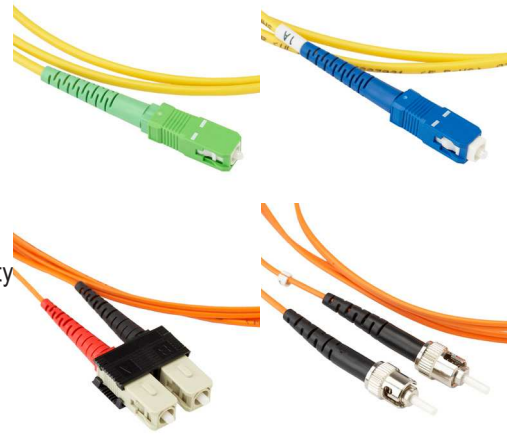
Fiber Cable Assemblies

Indoor 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

Clearfield® offers singlemode and multimode, simplex and duplex Indoor Fiber Jumper Cables manufactured to tight internal specifications that exceed industry-accepted standards. Fiber assemblies 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 and multimode connectors
- Singlemode and multimode and hybrid cables available

Protection

- Each fiber is individually covered with an outer jacket for added protection
- Wide variety of jacket sizes for all applications, 3 mm, 2 mm, 1.6 mm, 1.2 mm, 900 µm
- Riser and Plenum rated 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 ST, SC, FC, LC (ask a Clearfield representative for other connector availability)

Investment

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

Technical Specifications

Indoor Fiber Jumper Cables	
Core Size and Type	Singlemode and multimode
Fiber Count	Simplex (1-fiber) and duplex (2-fiber)
Jacket O.D.	900 µm, 1.6 mm, 2.0 mm, 3.0 mm
Cable Types	Indoor Riser, Indoor Plenum
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)

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Indoor Fiber Jumper Cables

CLEARFIELD

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

Minimum Performance Specifications for Terminated Multimode Connectors

Connector Type	Ferrule Material	Polish Type	Ins. Loss, Typical	Max. Ins. Loss
ST	Ceramic	PC	0.25 dB	≤ 0.50 dB
SC	Ceramic	PC	0.25 dB	≤ 0.50 dB
FC	Ceramic	PC	0.25 dB	≤ 0.50 dB
LC	Ceramic	PC	0.25 dB	≤ 0.50 dB

Configured Part Numbers

P ___ ___ - ___ ___ ___ - ___ ___ ___ - ___ ___ ___ **XXXM or XXXF**

1 2 3 4 5 6 7 8 9

1 Select Cable Construction

A = Indoor, riser rated
C = Indoor, plenum
F = 900 µm tight buffer

2 Select Mode / Type

1 = Singlemode
3 = Multimode (62.5)
5 = Multimode (50) – non-ribbon
7 = Multimode (50) laser opt– non-ribbon OM
9 = Multimode (50) OM4

3 Select Fiber Count

001 = Simplex
002 = Duplex

4 Select Connector # 2

A = SC/UPC
B = SC/UPC DX
C = SC/APC
D = SC/APC DX
E = LC/UPC
F = LC/UPC DX
G = LC/APC
H = LC/APC DX
J = FC/UPC
K = FC/APC
M = ST/UPC

5 Select Boot

Y = Short
Z = Standard

6 Select Jacket Size

A = 900 µm
B = 2 mm
D = 3 mm
E = 1.6 mm

7 Select Connector # 1

A = SC/UPC
B = SC/UPC DX
C = SC/APC
D = SC/APC DX
E = LC /UPC
F = LC/UPC DX
G = LC/APC
H = LC/APC DX
J = FC/UPC
K = FC/APC
M = ST/UPC
Z = Pigtail

8 Select Boot

Y = Short
Z = Standard

9 Select Jacket Size

A = 900 µm
B = 2 mm
(must match the # 6 option)
D = 3 mm
E = 1.6 mm

XXXM or XXXF

XXXM = Length in meters
XXXF = Length in feet

Fiber Deep