

Fiber Cable Assemblies

Indoor 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 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 controlling polish radius, apex offset and fiber undercut. 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.A1 and A2 bend-insensitive glass fiber

Protection

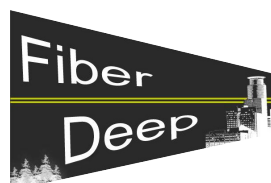
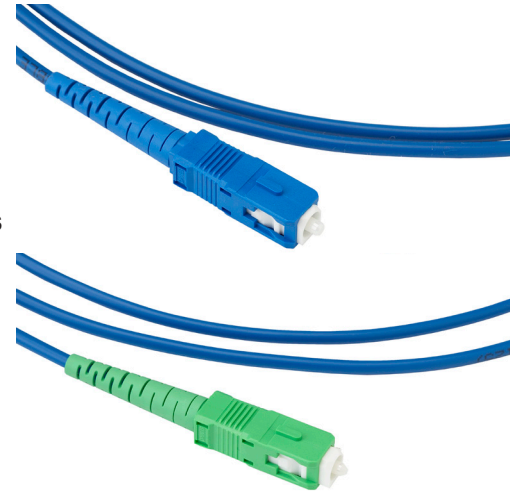
- Riser and Plenum rated bend-insensitive jacket options available
- Available in simplex, dual-round and dual zip-cord configurations

Access

- Compact jacket design minimizes cable pile up
- Industry standard terminations include SC and LC (ask a Clearfield representative for other connector availability)

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



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Technical Specifications

Indoor Bend-Insensitive Fiber Jumper Cables	
Core Size and Type	Singlemode (G.657.A1 and G.657.A2)
Fiber Count	Simplex (1-fiber) and duplex (2-fiber)
Jacket O.D.	2.0 mm
Cable Types	Indoor Riser
Connector Types	SC/UPC, SC/APC, LC/UPC, LC/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

P A A - - - - - XXXM or XXXF

1 2 3 4 5 6 7

1 Select Fiber Count
001 = Simplex
002 = Duplex

3 Select Boot Length
Y = Short boot
Z = Standard boot

6 Select Boot Length
Y = Short boot
Z = Standard boot or pigtail

2 Select Connector # 1
A = SC/UPC
C = SC/APC
E = LC/UPC
G = LC/APC

4 Select Jacket Size
B = 2 mm

7 Select Jacket Size*
B = 2 mm

5 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
* must match the # 4 option

