YOURx-TAP
Installation Manual

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Product Packaging

Figure 1
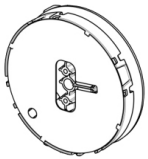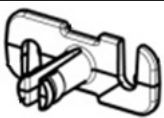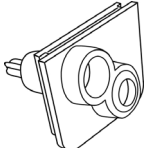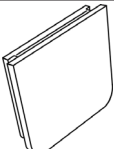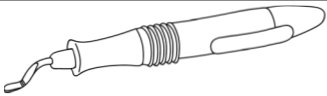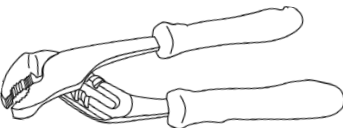
Figure 2

StrongFiber Deploy Reels are shipped in a bubble wrap packaging **(Figure 1)** with mounting hardware included in a plastic pouch **(Figure 2).**

Parts List

Find No.	Quantity	Description	Image
001	1	StrongFiber Deploy Reel	
002	1	Back post	
003	5	Self Taping Screws	
004	1	Cable Entrance Bulkhead	
005	1	Blank Bulkhead	

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Required Tools

Find No.	Tool	Image
006	Phillips Scewdriver	
007	Deburring Tool	
008	Pliers	

Box Mounting

Step 1: Mount TAP Box

Using the provided mounting locations, mount TAP to surface using the appropri-
ate hardware (not included) **(Figure 1)**.

Figure 1

Note: A pass through hole is provided on the back of the wall box as an option to
directly penetrate into the customer premise. **(Figure 2)**.

*If this option is used a 1/4 inch hole must be drilled into the home prior to mount-
ing the TAP box. It is also recommended that the hole be sleeved with a piece of
10/6 microduct for unobstructed access into the customer premise.*

Figure 2

Preparing Ports

Step 1: Remove Port Tab
Use a pair of pliers to snap off port tab. (Figure 1 & Figure 2).

Step 2: Ream Port
Use appropriate tool (we reccomend deburring tool) to ream and chamfer edges of port.

(Figure 3)

Figure 1   **Figure 2**   **Figure 3**

Bottom Deploy Reel Installation

Step 1: Install Back Post
Use a Philips Screwdriver to attach the back post to wall box or mounting surface using the provided self taping screws (Figure 1).

Figure 1

Step 2: Mount Deploy Reel
Align center hole on Deploy Reel with Back Post (Figure 2). The surrounding holes will be used to lock the Reel down after installation. Press Deploy Reel onto Back Post (Figure 3).

Figure 2   **Figure 3**

Step 3: Prepare Pullable SC Connector

Remove the Pullable SC Connector from the reel and remove protective tape (Figure 7). Find the integrated pull string on the connector (Figure 8) and make a simple loop/half hitch in the pull string (Figure
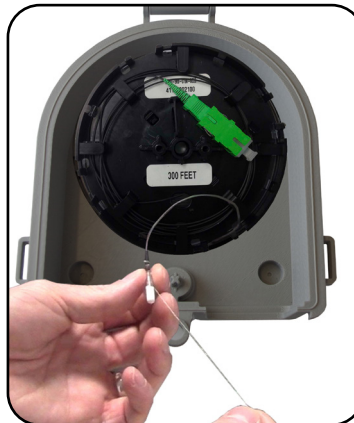

Figure 7

Figure 8

Figure 9

⚠ **IMPORTANT**

Step 4: Tie Pull String to SC Connector

Loop the pull string around the first notch on the metal crimp tube. (Figure 10 & Figure 11).
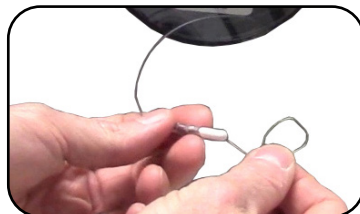Thread the end of the pull string under itself using a half hitch knot and pull to tighten (Figure 12 & Figure 13).

Figure 10
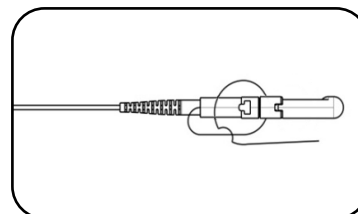
Figure 11
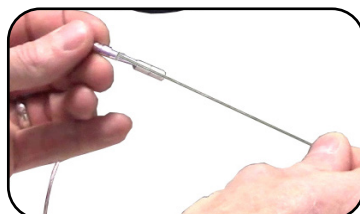
Figure 12
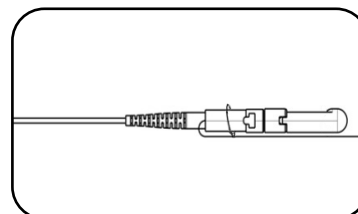
Figure 13

Step 5: Connect Pull Strings
Tie Connector Pull String to Duct Pull String (Figure 14).

Figure 14

⚠ IMPORTANT

DO NOT use any type of tape when tying the pull string to the microduct pull string. This will cause friction and will result in blockage of the microduct.

Step 6: Unlock Deploy Reel
Pull out gently on Deploy Reel to unlock it from the backpost (Figure 15).

Figure 15

Step 7: Insert Connector
Insert Connector fully into duct before pulling fiber through. (Figure 16).

Figure 16

Step 8: Pull Fiber through Duct
Use the Duct Pull String to pull the required length of fiber through the duct to the network access point.

Watch the Installation Video
FieldShield SC Connector
www.clfd.net/media/deployreel.php

Step 9: Assemble Connector End
Once pulled throught the duct, assemble the FieldShield Connecter following instructions provided with the FieldShield Reel. (Figure 17).

Figure 17

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Configurations
The FieldShield YOURx-TAP can be used in the following configurations.

Configuration 1:
Bottom: Empty Deploy Reel
Top: StrongFiber Delpoy Reel
(Figure 1).

Configuration 2:
Bottom: StrongFiber Deploy Reel
Top: StrongFiber Delpoy Reel
(Figure 2).

Configuration 3:
Bottom: StrongFiber Deploy Reel
Top: FLEXdrop Slack Reel
(Figure 3).

Figure 1

Figure 2

Figure 3

Top Deploy Reel Installation

Step 1: Install Back Post
Use a Philips Screwdriver to attach the back post to bottom Deploy Reel using the provided self taping screws (Figure 1).

Note: *Back post cannot be secured to FLEXdrop slack reel.*

Step 2: Mount Deploy Reel
Align center hole on Deploy Reel with Back Post. Press Deploy Reel onto Back Post (Figure 2).

Figure 2

Figure 2

Installing Bulkheads

The YOURx-TAP is shipped with Qty (1) Cable Entrance Bulkhead (Figure 1) Qty (1) Blank Bulkhead (Figure 2). Additional Bulkheads are available for custom configurations.
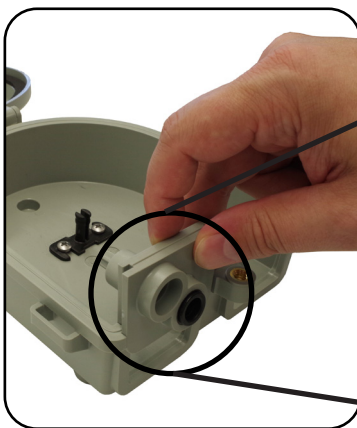
Figure 1
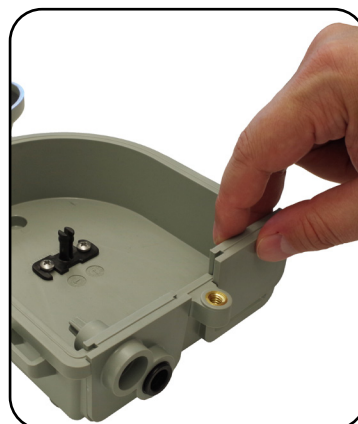
Figure 2

Installing FlexPorts in the Field

- In Cable Entrance Bulkhead, place O-Ring into desired port hole
- Next, place "Press-In" with teeth closest to you, into hole. Tap in so that it sits flush.
- Install the "Clip" into the "Press-Ins"

NOTE: *Clips should be loose, not springy. If springy, re-adjust the "O-Ring"*

O-Ring

Press-in

Clip

INSPECT BEFORE YOU CONNECT!

CLEAN CONNECTOR

DIRTY CONNECTOR
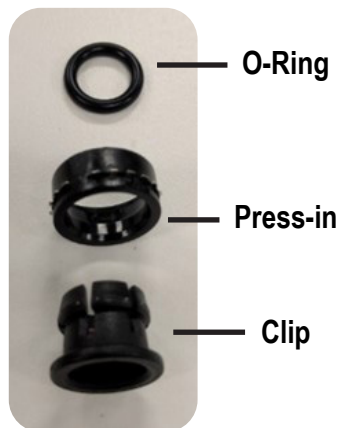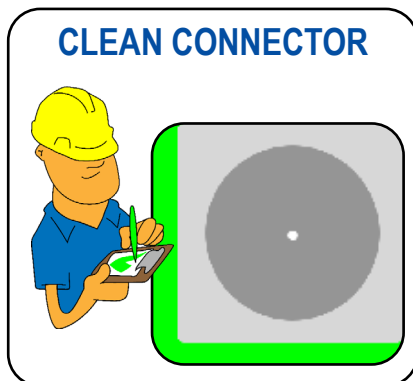
SEE PAGE 13 FOR RECOMMENDED CLEANING PROCEDURES

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Entering and Exiting Fiber Configurations

Fiber can enter or exit the YOURx-TAP through the removable bulkheads at the bottom of the unit, or through the pass through port at the back ot the unit.

⚠️ **IMPORTANT**
When entering the YOURx-TAP **DO NOT** assemble SC Connector Outer Housing until fiber has been passed through the port. Fully connectorized fiber will not pass through port.

FieldShield Flat-SC

Step 1: **Feed through Port**
Guide preconnectorized fiber (unassembled) into YOURx-TAP port and pull until hardened connector reaches port. **(Figure 1)**.

Figure 1

Step 2: **Seat Connector**
Once fiber is through, seat connector into port. **(Figure 2)**.

Figure 2

FieldShield D-ROP

Step 1: **Feed through Port**
Guide preconnectorized fiber (unassembled) into YOURx-TAP port and pull until hardened connector reaches port. **(Figure 1)**.

Figure 1

Step 2: **Seat Connector**
Once fiber is through, seat connector into port. **(Figure 2)**.

Figure 2

FieldShield StrongFiber

Step 1: **Install Duct**
Seat microduct into YOURx-TAP port and tie StrongFiber pull string to duct pullstring with double knot. **(Figure 1)**.

Figure 1

Step 2: **Feed through Duct**
Release deploy reel and pull fiber (unassembled) out through the duct and into the YOURx TAP. **(Figure 2)**.

Figure 2

FieldShield FLEXdrop or FieldShield

Step 1: **Install Duct**
Seat microduct into YOURx-TAP port. **(Figure 1)**.

Figure 1

Step 2: **Feed through Duct**
Push or pull fiber (unassembled) through the duct and into the YOURx TAP. **(Figure 2)**.

Figure 2

Storing Slack Fiber on the TAP Slack Reel

Up to 50 feet of FieldShield or FieldShield FLEXdrop can be stored on the TAP Slack Reel.

Step 1: **Coil Fiber**
Once fiber has been terminated in the Strong-Fiber Deploy Reel, wrap excess fiber around the the TAP Slack Reel in a counter-clockwise motion, making sure not to introduce a twist to the fiber. **(Figure 1)**.

Figure 1

Step 2: **Mount Reel**
Mount TAP Slack Reel onto back post attached to StrongFiber Deploy Reel. **(Figure 2)**.

Figure 2

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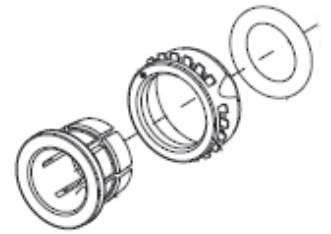
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YOURx-TAP Accessories

FieldShield FlexPort
Description
Individual FieldShield FlexPort for securing 10mm or 14mm microduct into the FieldShield YOURx-Terminal or YOURx-TAP. Includes the outer coupler, inner housing and O-ring.

Pre-Configured Part Numbers

Part Number	Description
016280	FlexPort, Push to Connect, 10mm

10MM Plug
Description
FieldShield FlexPort filler plug for 10mm into the YOURx-TAP.
Application: Used for sealing FlexPort holes if plug on the inside is removed.

Pre-Configured Part Numbers

Part Number	Description
018664	FlexPort Plug, filler for 10mm Cartridges

FSX-10mm Expansion Kit
Description
Bag of 4 individual FlexPorts (016280) and 4 - 10mm FlexPorts plugs (018664) for securing 10mm microduct into the YOURx-TAP.
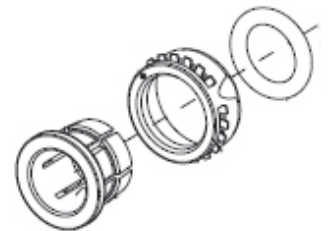
Pre-Configured Part Numbers

Part Number	Description
FSX-10MM EXPANSION KIT	Bag of four 10mm FlexPorts and 10mm Plugs

FS-GBLOCK-10MM-04
Description
Fits around fiber onto duct, providing gas-tight protection. The FS-GBLOCK-10MM-04 includes 4 - 10mm gas blockers and 4 - 3" of 10mm FieldShield Microduct.

Pre-Configured Part Numbers

Part Number	Description
016280	FlexPort, Push to Connect, 10mm

Connector Cleaning Procedure

Whether factory terminated or field spliced, clean connectors are essential for proper system operation. Even the smallest dust particle can cause transmission problems, so for optimal network performance, inspect and if necessary, clean all connectors and adapters prior to mating.

I.B.Y.C…Inspect Before You Connect!

ALWAYS inspect the connector first thing with a clean fiber scope inspect the pair. Three types of contamination require different cleaning techniques. The use of Chemtronics end face and bulkhead cleaning products and techniques ensures a clean end face, no matter the type of contamination.

These are Clearfield recommended products/application. Use the product you feel will complete your cleaning procedures. Create a "best practice" for your company and follow those procedures.

NOTE: It is NOT recommended to use IPA to clean the end-face.

Cleaning the end-face…but not just the end-face

• Place one wiping paper on QbE-2 FiberSafe™ Cleaning Platen. **Figure 1**

• Apply small amount of precision cleaner (about 1" in diameter) with Electro-Wash MX pen on to one end of the wipe. **Figure 2**

• Hold end face 90 degree. Adjust for APC connection by slightly tilting the container or end face. Angle is correct when no drag is left on the end face. **Figure 3**

• Draw end face from wet to dry part of the wipe 3 times. Use just enough pressure to ensure complete contact between end face and the wipe.

DO NOT retrace previous step.

Figure 1

Figure 2

Figure 3

• **CLEAN THE FERRULE**…Lightly moisten the fiber optic swab (2.5mm/38542F or 1.25mm/38040) by spotting a small amount (about 1") of Electro-Wash PX or Electro-Wash MX pen onto the Qbe. Hold the swab, 1 side down to the wetted area and hold for a count of 1-2-3-4-5. **Figure 4**
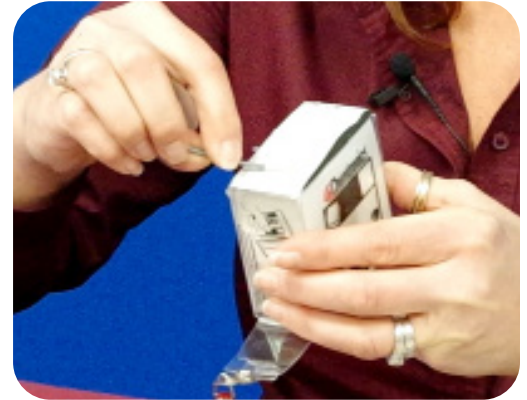
• Insert swab into side of ferrule, wet side to the ceramic ferrule and circle around 2-3 times and remove. Turn swab to dry side and repeat. **Figure 5**

Cleaning the mate through a bulkhead adapter AND the adapter itself!

• Lightly moisten the fiber optic swab(2.5mm/38542F or 1.25mm/38040) by spotting a small amount (about 1") of Electro-Wash PX or Elec-tro-Wash MX pen onto the Qbe. Hold the tip of the swab onto the wetted area and hold for a count of 1-2-3-4-5.

• Insert the swab into the adapter to the connector, press lightly against the connector, twist 2-3 times, remove and discard.

• Dry with a second dry swab.

• Inspect (re-clean if necessary) and test for signal strength.

• Use additional swabs to clean inside the actual adapter. Moisten swab, like above, insert through hole and remove while twisting. **Figure 6**

Figure 4

Figure 5

Figure 6

Cleaning an MPO/MTP Connector

Female Connector

• Place one wiping paper on QbE-2 FiberSafe™ Cleaning Platen and apply small amount of precision cleaner (about 1" in diameter) with Electro-Wash MX pen on to one end of the wipe. **Figure 1**

• Hold end face 90 degree. Adjust for APC connection by slightly tilting the container or end face. Angle is correct when no drag is left on the end face. **Figure 2**
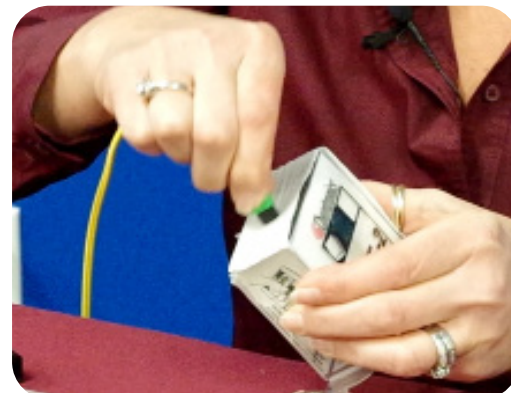
Figure 1

Male Connector

• Lightly moisten the fiber optic swab (CC505F) like above, moistening 1 side.

• Place swab, wet side down at one end of connector end-face and draw across in a diagonal sweep (ie: from fiber 1 up and across to fiber 12). Turn swab over to dry and draw back from fiber 12 to fiber 1. **Figure 3**

Figure 2

BEFORE cleaning any connector…be sure you know what type of contaminate you are cleaning…dry? Fluidic?...All the available products are good, it's the process that you need to be aware of. Using a dry cleaning method to clean "dirt" can lead to scratching of the end-face. Learn the process of cleaning properly!

Figure 3

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Standard Warranty

Clearfield warrants to the original purchaser of the Product sold hereunder is free from defects in material and workmanship under normal use and service, subject to exceptions stated herein. Product purchased is warranted as follows: Clearfield designed and branded Products are warranted for five (5) years: Products manufactured by Clearfield to customer prints and/or specifications are warranted for one (1) year; and any Product Clearfield acquires from or through a third-party manufacturer or distributor and resells to Customer as the original customer will carry the manufacturer's pass-through warranty, if any. In all cases, the warranty period commences on the date of shipment to the original purchaser.

Warranty Claim Procedure

If any Product purchased from Clearfield is found defective under the above warranty, the following basic procedure must be followed:

1. Customer must contact Clearfield and obtain a Return Materials Authorization
2. Following authorization, the Customer ships the product-freight collect-to Clearfield's manufacturing facility
3. Clearfield shall repair or replace the defective Product at its sole option and discretion, and return the repaired or replacement Product to Customer's site, freight prepaid

Note: If the Product is not found to be defective at Clearfield, the product will be returned to the Customer and the customer billed for freight in both directions.

Limitations of Warranty

Correction of defects by repair or replacement, at the option of Clearfield Inc, shall constitute the exclusive sole remedy for a breach of this limited warranty. Clearfield shall not be liable under any circumstances for any special, consequential, incidental, punitive, or exemplary damages arising out of or in any way connected with the product or with agreement to sell product to buyer, including, but not limited to damages for lost profits, loss of use, or for any damages or sums paid by buyer to third parties. The foregoing limitation of liability shall apply whether the claim is based upon principles of contract, warranty, negligence or other tort, breach of statutory duty, principles of indemnity or contribution, the failure of any limited or exclusive remedy to achieve its essential purpose, or otherwise.

Clearfield will not be responsible for any labor or materials costs associated with installation or incorporation of Clearfield products at customer sites, including any costs of alteration, replacement or defective product, or any field repairs.

Other Limitations

1. Clearfield assumes no warranty liability regarding defects caused by:
2. Customer's modification of Product, excepting installation activities described in Clearfield documentation
3. Customer re-packaging of Product for shipment to third parties or destinations other than those originally shipped to by Clearfield, or any defects suffered during shipping where the Product has been re-packaged
4. Customer's installation or maintenance, excepting activities described in and performed in accordance with Clearfield documentation
5. Customer's improper or negligent use or application of Product
6. Other causes external to the Product, including but not limited to accidents, catastrophe, acts of God, government action, war, riot, strikes, civil commotion, sovereign conduct, or the acts or conduct of any person or persons not party to or associated with Clearfield

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However, no guarantee is given or implied that the document is error free or that it is accurate with regard to any specification.

Technical Support

Clearfield, Inc. can be contacted for any issues that arise with the supplied product.

If you need to return the supplied product, you must contact the Clearfield, Inc. Customer Service Department to request a Returned Materials Authorization (RMA) number.

Clearfield, Inc.
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