# GJFJVA Simplex Armored Indoor Optical Fiber Cable Single-mode Fiber Customized Length for Fast Networking

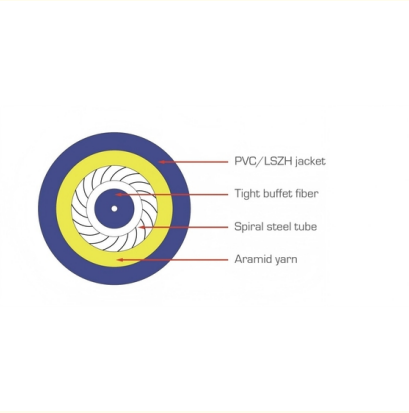
Our Product Introduction

## Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: FIBERMANIA
- Certification: ISO, UL, CE, RoHS
- Model Number: GJFJVA-S-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: GJFJVA
- Core: 1 Core
- Fiber Type: Single-mode Fiber
- Cable Structure: Round
- Jacket Material: OFNR
- Applications: Indoor
- Cable Length: Customized
- Fiber Brand: Yofc/Ofs/Corning
- Operating Temperature: -40°c~+80°c
- Highlight: **Fast Networking Indoor Optical Fiber Cable**, **Single-mode Indoor Optical Fiber Cable**, **Customized Length Indoor Optical Fiber Cable**




## More Images

Our Product Introduction

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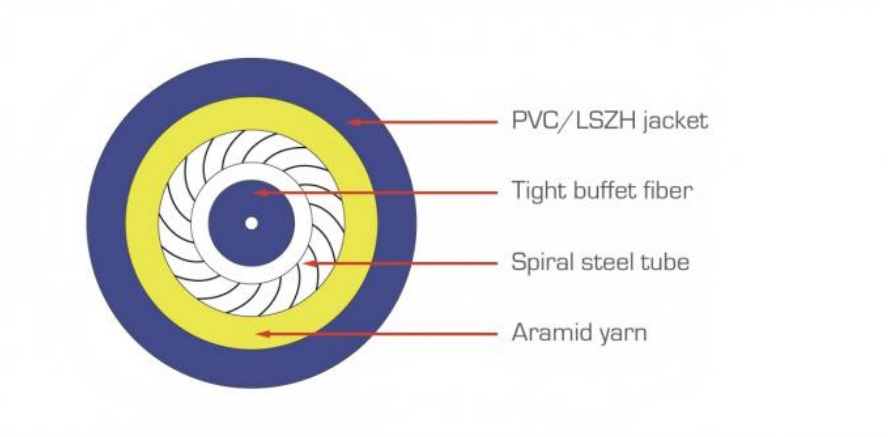
## Product Description

### Networking GJFJVA Simplex Armored Indoor Optical Fiber Cable

Fiber Optic indoor cables are used exclusively within buildings and must have a flame-retardant jacket to fit this purpose. They may be deployed in duct (conduit) or cable tray. When routing a cable within a building, you will also need to factor in fire prevention requirements. These requirements differ per country and region of the world.

GJFJV Simplex Round Cable use 900um tight buffer fiber as optical communication medium, the tight buffer fiber wrapped with a layer of yarn as flat stainless steel wires and then add a layer of aramid yarn as strength unit, and the cable is completed with outside jacket. (PVC,OFNR,OFNP,LSZH or other material as requirements)




### Features

1. Stainless steel wires enhance the crush resistance of the cable and anti-rodent;
2. High strength aramid yarn, high performance outer sheath;
3. Small bending radius, light weight, flexibility,and friendly installation;
4. Good mechanical and environmental performance;
5. Flame retardant outer sheath provide good safety.

### Application

1. Used in the manufacture of patch cords
2. Designed for short-run indoor patching or where frequent handling is likely
3. Color-coded for ease of identification during and post installation
4. Comes in both single fiber (SFC) and duplex fiber (ZIP) constructions
5. Ideal for LAN backbones, telecom access line, campus networks, and FTTX drops

### Specification

| Cable Parameter | | | |
|---|---|---|---|
| Item | | Specification | |
| Fiber Count | | 2 | 4 |
| Sub-unit Jacket | Material | LSZH | |
| | Thickness | 0.4mm±0.05mm | |
| | OD | 2.0mm±0.2mm | |
| Armored Layer | Material | SUS204 | |
| | OD | 4.8mm±0.3mm | 6.0mm±0.3mm |
| | 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<br>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 ( ºC) | | -40 ~ +80 | |
| Storage Temperature ( ºC) | | -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 | ≥ 3500 |
| | 1310nm | MHz·km | ≥ 500 | ≥ 500 | ≥ 500 | ≥ 500 | ≥ 500 |
| Attenuation Coefficient | 850nm | dB/km | ≤ 3.0 | ≤ 3.0 | ≤ 3.0 | ≤ 3.0 | ≤ 3.0 |
| | 1310nm | dB/km | ≤ 1.0 | ≤ 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.

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