

Fiber Cable Assemblies

Outdoor Ruggedized Fiber Jumper Cables



Application

These jumpers are ideal when splicing FTTH drops in the ONT/NID. Indoor cordage stiffens and retains cable memory in cold weather. These jumpers remain flexible even in extreme conditions. These assemblies use bend-insensitive fiber to help eliminate bend-radius issues inside the NID. These patch cords also work well in outside plant cross-connect cabinets.

Description

Clearfield® Outdoor Ruggedized Fiber Jumper Cables can be ordered in any industry standard connector type. Any length in feet or meters is available.

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 bend-insensitive ITU standard G.657.A glass fiber

Protection

- Uses Ruggedized OSP rated 2 mm black jacketed cable
- Patch cords remain flexible and durable in extreme temperatures of -55°C to 85°C (-67°F to 185°F)

Access

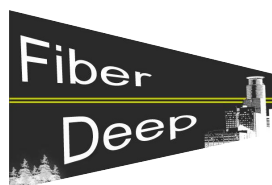
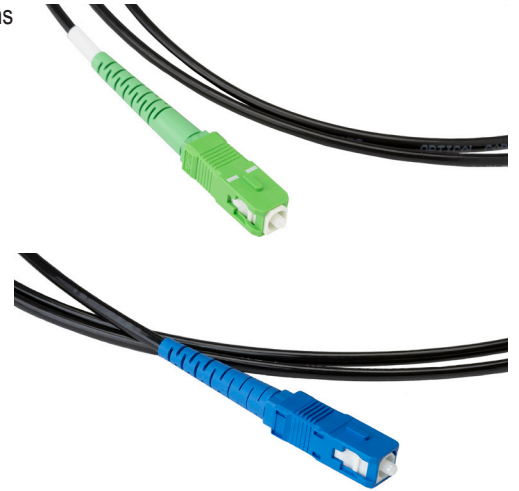
- Compact jacket design minimizes cable pile up
- Industry standard terminations include ST, SC, FC, LC (ask a Clearfield representative for other available connectors)

Investment

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

Recommendation

Clearfield recommends the use of Ruggedized Outside Plant Jumpers when splicing in the NID or ONT. We also suggest two meter jumpers for use in FieldSmart® cabinet applications. Clearfield stocks common length SC/APC Ruggedized Jumpers for customer convenience. For non-standard lengths, lead times will apply.



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Technical Specifications

Outdoor Ruggedized Fiber Jumper Cables	
Core Size and Type	Singlemode (G.657.A1)
Fiber Count	Simplex (1-fiber)
Jacket O.D.	2.0 mm
Cable Types	Outdoor - Ruggedized Polyurethane
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

Configured Part Numbers

P E A - 0 0 1 - 1 Z 2 - 3 Z 4 XXXM or XXXF

1 Select Connector # 1

A = SC/UPC J = FC/UPC
 C = SC/APC K = FC/APC
 E = LC/UPC M = ST/UPC
 G = LC/APC

2 Select Jacket Size *

B = 2 mm

3 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

4 Select Jacket Size *

B = 2 mm
 Z = Pigtail

XXXM or XXXF

XXXM = Length in meters
 XXXF = Length in feet

* Options 2 and 4 must be the same unless the assembly is a pigtail.
 NOTE: OSP, ruggedized patchcords and pigtails come standard with bend insensitive fiber.

