

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.657B 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 ST, SC, FC, LC (ask a Clearfield representative for other connector availability)

Investment

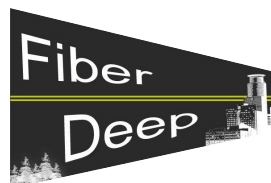
- Indoor Bend-Insensitive Fiber Jumper Cables offer an economical solution for deploying fiber in any optical network
- Environmentally stable, low-insertion loss, minimal back reflection
- All assemblies are 100% tested



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	SC/UPC, SC/APC, LC/UPC, LC/APC, FC/UPC, FC/APC, ST/UPC
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
ST	Ceramic	UPC	0.15 dB	0.20 dB	55.00 dB
SC	Ceramic	UPC	0.15 dB	0.20 dB	55.00 dB
FC	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
FC	Ceramic	APC	0.15 dB	0.20 dB	65.00 dB
LC	Ceramic	APC	0.15 dB	0.20 dB	65.00 dB

Pre-Configured Part Numbers

Part Number	Description
PX1-001-CZD-CZD-11 XXXX	Patchcord, Indoor/Outdoor Fiber, SC/APC to SC/APC, Standard Boots, Simplex SM Riser Rated Bend Insensitive 3MM White Jacket
PX1-001-AZD-AZD-04 XXXX	Patchcord, Indoor/Outdoor Fiber, SC/UPC to SC/UPC, Standard Boots, Simplex SM Riser Rated Bend Insensitive 3MM Black Jacket
PEA-001-AZX-CZX-01 XXXX	Patchcord, Indoor/Outdoor Fiber, SC/UPC to SC/APC, Standard Boots, Simplex SM Bend Insensitive OSP Rated 4.8MM White Jacket
PEA-001-AZX-AZX-02 XXXX	Patchcord, Indoor/Outdoor Fiber, SC/UPC to SC/UPC, Standard Boots, Simplex SM Bend Insensitive OSP Rated 4.8MM Black Jacket