored patch cord pigtail assemblies.
2. Cabling installation on floor, wall corner and main communication line.
3. Other ODN, FTTH project.



### Specification

Cable Parameter			
Item		Specification	
Fiber Count		2	4
Sub-unit Jacket	Material	LSZH	
	Thickness	0.4mm±0.05mm	
	OD	2.0mm±0.2mm	
	Material	SUS204	
	OD	4.8mm±0.3mm	6.0mm±0.3mm

Armored Layer	Thickness	0.4mm±0.05mm	
	Gap	0.3mm±0.10mm	
Strength Member		Aramid Yarn	
Outer Jacket	Material	LSZH	
	Color	Black	
	Thickness	0.9mm±0.1mm	1.1mm±0.1mm
	OD	7.0mm±0.3mm	7.5mm±0.1mm 8.0mm±0.1mm

Mechanical and Environmental Characteristics			
Item		Specification	
Fiber Count		2	4
Tension Resistance (N)	Long Term	≥ 600	≥ 800
	Short Term	≥ 1000	≥ 1200
Crush Resistance (N/10cm)		≥ 3000	
Nominal Weight (kg/km)		65	85
Operating Temperature ( °C)		-40 ~ +80	
Storage Temperature ( °C)		-40 ~ +80	

Fiber Parameters					
Single Mode					
Item		Unit	G652D	G657A1	G657A2
Mode Field Diameter	1310nm	μm	9.1±0.4	8.8±0.4	8.8±0.4
	1550nm	μm	10.4±0.5	9.8±0.5	9.8±0.5
Cladding Diameter		μm	125±1	125±0.7	125±0.7
Cladding Non-circularity		%	≤ 1	≤ 0.7	≤ 0.7
Core-cladding Concentricity Error		μm	≤ 0.6	≤ 0.5	≤ 0.5
Coating Diameter		μm	245±7	245±5	245±5
Coating Non-circularity		%	≤ 6.0	≤ 6.0	≤ 6.0
Cladding-coating Concentricity Error		μm	≤ 12.0	≤ 12.0	≤ 12.0
Cable Cutoff Wavelength		nm	≤ 1260	≤ 1260	≤ 1260
Attenuation Coefficient	1310nm	dB/km	≤ 0.4	≤ 0.4	≤ 0.4
	1550nm	dB/km	≤ 0.3	≤ 0.3	≤ 0.3

Multimode						
Item	Unit	62.5/125	50/125	OM3-150	OM3-300	OM4
Core Diameter	μm	62.5±2.5	50±2.5	50±2.5	50±2.5	50±2.5
Cladding Diameter	μm	125±1.0	125±1.0	125±1.0	125±1.0	125±1.0
Core Non-circularity	%	≤ 5.0	≤ 5.0	≤ 5.0	≤ 5.0	≤ 5.0
Cladding Non-circularity	%	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
Core-cladding Concentricity Error	μm	≤ 1.5	≤ 1.5	≤ 1.0	≤ 1.0	≤ 1.0
Coating Diameter	μm	245±7	245±7	245±7	245±7	245±7
Coating Non-circularity	%	≤ 6.0	≤ 6.0	≤ 6.0	≤ 6.0	≤ 6.0
Cladding-coating Concentricity	μm	≤ 12.0	≤ 12.0	≤ 12.0	≤ 12.0	≤ 12.0
OFL Bandwidth	850nm	MHz-km	≥ 160	≥ 500	≥ 700	≥ 1500
	1310nm	MHz-km	≥ 500	≥ 500	≥ 500	≥ 500
Attenuation Coefficient	850nm	dB/km	≤ 3.0	≤ 3.0	≤ 3.0	≤ 3.0
	1310nm	dB/km	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0

## FAQ

Q1: What is the warranty of FiberMania's fiber patch cord?

A: FiberMania warrants that all fiber patch cords supplied are free from defects in material and workmanship for a period of five (5) years from the date of supply. All fiber optic bulk cables are UL profiled and every single cable is 100% tested.

Q2: Is it possible to customize our brand information on your fiber cable?

A: Yes, we can print your brand name onto our cable jacket and 1KM total cable length is requested.

Q3: Can you do 3D interferometer test?

A: Yes, we do the 3D test per our customer's request, we can have the pass rate over 90% and even 100% if necessary.

Q4: What is your MOQ of your products?

A: We only have MOQ for some special customized cable order, we request 1km as the total length of the bulk cable, you may consider stock the bulk cable with us for your urgent order production.

Q5: Are free samples available from you?

A: Yes, we are always happy to offer the free samples for all of our customers' projects provided that the total cost is under 50 US dollars.

Q6: Do you accept OEM and ODM orders?

A: Absolutely yes, we have been doing OEM services since we start in this business, and for every single label, printing, bag and carton design, we always treat it seriously and do it nicely. Our engineers can help you with your current design and even can open the new tooling for your specific project.



17704025189



[sales@fiber-mania.com](mailto:sales@fiber-mania.com)



[optical-fibercables.com](http://optical-fibercables.com)

3F, Building A2, Yinlong Industrial Park, Longdong, Longgang District, Shenzhen, China, 518116