

FieldShield®

FLEXdrop Deploy Reel



Application

Due to the high variability of MDU architectures, extensive engineering has been required to ensure proper cable lengths for Fiber-to-the-Premise deployments. The 4.5" (114.30 mm) FieldShield FLEXdrop Deploy Reel minimizes pre-engineering because it allows FLEXdrop to be pulled from the reel directly to the access point. Once the pushable connector has reached its destination, the connector assembly is completed with the supplied connector housings and the connector is mated to the adapter. The remaining slack on the reel is pre-stored with no further slack management required. The terminated end on the reel is pre-tested, cleaned and mated in a Clearfield® factory environment, leaving the technician to simply mate the patch cord to the adapter on the reel. The small form factor of the cable assembly and Deploy Reel allows the FLEXdrop to be pulled and slack stored from the customer demarcation point. As an ISP Cable, FLEXdrop reduces pre-engineering and on-site installation time for MDU and riser deployments.



*FLEXdrop Deploy Reel
(Shown Without Extension Flanges)*

Description

The FieldShield FLEXdrop Deploy Reel is a 4.5" x 2.125" (114.30 mm x 54.02 mm) spool (without extension flanges) designed to hold up to 100 feet (30.48 mm) of FieldShield FLEXdrop. With extension flanges, the reel is 5.8" wide (147.30 mm). The FLEXdrop 3mm fiber makes slack storage minimal and easy to accommodate, while the exceptional pull strength of FLEXdrop makes it craft-friendly and easy for the technician to handle without fear of fiber damage.

Features and Benefits

Integrity

- Terminations are designed and tested to Telcordia GR-326
- Supports singlemode SC connectors

Protection

- Deploying FLEXdrop with a FieldShield FLEXdrop Deploy Reel allows the installer to payout the exact amount of cable required and leave the remaining slack safely stored on the reel

Access

- Straight forward, simple design means installation crews spend less time figuring out how to deploy
- Available in 50, 75 and 100 foot lengths without extension flanges, and 100, 150 and 200 with extension flanges
- Can be reverse spooled for right side exit of TAP Box

Investment

- Pre-terminated cable spools reduce upfront deployment costs by simplifying site survey inspections, reducing labor hours and streamlining cable deployment for SFU and MDU deployments

FieldShield®

FLEXdrop Deploy Reel



Technical Specifications

FieldShield FLEXdrop Deploy Reel	
Dimensions	5.8" W x 2.125" H (147.30 mm x 54.02 mm)
Material	Black Thermoplastic
Storage Temperature	-40°F to 150°F (-40°C to 65°C)
Pullable Connectors	FieldShield® SC/APC and SC/UPC
Standard Connectors	SC/APC, SC/UPC
Fiber	FieldShield FLEXdrop 3mm, black and white
Cable Length	50, 75 and 100 foot lengths (15.24 m, 22.86 m and 30.48 m)

Configured Part Numbers

FDR - 1FA - ZZ

1
2
3

1 Select Bulkhead Connector

A = SC/UPC
C = SC/APC

2 Select Pushable Connector

B = Pushable SC/UPC
D = Pushable SC/APC

3 Select Cable Length

2 = 50 feet (15.24 m)
3 = 75 feet (22.86 m)
4 = 100 feet (30.48 m)

YOURx-TAP

Description

Slack storage of excess fiber has always been an issue within network design and deployment. The YOURx-TAP, with the smallest demarcation footprint in the industry, provides the ability to store up to 100 feet (30.48 m) of slack fiber storage using the FLEXdrop Deploy Reel with 3mm FieldShield FLEXdrop. This eliminates the need for having a large, bulky and unsightly box on the side of an SFU, MDU or business location, to store excess or unused fiber. Reel without extension flanges required for YOURx-TAP.



Pre-Configured Part Numbers

Part Number	Description
TAPX-ZAA-ZZZZ-ZZZZ	YOURx-TAP, No Spools Loaded, Includes 1 Blank and 1 Dual Entrance Plate, Clearfield Logo

FieldSmart Small Count Delivery (SCD) TAP Box

Description

The enclosure is compact with two bottom entry/exit points, making it ideal for a variety of applications. This enclosure can utilize standard reel in length of 50, 75 and 100 feet or the larger format FLEXdrop Deploy Reel with extension flanges for 100, 150 and 200 feet applications.



FieldShield®

FLEXdrop Deploy Reel With Extension Flanges



Technical Specifications

FieldShield FLEXdrop Deploy Reel	
Dimensions	5.8" W x 2.125" H (147.30 mm x 54.02 mm)
Material	Black Thermoplastic
Storage Temperature	-40°F to 150°F (-40°C to 65°C)
Pullable Connectors	FieldShield® SC/APC and SC/UPC
Standard Connectors	SC/APC, SC/UPC
Fiber	FieldShield FLEXdrop 3mm
Cable Length	100, 150 and 200' lengths (30.48 m, 45.72 m and 60.96 m)



Pre-Configured Part Numbers

Part Number	Description
FDR-C1FA-DZZ4-F	FLEXdrop Deploy Reel, with SC/APC Adapter, Simplex SC/APC to Pushable SC/APC, Singlemode, 100 Feet, 3 mm FLEXdrop Patchcord
FDR-C1FA-DZZ8-F	FLEXdrop Deploy Reel, with SC/APC Adapter, Simplex SC/APC to Pushable SC/APC, Singlemode, 200 Feet, 3 mm FLEXdrop Patchcord

Configured Part Numbers

FDR - 1 - Z Z

1
2
3
4
5
6

1 Select Front Connector

A = SC/UPC
C = SC/APC

2 Select Jacket Construction

F = FLEXdrop (Black)
FW = FLEXdrop (White)

3 Select Port Count

A = 1x1 in TAP

4 Select Rear Connector

A = SC/UPC
B = Pullable SC/UPC
C = SC/APC
D = Pullable SC/APC
Z = None

5 Select Length

2 = 50 ft.
3 = 75 ft.
4 = 100 ft.
6 = 150 ft.
8 = 200 ft.

6 Select Cable Deployment

(Left Empty) = Standard
-R = Opposite
-F = Flange
-RF = Opposite with Flange

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FLEXdrop Deploy Reel and SCD TAP Box



Technical Specifications

FieldSmart SCD Wall Box with Expansion Bracket	
Dimensions	12.17" H x 8.62" W x 3.91" D (309.12 mm x 218.95 mm x 99.31 mm)
Material	UV Stabilized, Flame Retardant Polymer (PVC)
Mounting Option	Two exterior mounting ears
Rating	NEMA 4, when combined with closure screws
Latching	Two snap locks to ensure lid seals to base with integrated seal
Security	Security screw with ability to secure padlock
Access	Two multi-purpose entry/exit strain reliefs. 5 lb. max. retention force with flat drop down to 3mm cable.
Storage	100 feet of 3 mm cable (from flat drop) and 200 feet of FLEXdrop on Deploy Reel



Pre-Configured Part Numbers

Part Number	Description
FDRB-CDF4-HHLB-F	Wall Box, plastic, for FieldShield FLEXdrop Deploy Reel, includes two couplers and nuts, with 100 ft. FLEXdrop Deploy Reel, 100 foot cable storage reel, SC/APC connectors and SC/APC adapter and L bracket
FDRB-CDF8-HHLB-F	Wall Box, plastic, for FieldShield FLEXdrop Deploy Reel, includes two couplers and nuts, with 200 ft. FLEXdrop Deploy Reel, 100 foot cable storage reel, SC/APC connectors and SC/APC adapter and L bracket

Configured Part Numbers

FDRB - 1 2 3 4 5 6 7 8 9

1 Select Inside Connector

A = SC/UPC
C = SC/APC
F = LC/UPC DX
H = LC/APC DX

2 Select Take-Off

A = SC/UPC
B = Pullable SC/UPC
C = SC/APC
D = Pullable SC/APC
Z = None

3 Select Jacket

S = StrongFiber (Black)
F = FLEXdrop (Black)
FW = FLEXdrop (White)
Z = None

4 Select Length

1 = 25 ft. 7 = 175 ft.
2 = 50 ft. 8 = 200 ft.
3 = 75 ft. 9 = 225 ft.
4 = 100 ft. A = 250 ft.
5 = 125 ft. B = 275 ft.
6 = 150 ft. C = 300 ft.

5 Select Left Exit/Entrance Port

G = Grommet
H = Strain Relief (Support FLATdrop, 10/6 Microduct, 3mm Jacket)
M = Adapter ¼"
S = Sealcon (½" - 12.7/10 Microduct)
Z = None

6 Select Right Exit/Entrance Port

G = Grommet
H = Strain Relief (Support FLATdrop, 10/6 Microduct, 3mm Jacket)
M = Adapter ¼"
S = Sealcon (½" - 12.7/10 Microduct)
Z = None

7 Select L-Bracket

A = SC/UPC
C = SC/APC
L = Empty
Z = None

8 Select Slack Spool

A = 1 x Storage Spool – 50 ft.
B = 1 x Storage Spool – 100 ft.
C = 2 x Storage Spool – 50 ft.
D = 2 x Storage Spool – 100 ft.
E = 1 x 50 ft. and 1 x 100 ft. Storage Spool
H = Mounting Plate
Z = None

9 Select Option

(Left empty) = Standard
-R = Opposite
-S = Splice Chip
-RS = Opposite with Splice Chip
-F = Flange
-FS = Flange with Splice Chip
-RF = Opposite with Flange
-RFS = Opposite with Flange and Splice Chip

FieldShield®

FLEXdrop Deploy Reel



- Designed for fast and easy installations
- Stores up to 100 feet of 3mm cable
- Mounts to backplane with deploy reel mounting pin
- Allows rotation when coiling slack from FieldShield drop options
 - FLATdrop (peel-and-play)
 - D-ROP (pre-connectorized CIC)
 - FLEXdrop



Deploy Reel Mounting Plate



FS-SLACK-REEL-50



FS-SLACK-REEL-100



FDRB-ZZZZ-HHLZ

Part Number	Description
FS-SLACK-REEL-50	Slack Reel With Mounting Pin, Stores 50 Ft. of 3mm Cable
FS-SLACK-REEL-100	Reel, Slack Reel for 100 Feet of 3MM Cable, Includes Pilot Holes for Mounting Pin, Includes Pin and Screws
FS-DRP-KIT	Mounting Plate for Deploy Reel with 2 Mounting Screws, Mounting Locations for SC Adapter and 2 Splice Sleeves (Not Included)
FS-DRP-KIT-SCAPC	Mounting Plate for Deploy Reel with 2 Mounting Screws, SC/APC Adapter Included and Mounting Location for 2 Splice Sleeves (Not Included)
SC-DRP-KIT-SCUPC	Mounting Plate for Deploy Reel with 2 Mounting Screws, SC/UPC Adapter Included and Mounting Location for 2 Splice Sleeves (Not Included)
FDRB-ZZZZ-HHLZ	FieldSmart Wall Box, Plastic, Designed to Meet NEMA 4, Includes 2 Multi-Purpose Strain Reliefs, and L-Bracket for SC Adapter
FDRB-ZZZZ-HHLB	Plastic Wall Box, Designed to Meet NEMA 4 With 2 Multi-Purpose Strain Reliefs and Adapter Bracket Includes Slack Reel With Pin, Stores 100 Ft. of 3MM Cable

Installation Video



Home Deployment Kit - 021311