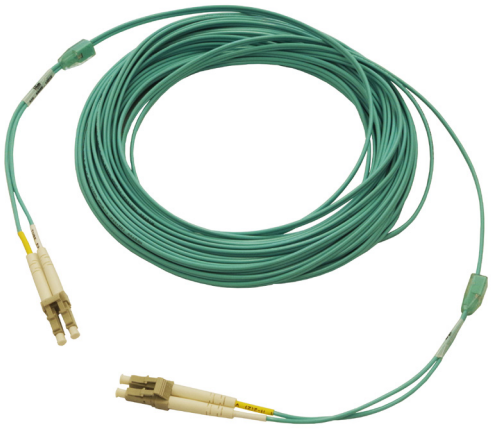
Fiber Cable Assemblies

Indoor Traceable Fiber Jumper Cables

Application

The Indoor Traceable Fiber Jumper Cable is an effective solution for eliminating interconnect errors in dense interconnect environments. The traceable light identification will eliminate accidentally unplugging or moving the wrong jumper. Whether it is coming from the back of the equipment rack to the front or from one cross-connect panel to another, the Traceable Jumper Cable uses a positive light indication to quickly identify the opposite end of the assembly. The added value of eliminating the outages, due to incorrectly identifying jumpers and the time saved being able to quickly find the correct jumper, is important in today's demanding market.



Description

The traceability of the jumper gives a value-add functionality for simple fiber patch cord jumpers. Having the ability to trace the other end of the assembly with an easy to find highly visible red LED eliminates the chance of accidentally unplugging or moving the wrong jumper. This is a must in high density environments like central offices, CATV head ends, and cellular sites, anywhere cable congestion can create a challenge when identifying and tracing patch cords.

Features and Benefits

Integrity

- Terminations are designed to Telcordia GR-326
- Insertion loss and back reflection meets or exceeds industry standards
- Supports industry standard Singlemode and Multimode connectors
- Available for Singlemode and Multimode Simplex and Duplex Cables

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
- Riser and plenum rated jacket options available
- Individually packaged and labeled

Access

- Compact jacket design minimalizes cable pile up
- Industry standard terminations include SC/UPC, SC/APC, LC/UPC, LC/APC
- High intensity red LED light source used for identification

Investment

- Offers a sound solution for reducing unexpected outages due to human error and reduces labor costs by quickly identifying the correct assembly right away the first time
- Environmentally stable, low-insertion loss, minimal back reflection
- All assemblies are tested 100%

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CLEARFIELD

Technical Specifications

Indoor Traceable Fiber Jumper Cables	
Core Size	Singlemode, Multimode
Fiber Count	Simplex (1-fiber) and Duplex (2-fiber)
Jacket Outer Diameter	2.0 mm, 3.0 mm
Cable Types	Indoor Riser, Indoor Plenum
Connector Types	SC/UPC, SC/APC, LC/UPC, LC/APC
Operating Temperature	-20°C to 70°C (-4°F to 158°F)

Minimum Performance Specifications for Terminated Singlemode Traceable Connectors

Connector Type	Ferrule Material	Polish Type	Ins. Loss, Typical	Max. Ins. Loss	Min. Ret. Loss
SC	Ceramic	UPC	0.20 dB	0.30 dB	55.00 dB
LC	Ceramic	UPC	0.20 dB	0.30 dB	55.00 dB
SC	Ceramic	APC	0.20 dB	0.30 dB	65.00 dB
LC	Ceramic	APC	0.20 dB	0.30 dB	65.00 dB

Minimum Performance Specifications for Terminated Multimode Traceable Connectors

Connector Type	Ferrule Material	Polish Type	Ins. Loss, Typical	Max. Ins. Loss
SC	Ceramic	UPC	0.25 dB	0.50 dB
LC	Ceramic	UPC	0.25 dB	0.50 dB

Configured Part Numbers

P 2 ___ - ___ ___ ___ - ___ Z ___ - ___ Z ___ XXXM, XXXF or XXXI

1 | 2 | 3 | 4 | 5 | 6

1 Select Mode and Type

1 = Singlemode
A = BI Singlemode
3 = 62.5 um OM1
5 = 50 um LO OM2
7 = 50 um LO OM3
9 = 50 um OM4

2 Select Fiber Count

001 = 1
002 = 2

3 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

4 Select Upjacketing

B = 2 mm
D = 3 mm

5 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

6 Select Upjacketing

B = 2 mm
D = 3 mm

XXXM, XXXF or XXXI

XXXM = Length in meters
XXXF = Length in feet
XXXI = Length in inches