FieldSmart Fiber Cable Assemblies

Cable Assemblies: Bend Insensitive Fiber Jumpers

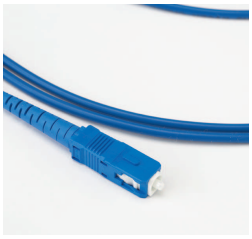
Application

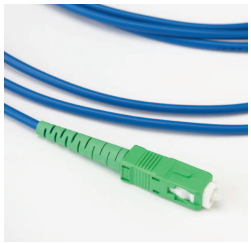
A fiber jumper, sometimes called a fiber patch cord is a length of fiber cabling fitted with connectors at each end. They are used to connect end devices or network hardware.

Description

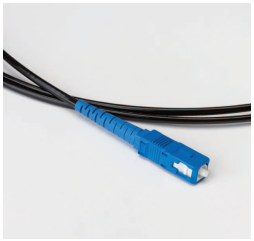
Fiber assemblies are used in a variety of carrier networks and private network environments. The key to manufacturing high-performance fiber assemblies is controlling polish radius, apex offset and fiber undercut. Clearfield monitors its automated polishing process to exceed industry specifications for insertion and return loss, ensuring a top-quality product.

Indoor Riser Rated Bend Insensitive Fiber





Ruggedized Outdoor Bend Insensitive Fiber



Features & Benefits

- Standard G.657.A bend insensitive glass
- Ultra Physical Contact (UPC) and / or Angled Physical Contact (APC) options available on SC, LC and FC connectors
- A variety of connector styles available, including SC, LC, ST and FC
- Insertion and return loss measurements provided with each assembly
- Riser and OSP rated options available
- Ruggedized OSP rated patch cords remain flexible and durable whether the temperature outside is -55 C to 85 C. This exceeds Telcordia standards.
- All assemblies built with high-quality singlemode fiber optic cable and are built to exceed GR-326 for insertion and return loss.
- Each singlemode termination is shipped with testing documentation for I.L./R.L.

Specifications - Multimode

Minimum Performance Specifications for Terminated **MULTIMODE** Connectors				
Connector Type	Ferrule Material	Polish Type	Ins. Loss, Typical (dB)	Max. Ins. Loss (dB)
ST	Ceramic	PC	0.25	≤0.50
SC	Ceramic	PC	0.25	≤0.50
FC	Ceramic	PC	0.25	≤0.50
LC	Ceramic	PC	0.25	≤0.50
ST	Stainless Steel	Flat	0.40	≤0.75

Specifications - Singlemode

Minimum Performance Specifications for Terminated **SINGLEMODE** Connectors					
Connector Type	Ferrule Material	Polish Type	Ins. Loss, Typical (dB)	Max. Ins. Loss (dB)	Min. Ret. Loss (dB)
ST	Ceramic	UPC	0.15	0.30	57.00
SC	Ceramic	UPC	0.15	0.30	57.00
FC	Ceramic	UPC	0.15	0.30	57.00
LC	Ceramic	UPC	0.15	0.30	55.00
SC	Ceramic	APC	0.20	0.30	70.00
FC	Ceramic	APC	0.20	0.30	70.00
LC	Ceramic	APC	0.20	0.30	70.00

Ordering Guide

P___ A - 0 0 1 - ___ ___ ___ - ___ ___ ___ XXXM or XXXF

[1] [2] [3] [4] [5] [6] [7]

[1] Select cable construction
A = Indoor, Riser Rated
E = OSP, Non-Rated

[2] Select Connector # 1
A = SC UPC
J = FC UPC
C = SC APC
K = FC APC
E = LC UPC
M = ST UPC
G = LC APC

[3] Select boot length
Y = Short boot
Z = Standard boot

[4] Select jacket size
B = 2 mm
D = 3 mm

[5] Select Connector # 2
A = SC UPC
J = FC UPC
C = SC APC
K = FC APC
E = LC UPC
M = ST UPC
G = LC APC
Z = Pigtail

[6] Select boot length
Y = Short boot
Z = Standard boot or pigtail

[7] Select jacket size (must match the # 4 option)
B = 2 mm
D = 3 mm

XXXM or XXXF
XXXF = Length of assembly in feet
XXXM = Length of assembly in meters

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