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

- Terminations are designed and tested to Telcordia GR-326
- 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

F S - A A ___ - ___ ___ ___ - ___ ___ ___ - ___ ___ ___ XXXXM or 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
J = FC/UPC
K = FC/APC
M = ST/UPC
N = Pushable MPO male
P = Pushable MPO female
W = HFOC SC/APC

4 Select Breakout #1
B = 1 meter
C = Half meter
Q = YOURx
U = Hardened connector
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
J = FC/UPC
K = FC/APC
M = ST/UPC
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
U = Hardened connector
Z = N/A

8 Select Upjacketing #2
A = 900 µm
B = 2 mm (OSP)
Z = N/A

XXXM or XXXF
XXXXM = Length in meters
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.