

# FieldShield®

## SC and LC Pushable Assemblies

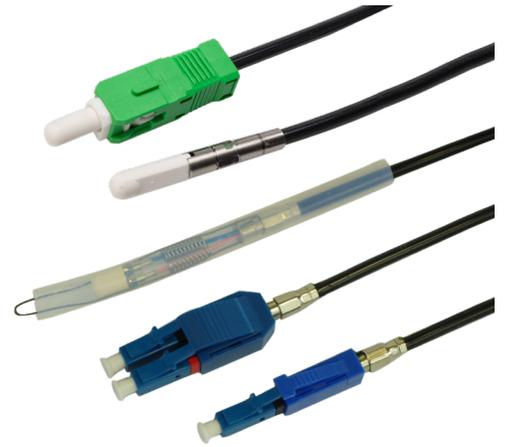


### Application

Designed to simplify the deployment of fiber where one or two fibers are required, FieldShield SC and LC Pushable Assemblies provide a tech-friendly field assembled connector that snaps together in seconds without jeopardizing fiber protection or optical reliability. FieldShield Pushable Assemblies greatly reduce installation costs for Fiber to the Home (FTTH) installations, business class services, cell backhaul or any other small count delivery application.

### Description

FieldShield Pushable Assemblies are factory terminated and polished SC and LC connectors designed to be terminated on simplex and duplex FieldShield Pushable Optical Fiber Assemblies. After being pushed or pulled through FieldShield Microduct, the smooth wall protective sleeve is easily removed and an outer housing is snapped into place. This creates an industry standard connector without mechanical or fusion splicing. All SC and LC FieldShield Pushable Assemblies styles can be pushed/pulled in all FieldShield Microducts.



### Features and Benefits

#### Integrity

- FieldShield fiber cable designed, tested and certified to GR-20
- Terminations are designed, tested and certified to Telcordia GR-326 and GR-1435
- Available in singlemode SC/UPC, SC/APC, Simplex and Duplex LC/UPC, Simplex and Duplex LC/APC

#### Protection

- Smooth wall protective sleeve is easily removed and an outer housing is snapped into place
- Option for FlexConnector in YOURx applications

#### Access

- Zirconia ceramic ferrule measuring 1.25 mm O.D.
- Tool-less installation

#### Investment

- Tech-friendly pre-terminated pushable connectors rapidly decrease deployment times and reduce installation costs by eliminating in-field splicing
- Pushed directly into a Clearview® Cassette, FieldShield is optimized for placement alongside Clearfield's FieldSmart® fiber management platforms

### Packaging



Lengths up to 32'  
(9.75 m)



Lengths from 32' to 350'  
(9.75 m to 106.68 m)



Lengths greater than 350' (106.68 m)

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### Technical Specifications

#### Minimum Performance Specifications for Terminated Singlemode Connectors

Connector Type	Ferrule Material	Polish Type	Ins. Loss, Typical	Max. Ins. Loss	Min. Ret. Loss
SC or LC	Ceramic	UPC	0.15 dB	0.20 dB	55.00 dB
SC or LC	Ceramic	APC	0.15 dB	0.20 dB	65.00 dB

### Pre-Configured Part Numbers

Part Number	Connector Type	Description
FS-AA1-001-AZZ-BZZ XXXXF	SC	FieldShield pushable patch cord, singlemode, 1-fiber (250 μm), 3 mm jacket standard SC/UPC to pushable SC/UPC, XXXX feet
FS-AA1-001-CZZ-DZZ XXXXF	SC	FieldShield pushable patch cord, singlemode, 1-fiber (250 μm), 3 mm jacket standard SC/APC to pushable SC/APC, XXXX feet
FS-AA1-002-1ZZ-3ZZ XXXXF	LC	FieldShield pushable patch cord, singlemode, 2-fiber (250 μm), 3 mm jacket duplex LC/UPC to pushable duplex LC/UPC, XXXX feet
FS-AA1-002-2ZZ-4ZZ XXXXF	LC	FieldShield pushable patch cord, singlemode, 2-fiber (250 μm), 3 mm jacket duplex LC/APC to pushable duplex LC/APC, XXXX feet

### Configured Part Numbers

*Disclaimer/Note: Paper configurator shown is for reference only and should not be used to configure a saleable product configuration. All options shown on paper configurators may not be available or compatible with other options listed. Please contact your Clearfield representative for assistance in product configurations.*

**FS - AA**    **XXXXF**

1    2    3    4    5    6    7    8

**1 Select Mode/Type**

1 = Singlemode (250 μm)  
2 = Singlemode (900 μm)

**2 Select Fiber Count**

001 = Simplex  
002 = Duplex  
006 = 6  
012 = 12  
024 = 24  
048 = 48

**3 Select Connector #1**

1 = Pushable LC/UPC  
2 = Pushable LC/APC  
3 = Dual LC/UPC unibody  
4 = Dual LC/APC unibody  
5 = MPO (male)  
6 = MPO (female)  
B = Pushable SC/UPC  
D = Pushable SC/APC  
A = SC/UPC  
C = SC/APC  
E = LC/UPC  
G = LC/APC  
N = Pushable MPO male  
P = Pushable MPO female  
W = HFOC SC/APC

**4 Select Breakout #1**

B = 1 meter  
C = Half meter  
Q = YOURx  
Z = N/A

**5 Select Upjacketing #1**

A = 900 μm  
B = 2 mm (OSP)  
Z = N/A

**6 Select Connector #2**

1 = Pushable LC/UPC  
2 = Pushable LC/APC  
3 = Dual LC/UPC unibody  
4 = Dual LC/APC unibody  
5 = MPO (Male)  
6 = MPO (Female)  
B = Pushable SC/UPC  
D = Pushable SC/APC  
A = SC/UPC  
C = SC/APC  
E = LC/UPC  
G = LC/APC  
N = Pushable MPO male  
P = Pushable MPO female  
W = HFOC SC/APC  
Z = None

**7 Select Breakout #2**

B = 1 meter  
C = Half meter  
P = Pulling eye  
Q = YOURx  
Z = N/A

**8 Select Upjacketing #2**

A = 900 μm  
B = 2 mm (OSP)  
Z = N/A

**XXXXF**

XXXXF = Length in feet

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### Accessories

#### Field Installable FlexConnector (FIFC)

- Once the cable has been prepped with the FlexConnector, the 3 mm cable is sandwiched between the two retainer clips. The FlexConnector is then pushed and snapped together with the retainer clips, pinching the grommet seal for a water-tight assembly.



### Field Installable FlexConnector Pre-Configured Part Numbers

Part Number	Description
FS-FIFC-103-6PAK	Field installable FlexConnector, 10 mm Port, 3 mm Cable, Black Grommet, 6 Pack
FS-FIFC-143-6PAK	Field installable FlexConnector, 14 mm Port, 3 mm Cable, Gray Grommet, 6 Pack
FS-FIFC-144-6PAK	Field installable FlexConnector, 14 mm Port, 4 mm Cable, Red Grommet, 6 Pack

### Description

For field installed applications, these three kits allow a water-tight transition from 3 mm and 4 mm cable, into the FlexPort. The kits include enough parts for six tool-less installations.