

# Fiber Cable Assemblies

## Indoor-Outdoor Bend-Insensitive Fiber Jumper Cables



### Application

A fiber jumper, sometimes called a fiber patch cord, is a length of fiber cabling fitted with connectors at each end. They are used to connect end devices or network hardware.

### Description

Indoor-Outdoor Bend-Insensitive Fiber Jumper Cables are used in a variety of carrier networks and private network environments. The key to manufacturing high-performance fiber assemblies is using high quality connector components and controlling the termination and polishing process. Clearfield® monitors its automated polishing process to exceed industry specifications for insertion and return loss, ensuring a top-quality product.

### Features and Benefits

#### Integrity

- Terminations are designed and tested to Telcordia GR-326
- Clearfield® FiberDeep® Guarantee: 0.2 dB insertion loss or less, exceeding industry standards
- Supports industry standard singlemode connectors
- Singlemode G.657.B3 bend-insensitive glass fiber

#### Protection

- Indoor-Outdoor rated bend-insensitive jacket options available
- Available in simplex 3mm and 4.8mm jacket

#### Access

- Compact jacket design minimizes cable pile up
- Industry standard terminations include SC and LC for 3mm and SC only for 4.8mm

#### Investment

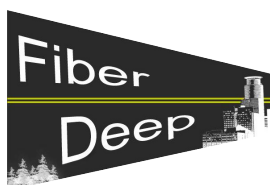
- Indoor Bend-Insensitive Fiber Jumper Cables offer an economical solution for deploying fiber in any optical network
- Environmentally stable, low-insertion loss, minimal back reflection
- All assemblies are 100% tested



3mm



4.8mm



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### Technical Specifications

Indoor-Outdoor Bend-Insensitive Fiber Jumper Cables	
Core Size and Type	Singlemode G.657.B
Fiber Count	Simplex Fiber Only
Jacket O.D.	3mm, 4.8mm
Cable Types	Indoor/Outdoor Riser
Connector Types	3mm = SC/UPC, SC/APC, LC/UPC, LC/APC; 4.8mm = SC/UPC, SC/APC
Operating Temperature	-40°C to 85°C (-40°F to 185°F)

### Minimum Performance Specifications for Terminated Singlemode Connectors

Connector Type	Ferrule Material	Polish Type	Ins. Loss, Typical	Max. Ins. Loss	Min. Ret. Loss
SC	Ceramic	UPC	0.15 dB	0.20 dB	55.00 dB
LC	Ceramic	UPC	0.15 dB	0.20 dB	55.00 dB
SC	Ceramic	APC	0.15 dB	0.20 dB	65.00 dB
LC	Ceramic	APC	0.15 dB	0.20 dB	65.00 dB

### Configured Part Numbers

*Disclaimer/Note: Paper configurator shown is for reference only and should not be used to configure a saleable product configuration. All options shown on paper configurators may not be available or compatible with other options listed. Please contact your Clearfield representative for assistance in product configurations.*

**P** \_\_\_\_ **A** - 0 0 1 - \_\_\_\_ **Z** \_\_\_\_ - \_\_\_\_ **Z** \_\_\_\_ **XXXM or XXXF**

**1** **2** **3** **4** **5**

**1 Select Cable Construction**

K = Indoor/Outdoor G657.B3 Black  
KW = Indoor/Outdoor G657.B3 White

**3 Select Jacket Size #1**

D = 3mm  
P = 4.8mm

**5 Select Jacket Size #2**

D = 3mm  
P = 4.8mm

**2 Select Connector #1**

A = SC/UPC  
C = SC/APC  
E = LC/UPC  
G = LC/APC

**4 Select Connector #2**

A = SC/UPC  
C = SC/APC  
E = LC/UPC  
G = LC/APC  
Z = Pigtail

**XXXM or XXXF**

XXXM = Length in meters  
XXXF = Length in feet