FieldShield® D-ROP



FieldShield

FlexConnector

Application

Building upon the restoration promise of FieldShield Pushable Fiber, FieldShield D-ROP is a pre-connectorized drop cable delivered to market pre-placed in a 7 mm microduct. The FieldShield FlexConnector snaps into the FieldShield FlexPort, providing an air-tight, water-tight connection between the YOURx-TAP and the YOURx-Terminal.

Installed as a single-pass deployment, FieldShield D-ROP provides ease of restoration. In the event of a future fiber cut, a field technician easily identifies the cut area, and utilizes a simple coupler and a FieldShield Fiber Assembly to restore service.

Description

D-ROP cable presents the same footprint as a flat drop cable with the added advantage of being restorable. As with all FieldShield ducted solutions, fiber cuts are located and microduct is repaired with repair kit. Blunt fiber is then pulled and terminated with a splice-on connector, minimizing costs and time to restore the service outage. The pre-installed FlexConnector is plugged directly into the FlexPort opening of the YOURx-Terminal or YOURx-TAP, providing a completely protected pathway from the access point directly to the premise, business or antenna with the option for restoration after accidental fiber cut.

D-ROP does not have the slack storage challenges that a flat drop presents because the duct slack can be peeled or removed leaving only the fiber assembly.

FlexConnector Options

- Factory Installed: the connector is shipped permanently installed on the preconnectorized cable.
- Field Installable: the connector is shipped separately to be installed in the field. This is an ideal solution for eliminating excess slack storage when standard cable lengths are used for custom drop distances. The FlexConnector can be field installed on the preconnectorized cable (full plug-and-play) or blunt cable followed by a splice-on connector.



Integrity

- · Duct is compliant to Telcordia GR-3155
- · Available with singlemode fiber

Protection

- FieldShield FlexConnector provides an air-tight, water-tight connection
- FieldShield Direct Bury Microduct has high tensile strength and crush resistance that withstands all types of implementations including open trenching, vibratory plowing and directional boring
- · Duct is constructed from HDPE to prevent degradation

Access

- Available pre-terminated with SC and LC or bulk for field installation
- Option for splice-on connector (utilizing fiber matrix 850 μm)
- · Includes bend-insensitive fiber
- The FlexConnector installed onto microduct pushes directly into a YOURx-Terminal or YOURx-TAP
- · Integrated tone wire simplifies ground locating in direct bury applications
- · Industry standard orange provides high visibility for direct bury applications
- · Available for aerial applications

Investment

- Available in bulk or pre-connectorized for a labor-lite, plug-and-play installation
- FieldShield FlexConnector available in 4 packs for field installations









Bluk D-ROP Spool

1-800-422-2537



Technical Specifications

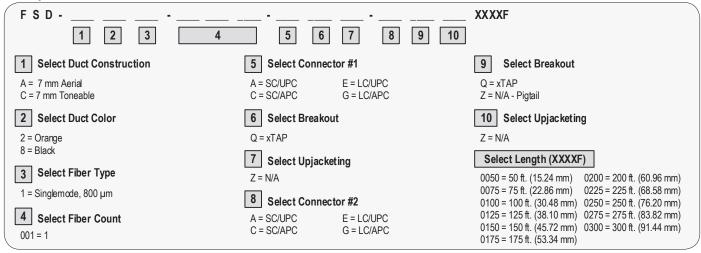
FieldShield D-ROP	
Outside Diameter	0.276" (7.01 mm)
Inside Diameter	0.146" (3.71 mm)
Material	HDPE
Connector Style	SC and LC
Operating Temperature	-40°F to 176°F (-40°C to 80°C)
Stringing Tension	To local regulations. Recommended not to exceed 0.2 KN
Min. Bend Radius	4.72" (119.89 mm)
Rated Cable Load	270 lbf (1.2 KN)
Duct Color	Orange (Direct Bury with tone) or Black (Aerial)
Tone Wire	Copper coated steel wire (Direct Bury only)
Markings	Part number, lot number, footage markers every foot
Breakout Length	12 inches (304.80 mm)

Accessories

- Field Installable FlexConnector (FSD-FIFC-4PAK)
 - Installer cuts duct to desired length in the field using a rotary cutter, then snaps on the FlexConnector. After fusing on the standard connector and passing through the FlexPort, the outer housing is attached and connected to the adapter.
- D-ROP Opener: splitter tool with 7 mm OD (FS-DUCT-OPENER)
- D-ROP Deadend (FS-DEADEND-LG7)

Configured Part Numbers

Factory Installed Connectors



Pre-Configured Part Numbers

Field-Installed Connectors

Part Number	Description
FS-MED-001-T-207-3280F	Bulk D-ROP, direct bury, orange, 7 mm O.D., 3280 foot (999.75 m) spool
FS-MEA-001-NT-807-3280F	Bulk D-ROP, aerial, black, 7 mm O.D., 3280 foot (999.75 m) spool
FSD-FIFC-4PAK	Field installable FlexConnector in 4 pack
FSD-FIFC-SCA-4PAK	Field installable FlexConnector with splice-on SC/APC connectors, 4 pack