

FieldShield®

MPO Pushable Assemblies



Application

Designed to simplify the deployment of fiber where multiple fibers are required, FieldShield MPO 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 installations, business class services, cell backhaul or any other small count delivery application.

Description

FieldShield Pushable Assemblies are factory terminated and polished. MPO Assemblies are designed to be terminated on 6, 12 or 24-fiber FieldShield Pushable Optical Fiber Assemblies. After being pushed or pulled through FieldShield Microduct, the black protective sleeve is easily removed and the green MPO outer housing is snapped into place creating an industry standard connector without mechanical or fusion splicing. FieldShield Pushable MPO Assemblies can be pulled/pushed in 14/10 mm FieldShield Microduct.



MPO Pushable Fiber in duct

Features and Benefits

Integrity

- Singlemode terminations are designed, tested and certified to Telcordia GR-326
- Available in singlemode 4, 6, 8, 12 and 24-fiber terminations
- FieldShield MPO Pushable Assemblies use high-quality components that keep the connector insertion loss to a maximum of 0.35 dB (1.00 dB 24 fiber)

Protection

- Smooth wall protective sleeve is easily removed and an outer housing is snapped into place

Access

- Thermoplastic high-precision ferrules
- Tool-less installation

Investment

- Tech-friendly, pre-terminated pushable assemblies decrease deployment times and reduce installation costs by eliminating in-field splicing
- Pushed directly up to a Clearview® Cassette, FieldShield is optimized for placement alongside FieldSmart® fiber management platforms

Technical Specifications

FieldShield MPO Pushable Assemblies	
Connector Type	MPO
Ferrule Material	Thermoplastic
Polish Type	APC
Insertion Loss Typical	0.25 dB (12 fiber) 0.75 dB (24 fiber)
Maximum Insertion Loss	0.35 dB (12 fiber) 1.00 dB (24 fiber)
Minimum Return Loss	55.00 dB (12 and 24 fiber)

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Pre-Configured Part Numbers

Part Number	Description
FS-AA1-006-PZZ-ZZZ XXXXF	FieldShield pushable pigtail, singlemode, 6-fiber (250 μm) 3 mm jacket 1 x 6 pushable MPO female to pigtail, XXXX feet
FS-AA1-008-PZZ-6ZZ XXXXF	FieldShield pushable patch cord, singlemode, 8-fiber (250 μm), 3 mm jacket 1 x 8 pushable MPO female to standard 1 x 8 MPO female, XXXX feet
FS-AA1-012-PQZ-ZZZ XXXXF	FieldShield Fiber Pigtail, Singlemode, 12 Fiber, 1 x 12 Pushable MPO Female With YOURx Connector Installed to Pigtail
FS-AA1-012-PQZ-PZZ XXXXF	FieldShield Fiber Patchcord, Singlemode, 12 Fiber, 1 x 12 Pushable MPO Female With YOURx Connector Installed to Pushable MPO Female
FS-AA1-012-PZZ-ZZZ XXXXF	FieldShield pushable pigtail, singlemode, 12-fiber (250 μm), 3 mm jacket 1 x 12 pushable MPO female to pigtail, XXXX feet

Configured Part Numbers

FS - AA 1 - _____ **-** _____ **-** _____ **-** _____ **XXXXM or XXXXF**

1
2
3
4
5
6
7

1 Select Fiber Count

006 = 6
012 = 12
024 = 24
048 = 48

3 Select Breakout #1

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

6 Select Breakout #2

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

2 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
Q = MPO (24 fiber male)
QS = MPO Swap-12 (24 fiber male)
R = MPO (24 fiber female)
RS = MPO Swap-12 (24 fiber female)
S = Pushable MPO (24 fiber male)
SS = Pushable MPO Swap-12 (24 fiber male)
T = Pushable MPO (24 fiber female)
TS = Pushable MPO Swap-12 (24 fiber female)
W = HFOC SC/APC

4 Select Upjacketing #1

B = 2 mm (OSP)
D = 3 mm
Z = N/A

7 Select Upjacketing #2

B = 2 mm (OSP)
D = 3 mm
Z = N/A

5 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
Q = MPO (24 fiber male)
R = MPO (24 fiber female)
S = Pushable MPO (24 fiber male)
T = Pushable MPO (24 fiber female)
W = HFOC SC/APC
Z = None

XXXXM or XXXF

XXXXM = Length in meters
XXXXF = Length in feet