FieldShield®
StrongFiber 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 Premises deployments. The 4.5" (114.30 mm) FieldShield StrongFiber Deploy Reel minimizes pre-engineering because it allows StrongFiber to be pulled from the reel directly to the access point. Once the pullable 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 StrongFiber to be pulled and slack stored from the customer demarcation point. As an ISP Cable, StrongFiber reduces pre-engineering and on-site installation time for MDU and riser deployments.

Description

The FieldShield StrongFiber Deploy Reel is a 4.5" x 1.5" (114.30 mm x 38.00 mm) spool designed to hold up to 300 feet (91.44 m) of FieldShield StrongFiber. It has a pre-mated adapter that can easily be mounted into a small form factor fiber management element. The small form factor of the 900 µm fiber makes slack storage minimal and easy to accommodate, while the exceptional pull strength of StrongFiber makes it craft-friendly and easy for the technician to handle without fear of fiber damage. Less cable weight means reduced co-efficient of friction (COF). This results in quicker installations because there is minimal friction as the cable is pulled through bends and turns throughout the microduct route-path. Reducing the size requirements of the access point (above or below grade) provides a more aesthetically pleasing solution.

Features and Benefits

Integrity
- StrongFiber is designed, tested and certified to GR-20
- Terminations are designed, tested and certified to GR-326
- StrongFiber Deploy Reel has been designed, tested and certified to GR-63
- Supports singlemode SC connectors

Protection
- Deploying StrongFiber with a FieldShield StrongFiber Deploy Reel allows the installer to payout the exact amount of cable required and leave the remaining slack safely stored on the reel
- Exceptional pull strength makes it easier for the technician to handle without fear of fiber damage

Access
- Small form factor 900 µm fiber makes slack storage minimal and easy to accommodate
- Straight forward, simple design means installation crews spend less time figuring out how to deploy
- Low co-efficient of friction (COF) allows StrongFiber to be pulled through bends and turns throughout the microduct route path with minimal friction, reducing deployment times

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

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Technical Specifications

FieldShield StrongFiber Deploy Reel	
Dimensions	4.55" W x 1.5" H (114.30 mm x 38.00 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 StrongFiber 900 μm
Cable Length	Up to 300 feet (91.44 m)

Configured Part Numbers

Disclaimer/Note: Paper configurator shown is for reference only and should not be used to configure a saleable product configuration. All options shown on paper configurators may not be available or compatible with other options listed. Please contact your Clearfield representative for assistance in product configurations.

S R D - ___ 1 S A - ___ Z Z ___

1   **2**   **3**

1 Select Bulkhead Connector

A = SC/UPC
C = SC/APC

2 Select Pullable Connector

B = Pullable SC/UPC
D = Pullable SC/APC
Z = Pigtail

3 Select Cable Length

4 = 100 feet (30.48 m)
8 = 200 feet (60.96 m)
C = 300 feet (91.44 m)

FieldShield StrongFiber Deploy Reel Wall Box

Description

The FieldSmart Mini-TAP Wall Box provides NEMA-4 rated enclosure to distribute StrongFiber Deploy Reel drop cables to the indoor NID in a compact 9 x 12" design.

Pre-Configured Part Numbers

Part Number	Description
FDRG-CDS4-HHLZ	Wall box, plastic, Mini-TAP for FieldShield StrongFiber Deploy Reel includes 2 multi-purpose strain relief, adapter bracket, StrongFiber Deploy Reel, 100 ft.