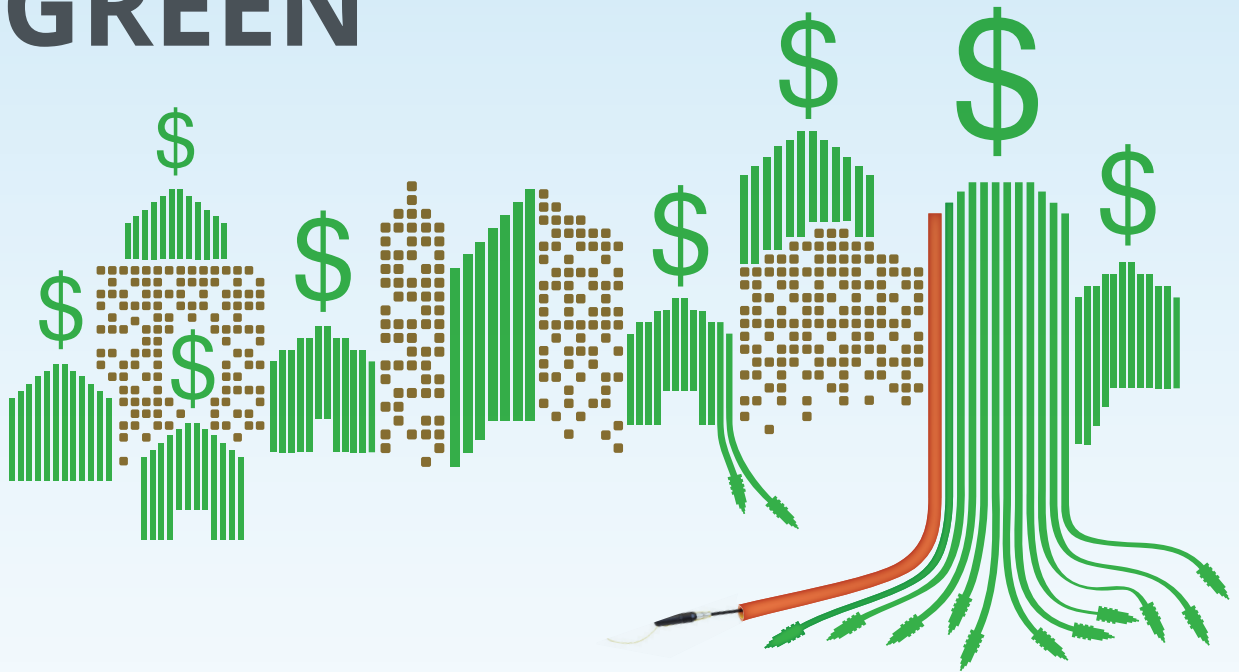


# WE TURN YOUR BROWNFIELD GREEN



Taking fiber anywhere means designing to the variable of [X]. By solving for [X], FieldShield® drop cables and YOURx™ interconnect products bridge existing fiber assets to unlock the potential of your access network. Eliminating the need for field splicing, but recognizing that pre-engineering can't always anticipate the uniqueness of a brownfield deployment, FieldSmart® fiber management completes the equation, offering the configuration flexibility required for these unpredictable installations.

See Clearfield® to lower your total cost of ownership. You'll be seeing **green** sooner than you think.

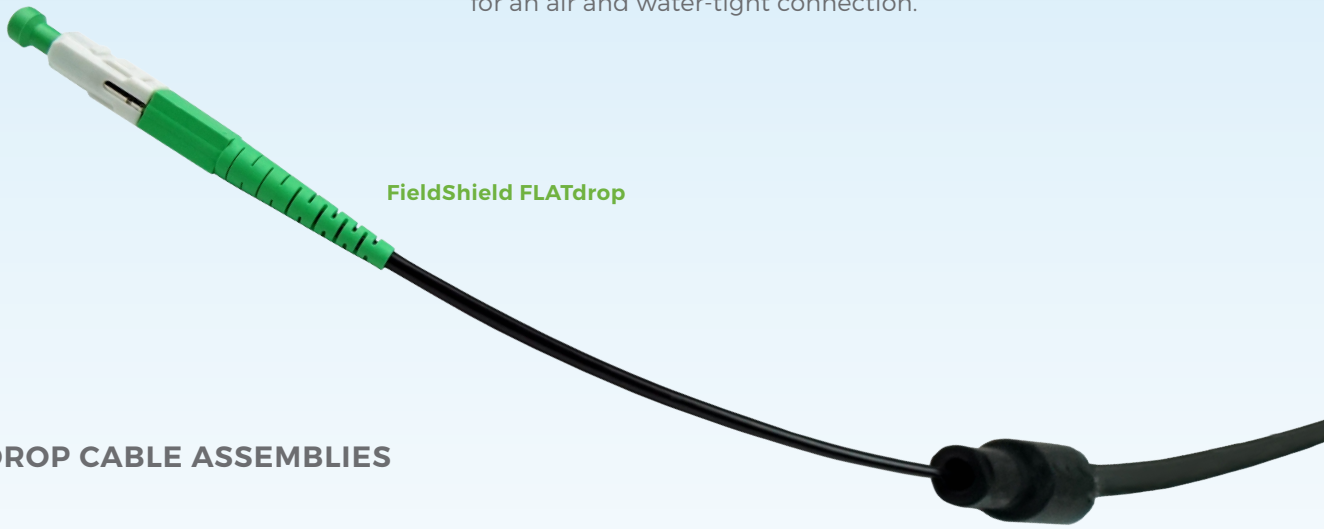
## BANK ON CLEARFIELD

SOLVE FOR **X**  
It's fiber to anywhere.  
[SeeClearfield.com](http://SeeClearfield.com)  
800-422-2537



Lowest initial cap/ex expenditure with universal plug-and-play and interconnect connectivity.

FieldShield FLATdrop snaps directly into the YOURx-Terminal (page 7), YOURx-TAP (page 8) and YOURx Flex Box (page 9) for an air and water-tight connection.



## DROP CABLE ASSEMBLIES

# FieldShield FLATdrop

FieldShield FLATdrop matches the hardened connector performance of legacy connectors, yet carries a significant upfront cost reduction. Leveraging legacy assets as you move to universal deployment, Clearfield offers the choice of the industry's legacy hardened connector as well as our next generation connector design. An optional snap-on FlexConnector accessory to this next generation design simplifies flat drop slack storage to the field labor and space requirements of a 3mm pre-connectorized cable assembly. FieldShield FLATdrop is the first hardened drop cable assembly to provide this freedom of configuration.

Clearfield takes freedom of configuration further by providing FieldShield FLATdrop as one of five drop cable assembly options to be interfaced with the YOURx family of interconnect solutions. Snapping directly into the YOURx-Terminal, YOURx-TAP and YOURx Flex Box, FieldShield FLATdrop provides an air and water-tight connection.



Comparable cap/ex to a flat drop cable with the added advantage of full fiber protection and restorability.

FieldShield D-ROP snaps directly into the YOURx-Terminal (Page 7), YOURx-TAP (page 8) and YOURx Flex Box (page 9) for an air and water-tight connection.

FieldShield D-ROP

## DROP CABLE ASSEMBLIES

# FieldShield D-ROP

[ Restorable One Pass ]

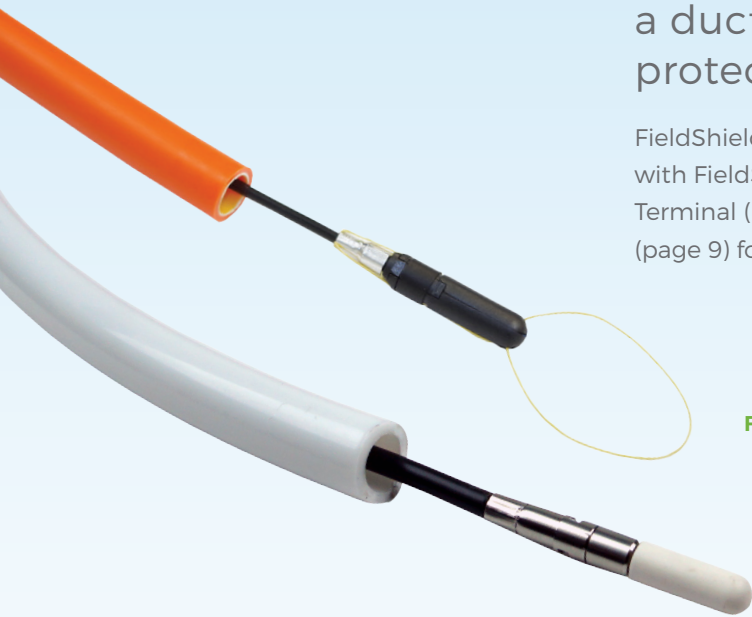
FieldShield D-ROP™ has a comparable cost to a flat drop cable assembly with the added advantage of full fiber protection and restorability. FieldShield D-ROP features a cable-in-conduit design. A factory terminated, connectorized fiber assembly is factory-installed in 7mm microduct with the upfront installation labor time similar to a direct-bury flat drop solution. In the event of a future fiber cut, the link can be easily restored with a fiber pull within the repaired duct.

Slack storage isn't a concern as the duct is easily peeled away at the demarc, leaving a 900µm pre-terminated fiber assembly for small footprint slack storage. Clearfield offers FieldShield D-ROP

as one of five drop cable assemblies that interface with the YOURx family of interconnect solutions. Snapping directly into the YOURx-Terminal, YOURx-TAP and YOURx Flex Box, FieldShield D-ROP provides an air and water-tight connection.

Push (or pull) a small footprint, pre-connectorized fiber assembly to the end-point of your choice through a ducted pathway for optimal protection and restorability.

FieldShield FLEXdrop and Pushable Optical Fiber, teamed with FieldShield microduct, pushes directly into the YOURx-Terminal (Page 7), YOURx-TAP (page 8) and YOURx Flex Box (page 9) for an air and water-tight connection.



FieldShield Pushable Optical Fiber

FieldShield FLEXdrop

## DROP CABLE ASSEMBLIES

# FieldShield FLEXdrop & Pushable Optical Fiber

FieldShield FLEXdrop and FieldShield Pushable Optical fiber are factory-terminated drop cable assemblies that can be pushed (or pulled) through ducted pathways to your desired location. Once the ducted pathway is laid, the installation is as simple as pushing the fiber and snapping on a connector cover. Recommended for use in conjunction with FieldShield microduct. Clearfield designed pushable connectors are available in SC, LC or MPO formats.

Solving for the variability of environments, FieldShield FLEXdrop is highly flexible making it optimal for environments with frequent turns and bends up to 300 feet. It also offers UV protection making it a great building wrap. FieldShield Pushable Optical fiber offers strengthened rigidity, making it ideal for distances of up to 500 feet. These two drop cable assemblies interface with all of the YOURx family interconnect solutions, providing an air and water-tight connection.

Minimal footprint and innovative spool-based technology make StrongFiber the most craft-friendly drop cable option available from Clearfield.

FieldShield StrongFiber, teamed with FieldShield microduct, pushes directly into the YOURx-Terminal (Page 7), YOURx- TAP (page 8) and YOURx Flex Box (page 9) for an air and water-tight connection.



FieldShield StrongFiber

## DROP CABLE ASSEMBLIES

# FieldShield StrongFiber

FieldShield StrongFiber is a durable, high tensile strength 900 um factory-terminated fiber cable assembly. FieldShield StrongFiber is designed to be deployed in conjunction with FieldShield Microduct for additional protection and restorability. Due to its minimal footprint, the pain points of slack storage are all but eliminated. Innovative spool-based concepts bring simplicity and speed of deployment. Exceptional pull strength make it craft-friendly and easy for the technician to handle without fear of fiber damage.

StrongFiber is available on a deploy reel that allows the fiber slack to be stored at

the customer premise and pulled back to the YOURx -Terminal in an SFU or MDU deployment. It is also available on a drop wheel for multi-fiber deployments in the MDU with the fiber pulled to the customer premise.



FieldShield Drop Wheel



Outside Plant

Inside Plant

Aerial

Aerial, buried, riser and plenum options provide the pathway for FieldShield FLEXdrop, Pushable Optical Fiber and StrongFiber for fiber to anywhere connectivity.

FieldShield microducts push directly into the YOURx-Terminal (Page 7), YOURx-TAP (page 8) and YOURx Flex Box (page 9) for an air and water-tight connection.

## MICRODUCTS

# FieldShield Microduct

FieldShield microducts provide a fiber delivery pathway to quickly deliver pre-terminated, factory-tested pushable (and pullable) FieldShield FLEXdrop, FieldShield Pushable Fiber and FieldShield StrongFiber. Duct options address aerial and buried environments in the outside plant, while plenum and riser configurations provide solutions for the inside plant.

Within an in-building environment, due to high column strength, microduct can be deployed directly within a larger, fully occupied duct. This “makes room” for the pushable fiber and maximizes the use of existing infrastructure,

therefore reducing overall project costs. In the outside plant, due to its small size, FieldShield microduct are ideal for installations requiring less intrusive methods such as micro trenching.

All FieldShield microducts enable non-intrusive fiber restoration. Limiting construction-activity only to the point of failure, minimizes time to a full link restoration.

Access network terminal delivering a fully protected fiber pathway for any configuration: drop only, distributed split and daisy chain deployments.

All FieldShield drop cables and microducts, regardless of their type, connect to YOURx-Terminal and YOURx-Aerial Terminal.

YOURx-Aerial Terminal



YOURx-Terminal



## INTERCONNECTS: OSP

# YOURx-Terminals

The YOURx-Terminal and YOURx-Aerial Terminal are compact, environmentally sealed interconnects that provide an air and water-tight connection for all FieldShield drop cables and microduct. This universal plug-and-play design means multiple fiber media, same port connectivity.

With two feeder ports and 16 distribution (drop) ports, the YOURx-Terminal is designed for maximum scalability across multiple service classes. It also allows for integration of optical components. Below-grade, pedestal and pole-mount deployment options provide for a single product use approach in a variety of network access architectures.

The YOURx-Aerial Terminal allows for aerial or strand-mount fiber deployment. It accepts the fiber feed and distributes up to 24 individual service drops. It offers the capability to mid-span a larger count fiber cable so multiple terminal/access points can be deployed along the same cable run.

YOURx-Terminal





**YOURx-TAP**

Industry's smallest demarc provides test access and slack storage.

All FieldShield drop cables, regardless of their type, connect to the YOURx-TAP.

## INTERCONNECTS: DEMARC

# YOURx-TAP

The YOURx-TAP is a test access point between the service provider network and a subscriber demarc. With its hinged removable cover design, the YOURx-TAP is easily accessible for craft personnel access during initial service installation and ongoing maintenance.

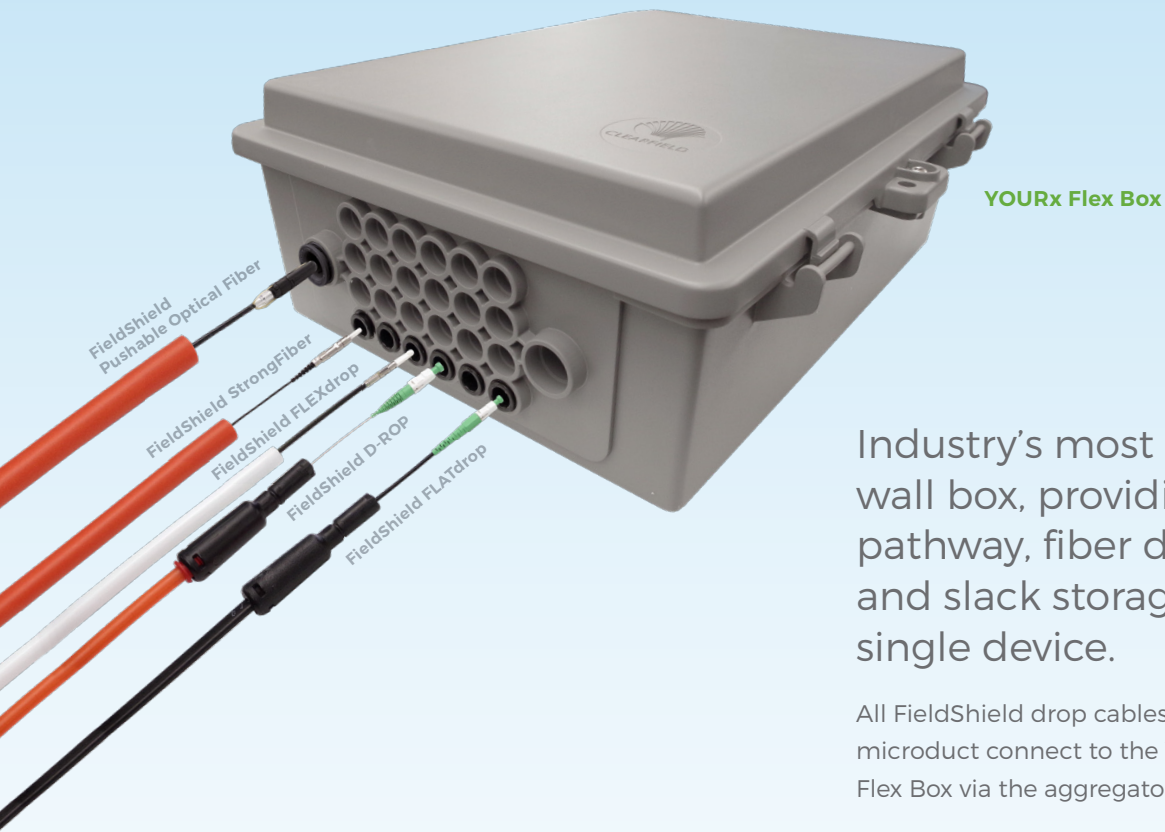
The YOURx-TAP is the smallest demarcation footprint in the industry. It houses two deploy reels designed to be used with FieldShield D-ROP, FieldShield FLEXdrop as well as FieldShield StrongFiber. When utilizing the optional integrated deploy reel, up to 300 feet of slack fiber storage is available for FieldShield StrongFiber and FieldShield D-ROP. Up to 50 feet of slack fiber storage is available for



FieldShield FLEXdrop and FieldShield FLATdrop. This innovative spool-based concept enables an easy pull of a factory pre-connectorized fiber thus bringing simplicity and speed of deployment when turn-up time and crew availability are critical.

For those environments in which fiber splicing is desired, Clearfield also provides the CraftSmart Test Access Point.





Industry's most flexible wall box, providing fiber pathway, fiber distribution and slack storage in a single device.

All FieldShield drop cables and microduct connect to the YOURx Flex Box via the aggregator plate.

**INTERCONNECTS: MDU**

# YOURx Flex Box

The YOURx Flex Box is a secure, flexible and modular wall box that allows the service provider to create a state-of-the-art, plug-and-play fiber optical network by inter-connecting all types of media and pathways into a single fiber distribution and aggregation point in access networks. The modularity is achieved by removable aggregator plates that provide multiple cable entries for individual fiber cables, conduit and microduct in an organized matter.

The YOURx Flex Box addresses the challenges of supporting varying number of subscribers in different configurations, managing slack storage and reducing fiber installation time – all within a single wall box. Configured with the Clearview® Cassette, drop wheel assembly or SmartRoute Plate inserts, the YOURx Flex Box supports multiple connectivity architectures such as drop or split.



All FieldShield microducts connect to all YOURx access products, providing multi-media, same port connectivity.

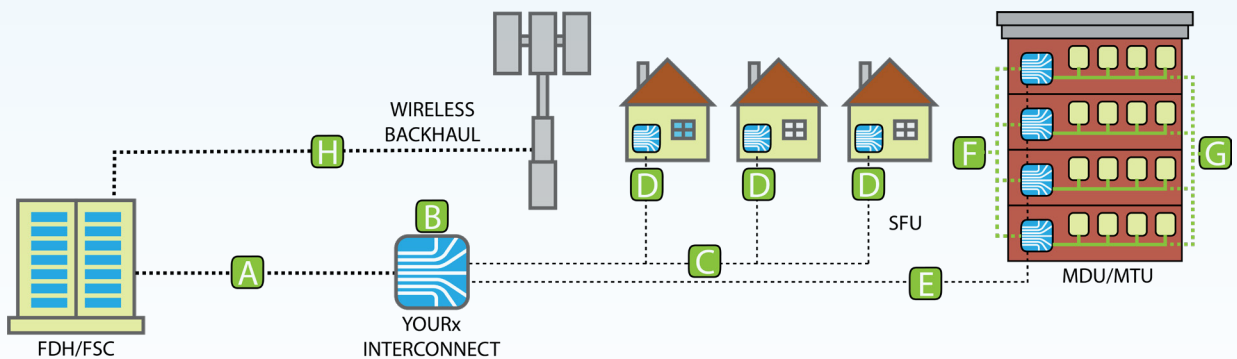
# Network Application

FieldShield Fiber assemblies and YOURx interconnects bring a comprehensive portfolio of field tested solutions designed to reduce the high costs associated with fiber deployment, management, protection, and scaling a fiber optic network to the demands of residential and business customers.

Characterized by flexibility, scalability and a low labor requirement, Clearfield products reduce the time necessary to install the network. Speed of installation is maximized by the use of existing infrastructure, implementing end-to-end, plug-and-play functionality, as well as the







ability to interconnect multiple types of pathway and media (conduit, microduct, flat fiber, microfiber). The design will also offer complete restoration – lowering the maintenance and repair costs while maintaining the ease of network reconfiguration

FieldShield Fiber assemblies and YOURx interconnects accommodate various fiber network architectures, such as Active Ethernet, RFoG or GPON in point-to-point or split architectures. They are designed to be used in SFU, MDU/MTU, Business Class Services as well as Wireless Backhaul.



# FieldShield Product Portfolio





## FIBER MEDIA

APPLICATION	PART NUMBER	DESCRIPTION	
A C E H	FSH-xxx Hx1-xxx	FieldShield FLATdrop, configurable single strand, singlemode FieldShield FLATdrop, configurable multi-strand, MPO, singlemode	
C E	FSD-xxx FS-MED-001-xxx FS-MEA-001-xxx	FieldShield D-ROP, configurable single strand, singlemode FieldShield D-ROP, pre-configured, bulk, direct bury, orange, 7mm OD FieldShield D-ROP, pre-configured, bulk, aerial, orange, 7mm OD	
A C E H	FS-CA1-00x-xxx	FieldShield Pushable Fiber configurable family	
C E F	FS-CPI-xxx	FieldShield FLEXdrop	
C E F G	SRD-x1SA-xxx	FieldShield StrongFiber, configurable on Deploy Reel	
E F	DW-SCX-xxx	FieldShield StrongFiber, configurable on Drop Wheel	

## YOURx INTERCONNECTS

APPLICATION	PART NUMBER	DESCRIPTION	
B	FSTX-xxx	YOURx-Terminal	
D	TAPX-xxx	YOURx-TAP	
F	WSx-xxx	YOURx Flex Box	

## DUCTED PATHWAYS

APPLICATION	PART NUMBER	DESCRIPTION	
A E	FS-MEA-xxx	FieldShield Aerial Microducts	
A C E	FS-DEx-xxx FS-MEx-xxx	FieldShield Direct Bury Microducts	
F G	FS-MCP-NT-xxx	FieldShield Plenum Microduct	
F	FS-DCR-NT-xxx	FieldShield Riser Microduct	



To optimize the return on your fiber investment, please visit

**[SEECLEARFIELD.COM/FIELDSHIELD](https://www.seeclearfield.com/fieldshield)**