

FieldShield® SmarTerminal

Hardened Pushable Connectors



Application

After being pushed or pulled through the FieldShield Microduct, the unassembled FieldShield Pushable Connector is pushed through the hardened pushable connector housings. The outer housing of the pushable connector is assembled by the technician in the field, creating an industry standard connector without mechanical or fusion splicing. It is then plugged into the FieldShield SmarTerminal or Hardened Pushable Connector Bulkhead Adapter.

Description

The FieldShield Hardened Pushable Connector is a field-installed, tool-less housing that slips over the FieldShield Optical Connector on a FieldShield assembly to provide a water-tight seal when mated to each port of the FieldShield Multiport SmarTerminal. The inner housing and two-grommet system provide the weather tight seal and lock the connection into the SmarTerminal with a bayonet push-and-twist locking mechanism. The outer collar seals and locks the FieldShield cable providing the pull strength required for any outside plant environment. When handling the SmarTerminal the FieldShield ruggedized housing at the end of the collar, protects the reliability of existing services by providing bend-limiting strain relief.



Features and Benefits

Integrity

- Optimized for use with Pushable Fiber and FieldShield Microduct
- Accepts FieldShield SC, LC and dual LC connectors
- 100% performance tested for insertion loss, return loss and final mechanical inspect

Protection

- Black UV resistant thermoplastic design to resist corrosion
- Hardened Pushable Connectors provide bend-limiting, strain relief protection for FieldShield pushable drop cables and feeder assemblies
- Environmentally sealed housing providing maximum reliability and durability in the harshest OSP environments

Access

- Compact hardened sealed design allows placement above or below grade
- Quarter-turn bayonet-style locking mechanism for quick field installation
- Red colored O-rings for quick visual inspection

Investment

- FieldShield pushable feed and drop cables reduce installation time and labor costs by removing expensive splicing labor

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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. Ref. Loss
SC	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	0.18 dB	0.20 dB	65.00 dB
LC	Ceramic	APC	0.18 dB	0.20 dB	65.00 dB

Configured Part Numbers

F S - A A - - **Z** - **Z** **XXXM or XXXF**

1 **2** **3** **4** **5** **6**

1 Select Mode

1 = Singlemode 3 mm (250 μm)
2 = Singlemode 3 mm (900 μm)

2 Select Fiber Count

001 = Simplex (SC &/or LC)
002 = Duplex (dual LC)

3 Select Connector #1

1 = Pushable LC/UPC duplex
2 = Pushable LC/APC duplex
3 = LC/UPC duplex
4 = LC/APC duplex
B = Pushable SC/UPC
D = Pushable SC/APC
A = SC/UPC
C = SC/APC

4 Select Hardened Connector #1

U = Hardened connector
Z = No hardened connector

5 Select Connector #2

1 = Pushable LC/UPC (simplex &/or duplex)
2 = Pushable LC/APC (simplex &/or duplex)
3 = LC/UPC duplex
4 = LC/APC duplex
B = Pushable SC/UPC
D = Pushable SC/APC
A = SC/UPC
C = SC/APC
Z = Pigtail

6 Select Hardened Connector #2

U = Hardened connector
Z = No hardened connector

XXXM or XXXF

XXXM = Length in meters
XXXF = Length in feet