

Introduction to Access Products

Wall Boxes, Access Points and Terminals



Whether it's a pedestal, a vault or a wall box, we have the fiber management products to round out the last mile or access point of your network. FieldSmart® Fiber Delivery Point (FDP) products can be placed aerially in pole or strand-mount closures, in pedestals on the ground or below grade in small hand holes with closures that provide superior splicing or interconnect functionality.

With the xPAK at its heart, the FieldSmart Small Count Delivery (SCD) Case is the industry's only universal drop cable enclosure - supporting any cable construction. While providing configuration flexibility in any deployment, the SCD Case is the only enclosure optimized for pushable fiber.

The FieldSmart FDP Wall Box line has been optimized for both indoor and outdoor deployments. They are ideal for both business-class and residential environments. The OSP platform is designed for the harshest environment, supporting NEMA 4 performance requirements, while still allowing for conduit entry through field-deployed knock-outs on both the rear and bottom of the unit. Designed from conception to provide fast, easy fiber jumper routing and ease of access to all circuits, the FieldSmart FDP Wall Box system is craft-friendly, keeping the installer's needs for quick deployment, intuitive use and ease of maintenance as our top priority.

With the Clearview® Cassette at its heart, the FieldSmart FDP Wall Box gives service providers plug-and-play integration based upon the configuration requirements of the application. With a choice of up to 48 ports for the outdoor model or up to 144 ports for the indoor model, users can easily scale their networks using the same consistent Clearview Cassette deployment strategy.



FieldSmart Wall Boxes - Metal



FieldSmart Wall Boxes - Plastic



YOURx-Terminals



YOURx-TAP

Inspect and clean EVERY connector BEFORE inserting into adapter. See page 161 for Cleaning Kits.

FieldSmart® Fiber Delivery Point (FDP) Outdoor 24-Port Wall Box



Application

The FieldSmart FDP 24 Port Outdoor Wall Box is ideal for both residential MDUs and business-class environments. Configurable for either patch only, patch and splice (Clearfield's in-cassette splicing solution) or MPO plug-and-play, Outdoor Wall Boxes supports all cable scenarios for the outside plant. The OSP platform is designed for the harshest environments, supporting NEMA 4 performance requirements, while providing conduit entry through field-deployed knock-outs on both the rear and bottom of the unit. Additional applications include, fiber demarcations, entrance facilities and security systems (CCTV).

Description

Designed from conception to provide fast and easy fiber jumper routing with ease of access to all circuits, the FieldSmart FDP Outdoor 24 Port Wall Box is craft-friendly, keeping the installer's needs for quick deployment, intuitive use and ease of maintenance as the top priorities. Utilizing the Clearview® Cassette, the boxes easily scale from 12 to 24 ports with the industry standard adapter of choice. Ring cut or mid-span capabilities allow distribution cables to be daisy-chained and for fiber hand-off through the riser, while a swinging bulkhead provides rear-access to cassettes and protects sub-unit slack storage. With lockable doors for added protection and a solid enclosure design to protect fiber terminations from damage, the FieldSmart Fiber Delivery Point (FDP) Wall Box product line provides superior fiber management for outdoor environments.

Features and Benefits

Integrity

- Terminations are designed and tested to Telcordia GR-326
- Clearfield® FiberDeep® Guarantee: 0.2 dB insertion loss or less, exceeding industry standards
- Designed to comply to Telcordia GR-20 and GR-409
- Supports all industry standard singlemode and multimode connectors
- 100% performance tested for insertion loss, return loss and final mechanical inspect

Protection

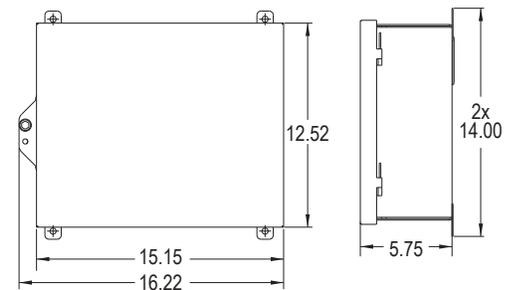
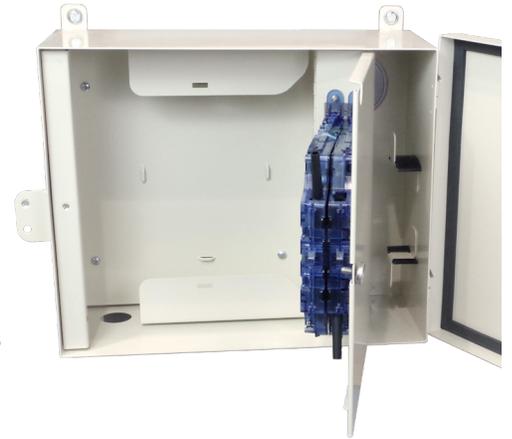
- Designed to NEMA 4 requirements
- Zinc-plated for harsh environment reliability
- Radius protected storage for up to three meters of jacketed fiber or patch cord slack is provided (patch side)
- Internal radius protected storage of up to one meter of 900 µm fiber and three meters of jacketed fiber (splice side)
- Rugged steel construction with locking access doors provides security from tampering or inadvertent damage
- Integrated fiber management protects fiber from micro-bend and macro-bend damage
- Ability to padlock the outside door for increased security

Access

- Ships ready to install with cable clamp kit, locks and miscellaneous accessories
- Multiple entry/exit points for feeder/customer premise cables
- Larger design facilitates ease of access in the environments the product is deployed
- Rear wall knockout for conduit entry
- Accessible using a standard can wrench

Investment

- Scalable to 24 ports of fiber using Clearview® Cassettes loaded with the interface of your choice
- Pre-configured and pre-loaded factory terminated assemblies
- Patch only or patch and splice configurations supported
- Boxes can be configured as a tie box and later converted to patch only or patch and splice, utilizing the Clearview Cassette



FieldSmart® Fiber Delivery Point (FDP) Outdoor 24-Port Wall Box



Technical Specifications

FieldSmart Outdoor 24 Port Wall Box	
Dimensions	12.52" H x 16.22" W x 5.75" D (318.01 mm x 411.98 mm x 146.05 mm)
Port Density	Up to 24 ports
Cassette Types Supported	Clearview® Blue
Connector Types	SC/UPC, SC/APC, LC/UPC, LC/APC, FC/UPC, FC/APC, ST/UPC, MPO
Cable Types	Indoor/Outdoor, Outdoor (Riser/Non-Rated), Outdoor Armored (Riser/Non-Rated)
Splice Capacity	12 or 24 splice configurations in each Clearview Cassette
Storage Capacity	One meter of 900 μm fiber and up to 20 feet (6.10 m) buffer tube
Material	16 gauge cold rolled steel (zinc chromate with almond powder coating)

Configured Part Numbers

W _____ - _____ - _____ - Z Z _____ XXXM or XXXF

1 2 3 4 5 6 7

1 Select Wall Mount Style

C = Patch only
D = Patch and splice
H = Tie panel

2 Select Clearview Cassette

B = Clearview Blue

3 Select Port Count

012 = 12 port 000 = Empty Panel
024 = 24 port

4 Select Connector Style

A = SC/UPC J = FC/UPC
C = SC/APC K = FC/APC
F = LC/UPC M = ST/UPC
H = LC/APC

5 Select Mode / Type

1 = Singlemode, non ribbon
2 = Singlemode, ribbon
3 = Multimode (62.5)
9 = No fiber – multimode
0 = No fiber - singlemode

6 Select Cable Construction

B = OSP riser rated
E = OSP (non-rated)
F = Patch and splice (loose tube)
M = OSP (armored, non-rated)
Z = Patch and splice ribbon

7 Select Cable Exit *

4 = Bottom left
Z = None or patch and splice (ribbon)

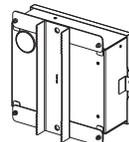
XXXM or XXXF

XXXM = Length in meters
XXXF = Length in feet

* Cable exit is defined by which direction the cable exits the panel when viewing it from the front.

Accessories

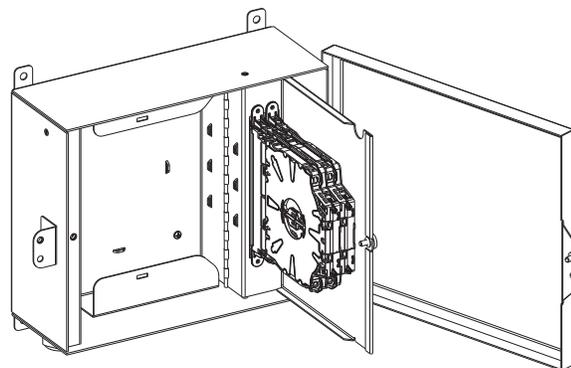
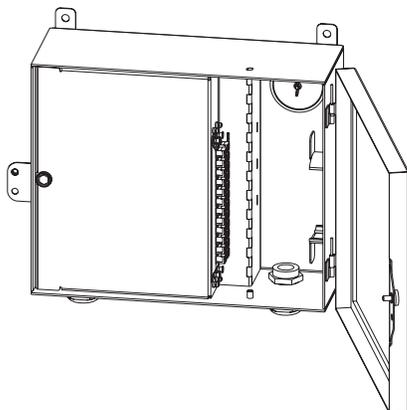
- Pole Mount Kit (FMA-H4Z-SUB)
- FieldSmart Outdoor Wall Box Accessory Kit (FMA-XXX-36)



FMA-H4Z-SUB



FMA-XXX-36



FieldSmart® Fiber Delivery Point (FDP) Outdoor 48-Port Wall Box

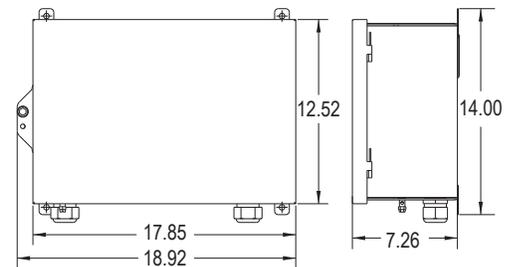


Application

The FieldSmart FDP 48 Port Outdoor Wall Box is ideal for both residential MDUs and business-class environments. Configurable for either patch only, patch and splice (Clearfield's in-cassette splicing solution) or MPO plug-and-play, Outdoor Wall Boxes supports all cable scenarios for the outside plant. The OSP platform is designed for the harshest environments, supporting NEMA 4 performance requirements, while providing conduit entry through field-deployed knock-outs on both the rear and bottom of the unit. Additional applications include, fiber demarcations, entrance facilities and security systems (CCTV).

Description

Designed from conception to provide fast and easy fiber jumper routing with ease of access to all circuits, the FieldSmart FDP Outdoor 48 Port Wall Box is craft-friendly, keeping the installer's needs for quick deployment, intuitive use and ease of maintenance as the top priorities. Utilizing the Clearview® Cassette, the box easily scale from 12 to 48 ports with the industry standard adapter of choice. Ring cut or mid-span capabilities allow distribution cables to be daisy-chained and for fiber hand-off through the riser, while a swinging bulkhead provides rear-access to cassettes and protects sub-unit slack storage. With lockable doors for added protection and a solid enclosure design to protect fiber terminations from damage, the FieldSmart Fiber Delivery Point (FDP) Wall Box product line provides superior fiber management for outdoor environments.



Features and Benefits

Integrity

- Terminations are designed and tested to Telcordia GR-326
- Clearfield® FiberDeep® Guarantee: 0.2 dB insertion loss or less, exceeding industry standards
- Designed to comply to Telcordia GR-20 and GR-409
- Supports all industry standard singlemode and multimode connectors
- 100% performance tested for insertion loss, return loss and final mechanical inspect

Protection

- Outdoor unit designed to NEMA 4 requirements
- Zinc-plated for harsh environment reliability
- Radius protected storage for up to three meters of jacketed fiber or patch cord slack is provided (patch side)
- Internal radius protected storage of up to one meter of 900 µm fiber and three meters of jacketed fiber (splice side)
- Rugged steel construction with locking access doors provides security from tampering or inadvertent damage
- Integrated fiber management protects fiber from micro-bend and macro-bend damage
- Ability to padlock the outside door for increased security

Access

- Removable doors and non-angled connectors enable fast, easy fiber jumper routing
- Ships ready to install with cable clamp kit, locks and miscellaneous accessories
- Multiple entry/exit points for feeder/customer premise cables
- Larger design facilitates ease of access in the environments the product is deployed
- Rear wall knockout for conduit entry
- Accessible using a standard can wrench

Investment

- Scalable to 48 ports of fiber using Clearview Cassettes loaded with the interface of your choice
- Pre-configured/pre-loaded factory terminated assemblies
- Patch only or patch and splice configurations supported
- Box can be configured as a tie box and later converted to patch only or patch and splice, utilizing the Clearview Cassette

FieldSmart® Fiber Delivery Point (FDP) Outdoor 48-Port Wall Box



Technical Specifications

FieldSmart Outdoor 48 Port Wall Box	
Dimensions	12.52" H x 18.92" W x 7.26" D (318.01 mm x 480.56 x 184.40 mm)
Port Density	Up to 48 ports
Cassette Types Supported	Clearview® Blue
Connector Types	SC/UPC, SC/APC, LC/UPC, LC/APC, FC/UPC, FC/APC, ST/UPC, MPO
Cable Types	Indoor/Outdoor, Outdoor (Riser/Non-Rated), Outdoor Armored (Riser/Non-Rated)
Splice Capacity	12 or 24 splice configurations in each Clearview Cassette
Storage Capacity	One meter of 900 μm fiber and up to 3 meters of jacketed fiber
Material	16 gauge cold rolled steel (zinc chromate with almond powder coating)

Configured Part Numbers

W _____ - _____ - _____ - Z Z _____ XXXM or XXXF

1 2 3 4 5 6 7

1 Select Wall Mount Style

T = Patch only
U = Patch and splice
V = Tie panel

2 Select Clearview Cassette

B = Clearview Blue

3 Select Port Count

000 = Empty Panel
012 = 12 port
024 = 24 port
036 = 36 port
048 = 48 port

4 Select Connector Style

A = SC/UPC J = FC/UPC
C = SC/APC K = FC/APC
F = LC/UPC M = ST/UPC
H = LC/APC

5 Select Mode / Type

1 = Singlemode, non ribbon
2 = Singlemode, ribbon
3 = Multimode (62.5)
9 = No fiber – multimode
0 = No fiber - singlemode

6 Select Cable Construction

B = OSP riser rated
E = OSP (non-rated)
F = Patch and splice (loose tube)
M = OSP (armored, non-rated)
Z = Patch and splice ribbon

7 Select Cable Exit *

4 = Bottom left
Z = None or patch and splice (ribbon)

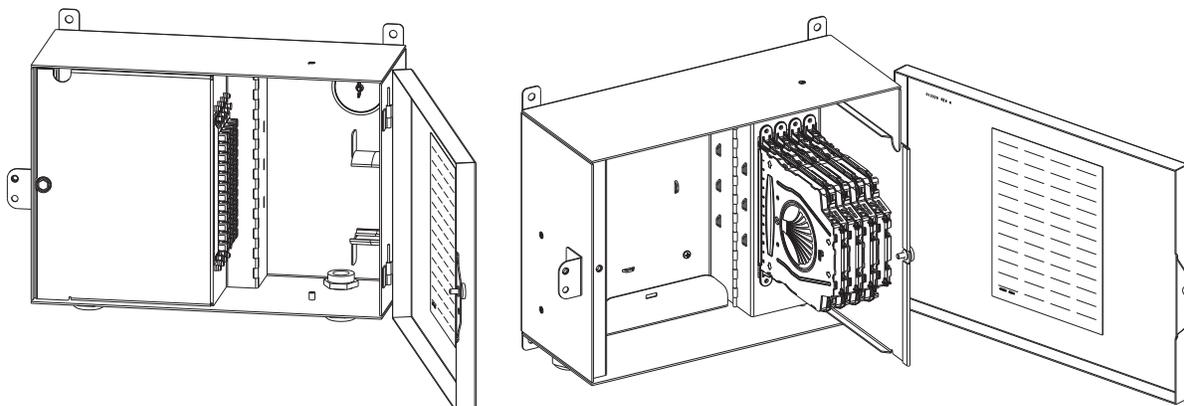
XXXM or XXXF

XXXM = Length in meters
XXXF = Length in feet

* Cable exit is defined by which direction the cable exits the panel when viewing it from the front.

Accessories

- Pole Mount Kit (FMA-H4Z-SUB)
- FieldSmart Outdoor Wall Box Accessory Kit (FMA-XXX-36)



FieldSmart® Fiber Delivery Point (FDP)

Indoor 36-Port Wall Box

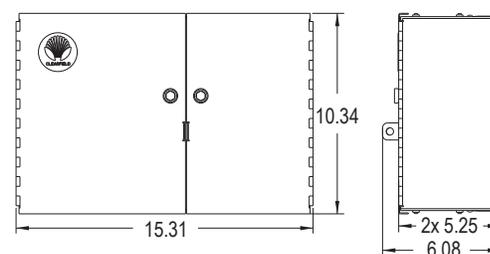
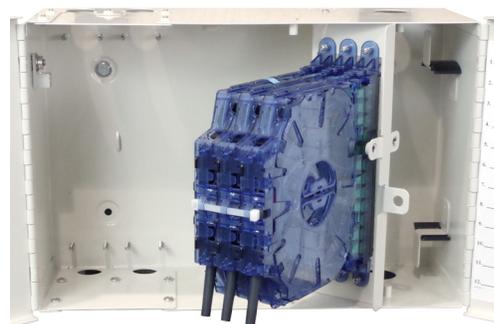


Application

The FieldSmart Fiber Delivery Point (FDP) 36 Port Indoor Wall Box has been optimized for MDU (Multi Dwelling Unit) applications. With the Clearview® Cassette at its heart, the FieldSmart FDP Wall Box gives service providers plug-and-play integration based upon the configuration requirements of the application. With the ability to house a single 1 x 32 splitter, indoor wall boxes are perfect for the deployment of PON-based FTTH networks in an MDU environment. Additional applications include, fiber demarcations, entrance facilities and security systems (CCTV).

Description

The FieldSmart Fiber Delivery Point (FDP) 36 Port Indoor Wall Box easily allows the user to scale from 12 to 36 ports. Utilizing Clearview Cassettes, the product is shipped loaded with the industry standard adapter of choice and can be configured for patch only, patch and splice (Clearfield's in-cassette splicing solution) and MPO plug-and-play applications, while supporting all cable constructions for the inside plant. It is ring cut or mid-span capable, allowing for the distribution cables to be daisy-chained and for fiber hand-off through the riser. The box has a swinging bulkhead for rear-access to the cassettes and protects sub-unit slack storage, security enabled doors for extra protection and a solid enclosure to protect fiber terminations from damage. Designed from conception to provide fast, easy fiber jumper routing and ease of access to all circuits, the Wall Box system is craft-friendly, keeping the installer's needs for quick deployment, intuitive use and ease of maintenance as the top priority.



Features and Benefits

Integrity

- Terminations are designed and tested to Telcordia GR-326
- Clearfield® FiberDeep® Guarantee: 0.2 dB insertion loss or less, exceeding industry standards
- Designed to comply to Telcordia GR-20 and GR-409
- Supports all industry standard singlemode and multimode connectors
- 100% performance tested for insertion loss, return loss and final mechanical inspect

Protection

- Radius protected storage for up to five meters of jacketed fiber or patch cord slack is provided (patch side)
- Rugged steel construction with security enabled doors provide protection from tampering or inadvertent damage with industry standard can wrench fasteners
- Integrated fiber management protects fiber from micro-bend and macro-bend damage
- A grounding lug is included

Access

- Removable doors and non-angled connectors enable fast, easy fiber jumper routing, reducing the risk of fiber damage when cleaning or patching fibers
- Ships ready to install with cable clamp kit and miscellaneous accessories
- Upper and lower entry/exit points for feeder/customer premise cables
- Larger design facilitates ease of access in the environments product is deployed
- Accessible using a standard can wrench
- Pre-loaded for patch and splice or patch only applications

Investment

- Scalable to 36 ports of fiber using Clearview Cassettes loaded with the interface of your choice
- Pre-configured/pre-loaded factory terminated assemblies
- Box can be configured as a tie box and later converted to patch only or patch and splice, utilizing the Clearview Cassette

FieldSmart® Fiber Delivery Point (FDP)

Indoor 36-Port Wall Box



Technical Specifications

FieldSmart Indoor 36 Port Wall Box	
Dimensions	10.34" H x 15.31" W x 5.25" D (262.63 mm x 388.87 mm x 133.35 mm)
Port Density	Up to 36 ports
Cassette Types Supported	Clearview® Blue
Connector Types	SC/UPC, SC/APC, LC/UPC, LC/APC, FC/UPC, FC/APC, ST/UPC, MPO
Cable Types	Indoor Riser, Indoor Plenum, Indoor/Outdoor
Splice Capacity	12 or 24 splice configurations in each Clearview Cassette
Storage Capacity	One meter of 900 µm fiber and up to 5 meters of jacketed fiber
Material	18 gauge cold rolled steel (almond powder coating)

Configured Part Numbers

W _____ - _____ - _____ - Z Z _____ XXXM or XXXF

1 2 3 4 5 6 7

1 Select Wallmount Style

E = Patch only
F = Patch and splice
G = Tie panel

2 Select Clearview Cassette

B = Clearview Blue

3 Select Port Count

012 = 12 port
024 = 24 port
036 = 36 port

4 Select Connector Style

A = SC/UPC J = FC/UPC
C = SC/APC K = FC/APC
F = LC/UPC M = ST/UPC
H = LC/APC

5 Select Mode / Type

1 = Singlemode, non ribbon
2 = Singlemode, ribbon
3 = Multimode (62.5)
9 = No fiber – multimode
0 = No fiber - singlemode

6 Select Cable Construction

A = Indoor riser rated (IFC)
B = OSP riser rated
C = Indoor, plenum rated (IFC)
E = OSP (non-rated)
M = OSP (armored, non-rated)
F = Patch and splice (loose tube)
Z = Patch and splice (ribbon)

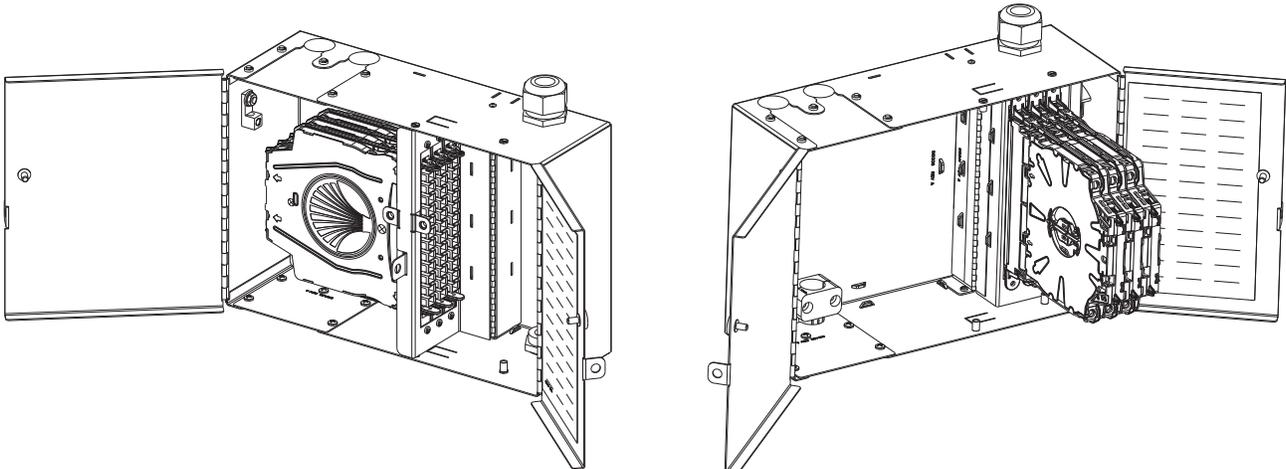
7 Select Cable Exit *

2 = Top left
4 = Bottom left
Z = None or patch and splice (ribbon)

XXXM or XXXF

XXXM = Length in meters
XXXF = Length in feet

* Cable exit is defined by which direction the cable exits the panel when viewing it from the front.



FieldSmart® Fiber Delivery Point (FDP)

Indoor 96-Port PON Wall Box

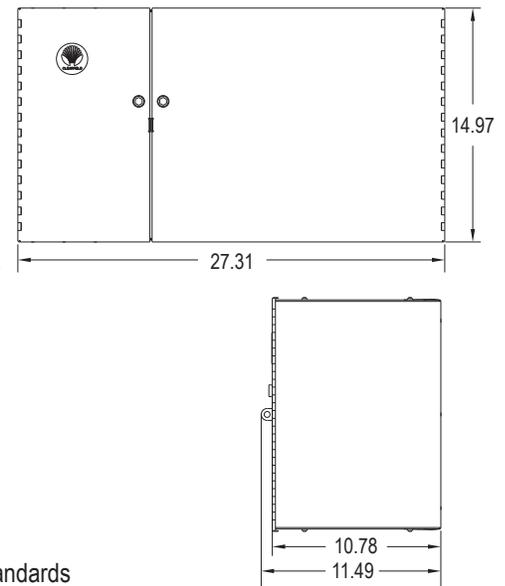
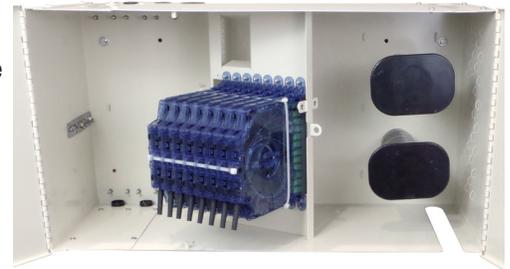


Application

The FieldSmart Fiber Delivery Point (FDP) 96-Port PON Indoor Wall Box has been optimized for MDU applications. Configurable with up to 96 distributed ports and 12 feeder ports, users can easily scale their networks using the same consistent Clearview® Cassette deployment strategy. With the ability to house up to three 1 x 32 splitters, the Indoor Wall Box supports PON applications, as well as fiber demarcations, entrance facilities and security systems (CCTV).

Description

In the middle of the FieldSmart Fiber Delivery Point (FDP) Indoor Wall Box line is the 96 Port, which allows the user to easily scale 12 to 96 distributed ports. Designed from conception to provide fast and easy fiber jumper routing with ease of access to all circuits, the FieldSmart FDP Wall Box system is craft-friendly, keeping the installer's needs for quick deployment, intuitive use and ease of maintenance as the top priorities. Utilizing Clearview Cassettes, the product is shipped loaded with the industry standard adapter of choice and can be configured for patch only, patch and splice (Clearfield's in-cassette splicing solution) and MPO plug-and-play applications, while supporting all cable constructions for the inside plant. It is ring cut or mid-span capable, allowing for the distribution cables to be daisy-chained and for fiber hand-off through the riser. The box has a swinging bulkhead for rear-access to the cassettes and protects sub-unit slack storage, security enabled doors for extra protection and a solid enclosure to protect fiber terminations from damage. Designed from conception to provide fast, easy fiber jumper routing and ease of access to all circuits, the wall box system is craft-friendly, keeping the installer's needs for quick deployment, intuitive use and ease of maintenance as the top priority.



Features and Benefits

Integrity

- Terminations are designed and tested to Telcordia GR-326
- Clearfield® FiberDeep® Guarantee: 0.2 dB insertion loss or less, exceeding industry standards
- Designed to comply to Telcordia GR-20 and GR-409
- Supports all industry standard singlemode and multimode connectors
- 100% performance tested for insertion loss, return loss and final mechanical inspect

Protection

- Radius protected storage for up to five meters of jacketed fiber or patch cord slack is provided (patch side)
- Rugged steel construction with security enabled doors provide protection from tampering or inadvertent damage with industry standard can wrench fasteners
- Integrated fiber management protects fiber from micro-bend and macro-bend damage
- A grounding lug is included

Access

- Removable doors and non-angled connectors enable fast, easy fiber jumper routing, reducing the risk of fiber damage when cleaning or patching fibers
- Ships ready to install with cable clamp kit and miscellaneous accessories
- Upper and lower entry/exit points for feeder/customer premise cables
- Larger design facilitates ease of access in the environments product is deployed and is accessible using a standard can wrench
- Pre-loaded for patch and splice or patch only applications

Investment

- Scalable to 96 distributed ports and 12 feeder ports of fiber using Clearview Cassettes loaded with the interface of your choice
- Pre-configured/pre-loaded factory terminated assemblies
- Box can be configured as a tie box and later converted to patch only or patch and splice, utilizing the Clearview Cassette

FieldSmart® Fiber Delivery Point (FDP)

Indoor 96-Port PON Wall Box



Technical Specifications

FieldSmart Indoor 96-Port PON Wall Box	
Dimensions	14.97" H x 27.31" W x 10.78" D (380.24 mm x 693.67 mm x 273.81 mm)
Port Density	Up to 96 distributed ports and 12 feeder ports
Cassette Types Supported	Clearview® Blue
Connector Types	SC/UPC, SC/APC, LC/UPC, LC/APC, FC/UPC, FC/APC, ST/UPC, MPO
Cable Types	Indoor Riser, Indoor Plenum, Indoor/Outdoor
Splice Capacity	12 or 24 splice configurations in each Clearview Cassette
Storage Capacity	One meter of 900 µm fiber and up to 5 meters of jacketed fiber
Material	18 gauge cold rolled steel (almond powder coating)

Configured Part Numbers

W _____ - _____ - _____ - _____ - Z Z _____ XXXM or XXXF

1 2 3 4 5 6 7

1 Select Wall Panel Style

M = Patch only
N = Patch and Splice
P = Tie panel

2 Select Clearview Cassette

B = Clearview Blue

3 Select Port Count

XXX = port count in increments of 12

4 Select Connector Style

A = SC/UPC J = FC/UPC
C = SC/APC K = FC/APC
F = LC/UPC M = ST/UPC
H = LC/APC

5 Select Mode / Type

1 = Singlemode, non ribbon
2 = Singlemode, ribbon
3 = Multimode (62.5)
9 = No fiber – multimode
0 = No fiber - singlemode

6 Select Cable Construction

A = Indoor riser rated (IFC)
B = OSP riser rated
C = Indoor, plenum rated (IFC)
E = OSP (non-rated)
F = Patch and splice (loose tube)
M = OSP (non-rated armored)
Z = None or patch and splice (ribbon)

7 Select Cable Exit *

2 = Top left
4 = Bottom left
Z = N/A – use for patch and splice

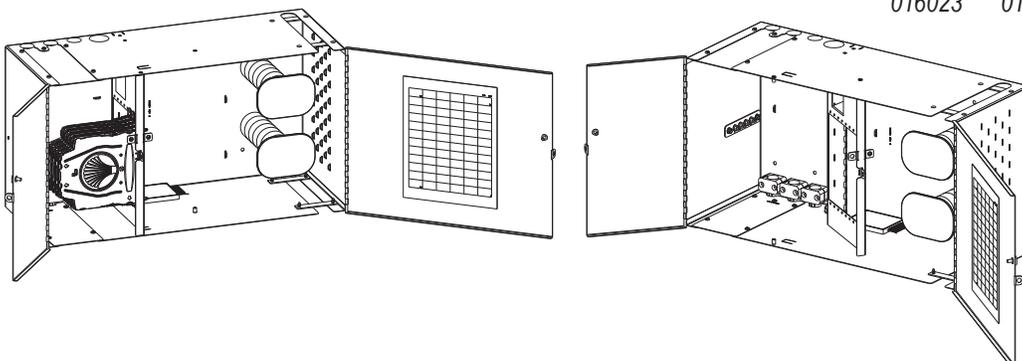
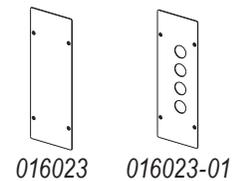
XXXM or XXXF

XXXM = Length in meters
XXXF = Length in feet

** Cable exit is defined by which direction the cable exits the panel when viewing it from the front.*

Accessories

- Ruggedized Splitter
- Dust Cover Plates (016023) - plate kit includes two plates and eight screws
- Plate Kit (016023-01) - plate kit includes two plates, eight screws and eight rubber hole plugs



FieldSmart® Fiber Delivery Point (FDP)

Indoor 144-Port Wall Box



Application

The 144 Port Indoor Wall Box has been optimized for MDU applications. With the Clearview® Cassette at its heart, the FieldSmart FDP 144 Port Wall Box gives service providers plug-and-play integration based upon the configuration requirements of their application. Starting from 12 ports, users can easily scale their networks using the same consistent Clearview Cassette deployment strategy. With a compact 24" x 26" x 8" (609.60 mm x 660.40 mm x 203.20 mm) footprint, this wall box is perfect for the deployment of FTTH networks in an MDU environment. With the ability to house up to six ruggedized splitters, the wall box supports PON applications, as well as fiber demarcations.

Description

The FieldSmart Fiber Delivery Point (FDP) 144 Port Indoor Wall Box is Clearview optimized, allowing the user to easily scale from 12 to 144 distributed ports and 24 feeder ports. Utilizing Clearview Cassettes, the product is shipped and loaded with the industry standard adapters. It is preloaded for patch only, patch and splice (Clearfield's in-cassette splicing solution) and MPO plug-and-play applications and supports all cable constructions for the inside or outside plant. It is ring-cut or mid-span capable, allowing for the distribution cables to be daisy-chained and for fiber hand-off through the riser. The box has a swinging bulkhead for rear-access to the cassettes, security enabled doors for extra protection and a solid enclosure to protect fiber terminations from damage. Designed from conception to provide fast, easy fiber jumper routing and ease of access to all circuits, the wall box system is craft-friendly, keeping the installer's needs for quick deployment, intuitive use and ease of maintenance as the top priority.

Features and Benefits

Integrity

- Terminations are designed and tested to Telcordia GR-326
- Clearfield® FiberDeep® Guarantee: 0.2 dB insertion loss or less, exceeding industry standards
- Designed to comply to Telcordia GR-20 and GR-409
- Supports all industry standard singlemode and multimode connectors
- 100% performance tested for insertion loss, return loss and final mechanical inspect

Protection

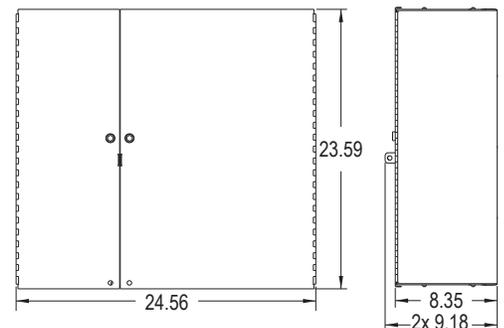
- Radius protected storage for up to five meters of jacketed fiber or patch cord slack is provided (patch side)
- Rugged steel construction with security enabled doors provide protection from tampering or inadvertent damage with industry standard can wrench fasteners
- Integrated fiber management protects fiber from micro-bend and macro-bend damage
- A grounding lug is included
- Secondary locking fasteners for optional padlock

Access

- Removable doors and non-angled connectors enable easy fiber jumper routing, reducing the risk of fiber damage
- Upper and lower entry/exit points for feeder/customer premise cables
- Larger design facilitates ease of access in the environments product is deployed and is accessible using a standard can wrench
- Pre-loaded for patch and splice or patch only applications

Investment

- Scalable to 144 distributed ports and 24 feeder ports of fiber using Clearview Cassettes loaded with the interface of your choice: user-defined feeder/distribution port counts
- Pre-configured/pre-loaded factory terminated assemblies
- Box can be configured as a tie box and later converted to patch only or patch and splice, utilizing the Clearview Cassette



FieldSmart® Fiber Delivery Point (FDP)

Indoor 144-Port Wall Box



Technical Specifications

FieldSmart Indoor 144 Port Wall Box	
Dimensions	23.59" H x 24.56" W x 8.35" D (599.19 mm x 623.82 mm x 212.09 mm)
Port Density	Up to 144 distributed ports and 24 feeder ports
Cassette Types Supported	Clearview® Blue
Connector Types	SC/UPC, SC/APC, LC/UPC, LC/APC, FC/UPC, FC/APC, ST/UPC, MPO
Cable Types	Indoor Riser, Indoor Plenum, Indoor/Outdoor
Splice Capacity	12 or 24 splice configurations in each Clearview Cassette
Storage Capacity	One meter of 900 µm fiber and up to 5 meters of jacketed fiber
Material	18 gauge cold rolled steel (almond powder coating)

Configured Part Numbers

W _____ - _____ - _____ - Z Z _____ XXXM or XXXF

1 2 3 4 5 6 7

1 Select Wall Mount Style

J = Patch only
K = Patch and splice
L = Tie panel

2 Select Clearview Cassette

B = Clearview Blue

3 Select Port Count

XXX = Port count in increments of 12

4 Select Connector Style

A = SC/UPC J = FC/UPC
C = SC/APC K = FC/APC
F = LC/UPC M = ST/UPC
H = LC/APC

5 Select Mode / Type

1 = Singlemode, non-ribbon
2 = Singlemode, ribbon
3 = Multimode (62.5)
9 = No fiber – multimode
0 = No fiber – singlemode

6 Select Cable Construction

A = Indoor riser rated (IFC)
B = OSP riser rated
C = Indoor, plenum rated (IFC)
E = OSP (non-rated)
M = OSP (armored, non-rated)
F = Patch and splice (loose tube)
Z = None or patch and splice (ribbon)

7 Select Cable Exit *

2 = Top left
4 = Bottom left
Z = None or patch and splice (ribbon)

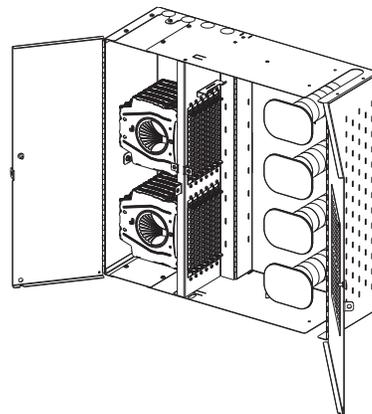
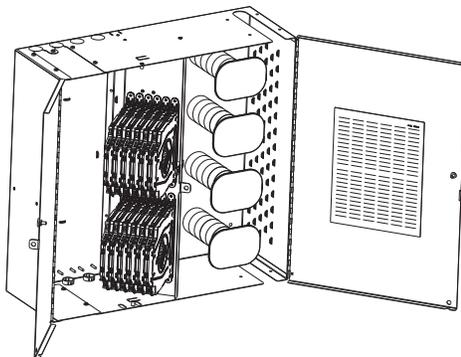
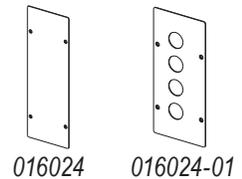
XXXM or XXXF

XXXM = Length in meters
XXXF = Length in feet

* Cable exit is defined by which direction the cable exits the panel when viewing it from the front.

Accessories

- Ruggedized Splitter
- Dust Cover Plates (016024) - plate kit includes two plates and eight screws
- Plate Kit (016024-01) - plate kit includes two plates, eight screws and eight rubber hole plugs



FieldSmart® Fiber Delivery Point (FDP)

Indoor 144-Port PON Wall Box

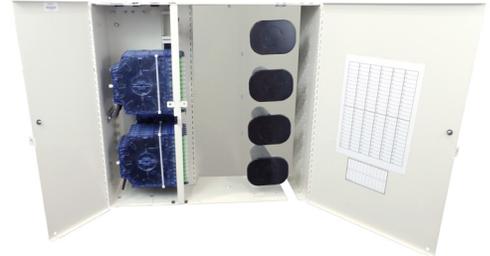


Application

The 144 Port PON Indoor Wall Mount Panel has been optimized for MDU applications. With the Clearview® Cassette at its heart, the FieldSmart FDP 144 Port PON Wall Mount Panel gives service providers plug-and-play integration based upon the configuration requirements of their application. Starting from 12 ports, users can easily scale their networks using the same consistent Clearview Cassette deployment strategy. It is able to support six splitters in a compact 24" x 26" x 8" footprint, this wall mount panel is perfect for the deployment of FTTH networks in an MDU environment.

Description

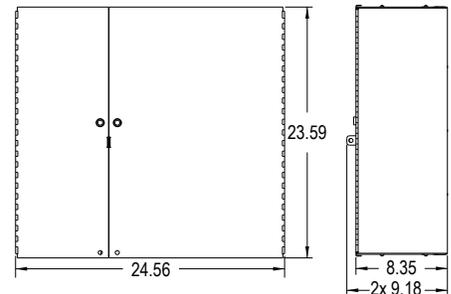
The FieldSmart Fiber Delivery Point (FDP) 144 Port Indoor Wall Mount Panel is Clearview optimized, allowing the user to easily scale from 12 to 144 ports. Utilizing Clearview Cassettes, the product is shipped and loaded with the industry standard adapters. It is preloaded for patch only, patch and splice and MPO plug-and-play applications and supports all cable constructions for the inside or outside plant. It is ring-cut or mid-span capable, allowing for the distribution cables to be daisy-chained and for fiber hand-off through the riser. The panel has a swinging bulkhead for rear-access to the cassettes, security enabled doors for extra protection and a solid enclosure to protect fiber terminations from damage. Inner panel of bulkhead holds two cassettes for up to 24 feeder ports and dual cages hold up to 6 splitters. Designed from conception to provide fast, easy fiber jumper routing and ease of access to all circuits, the Wall Mount Panel system is craft-friendly, keeping the installer's needs for quick deployment, intuitive use and ease of maintenance as the top priority.



Features and Benefits

Integrity

- Terminations are designed and tested to Telcordia GR-326
- Clearfield® FiberDeep® Guarantee: 0.2 dB insertion loss or less, exceeding industry standards
- Compliant to Telcordia GR-20 and GR-409
- Supports all industry standard singlemode and multimode connectors
- 100% performance tested for insertion loss, return loss and final mechanical inspect



Protection

- Radius protected storage for up to five meters of jacketed fiber or patch cord slack is provided (patch side)
- Rugged steel construction with security enabled doors provide protection from tampering or inadvertent damage with industry standard can wrench fasteners
- Integrated fiber management protects fiber from micro-bend and macro-bend damage
- A grounding lug is included
- Secondary locking fasteners for optional padlock

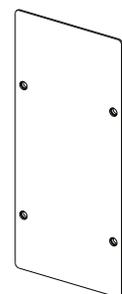


Access

- Removable doors and non-angled connectors enable easy fiber jumper routing, reducing the risk of fiber damage
- Upper and lower entry/exit points for feeder/customer premise cables
- Larger design facilitates ease of access in the environments product is deployed and is accessible using a standard can wrench
- Pre-loaded for patch and splice or patch only applications

Investment

- Scalable to 144 distribution ports of fiber using Clearview Cassettes loaded with the interface of your choice
- Up to 24 feeder ports
- Built in cages hold up to 6 splitters
- Pre-configured/pre-loaded factory terminated assemblies
- Panel can be configured as a tie panel and later converted to a patch only or a patch and splice panel, utilizing the Clearview Cassette



016024 - Plate Kit
includes two plates and eight screws

FieldSmart® Fiber Delivery Point (FDP)

Indoor 144-Port PON Wall Box



Technical Specifications

FieldSmart Indoor 144 Port PON Wall Mount Panel	
Dimensions	23.59" H x 24.56" W x 8.35" D (599.19 mm x 623.82 mm x 212.09 mm)
Port Density	Distribution: Up to 144 ports
	Feeder: Up to 24 ports
Cassette Types Supported	Clearview® Blue and Clearview Classic
Connector Types	SC/UPC, SC/APC, LC/UPC, LC/APC, FC/UPC, FC/APC, ST/UPC, MPO
Cable Types	Indoor Riser, Indoor Plenum, Indoor/Outdoor
Splice Capacity	12 splices in each Clearview Cassette
Storage Capacity	One meter of 900 µm fiber and up to 5 meters of jacketed fiber
Material	18 gauge cold rolled steel (almond powder coating)
Splitter Capacity	Up to 6 ruggedized splitters

Configured Part Numbers

W _____ - _____ - _____ - A _____ XXXM or XXXF

1 2 3 4 5 6 7 8

1 Select Wall Mount Style

J = Patch only
K = Patch and splice
L = Tie panel

2 Select Clearview Cassette

B = Clearview Blue

3 Select Port Count

XX X = Port count in increments of 12

4 Select Connector Style

A = SC/UPC J = FC/UPC
C = SC/APC K = FC/APC
F = LC/UPC M = ST/UPC
H = LC/APC

5 Select Mode / Type

1 = Singlemode, non-ribbon
2 = Singlemode, ribbon
3 = Multimode (62.5)
9 = No fiber – multimode
0 = No fiber – singlemode

6 Select Cable Construction

A = Indoor riser rated (IFC)
B = OSP riser rated
C = Indoor, plenum rated (IFC)
E = OSP (non-rated)
M = OSP (armored, non-rated)
F = Patch and splice (loose tube)
Z = None or patch and splice (ribbon)

7 Select Feeder

A = 12 port feeder cassette patch only 144 box
B = 24 port feeder cassette 144 box only
Z = No feeder

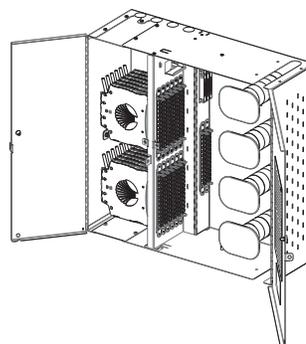
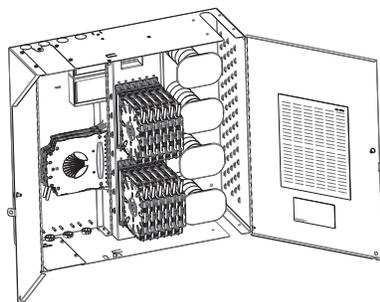
8 Select Cable Exit *

2 = Top left
4 = Bottom left
Z = None or patch and splice (ribbon)

XXXM or XXXF

XXXM = Length in meters
XXXF = Length in feet

* Cable exit is defined by which direction the cable exits the panel when viewing it from the front.



Application

Carriers are faced with many challenges when cabling MDUs in both existing (brownfield) and new construction (greenfield). One such challenge is how to manage incoming duct, while supporting varying number of subscribers in different configurations with slack management while also reducing installation time. Clearfield's YOURx Flex Box addresses these challenges with a flexible and scalable solution all within a single wall box.

Description

The YOURx Flex Box is a secure, modular wall box with slide-in aggregator plate that supports multiple cable entries like, individual fiber cables, conduit and microduct in an organized manner. Installers simply push the microduct into the aggregator plate and they are ready to pull fiber. Slack storage is provided for both incoming and outgoing fiber in separate areas to reduce service interruptions when turning up additional subscribers. The drop wheel feature accommodates up to 16 individual drop wheel assemblies with each drop wheel supporting up to a 200' (60.96 m) of FieldShield® StrongFiber storage. The SmartRoute Plate can also be mounted in the Flex Box, providing spool technology and MPO connectorization. Using the Clearview® Cassette, Drop Wheel assembly or SmartRoute Plate allows for a plug-and-play concept which reduces installation time.

Features and Benefits

Integrity

- Utilizes the Clearview Blue Cassette, Clearview xPAK and FieldShield Drop Wheel
- 1" inside mounting hole pattern for multiple applications
- Dual snap ensures lid secures to box

Protection

- Security screw with ability to secure with padlock
- Gasket seal
- Grounding lug included

Access

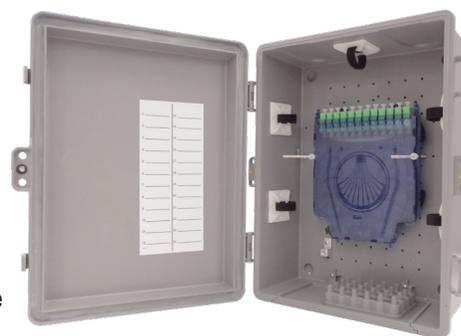
- Internal mounting holes for easy installation
- Top and bottom entry/exit points
- Reversible door allows for dual direction mounting

Investment

- Scalable
- Slide-in aggregator plates eliminate the need for additional duct organizer
- Clearview Cassette, Clearview xPAK, Drop Wheel or SmartRoute Plate

Technical Specifications

YOURx Flex Box	
Dimensions	15.66" H x 12.00" W x 5.38" D (397.76 mm x 304.80 mm x 136.65 mm)
Material	UV rated, flame retardant, V0 rated
Port Density	Four cassettes (48 ports), up to 16 in drop wheel, SmartRoute Plate 24 port
Connectivity Types	Clearview® Blue, Drop Wheel, SmartRoute Plate
Aggregator Plate	Duct Plate supports (24) 10/6 mm and (2) 14/10 mm microduct. Combo Plate supports (24) 10/6 mm microduct. PON Plate supports (32) 10/6 mm microduct. Blank Plate supports 2 conduit.
Drop Wheel	Fiber type - FieldShield® StrongFiber
Drop Wheel Connector	Pullable SC/APC and SC/UPC to standard SC/APC and SC/UPC
Drop Wheel Cable Length	200 feet (60.96 m) FieldShield StrongFiber
Drop Wheel Material	Black Thermoplastic



Flex Box with Clearview Blue



Flex Box with Pigtail Assembly



Flex Box with Drop Wheel

Modules



Patch and Splice Cassette



MPO Cassette



Empty Cradle Assembly
No Drop Wheels - MPO



Empty Cradle Assembly
No Drop Wheels - Splitter



Cradle Assembly with Drop
Wheels Installed

Plates



Blank Plate
Supports 2 3/8 Hole



Universal Plate



Combo Plate With
Universal Grommet
Plate



Combo Plate
Includes 3/4" Sealcon



Duct Plate



PON Plate
Includes 1/2" Sealcon

Configured Part Numbers

W Q _____ - _____ - _____ Z Z _____
 1 2 3 4 5 6 7

1 Select Module Type

B = Cassette — Customer Splice
 C = Empty Cradle Assembly Input Male MPO
 E = Empty Cradle Assembly with Splitter,
 Input SC/APC
 M = Loaded Cradle Assembly Input Male MPO
 N = Cassette — Input Male MPO
 S = Loaded Cradle Assembly With Splitter,
 Input SC/APC

2 Select Output Port Count

If Cassette:
 012 = 12 ports
 024 = 24 ports
 036 = 36 ports
 048 = 48 ports
If Drop Wheel:
 004 = 4 ports
 008 = 8 ports
 012 = 12 ports
 016 = 16 ports

3 Select Output Connector Type

If Cassette:
 A = SC/UPC
 C = SC/APC
 F = LC/UPC
 H = LC/APC
If Drop Wheel:
 A = SC/UPC
 C = SC/APC

4 Select Fiber Mode: Type Inside Module

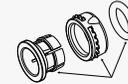
1 = Cassette or Cradle SM Loose Tube
 2 = Cassette SM Ribbon

5 Select Jacket Construction

F = Cassette — Loose Tube
 S = Drop Wheel — 900 μm StrongFiber
 Z = Cassette — Ribbon

6 Select Aggregator Plate

B = Blank Plate
 C = Combo Plate
 D = Duct Plate
 E = Combo – No FlexPorts
 G = Duct – No FlexPorts
 J = Combo Plate with Grommet
 P = PON Plate
 U = Blank Plate with Grommets



* 10/6 mm FlexPorts will match the port count selected in #2.

7 Select Drop Wheel Length

200F = StrongFiber on Drop Wheel
 Leave Blank = If using Cassette or Drop
 Wheel Cradle

Pre-Configured Part Numbers

Flex Box Empty Without FlexPort Fittings

Part Number	Description
FDP-xWBF-BPLATE	Empty Flex Box with blank plate and cable management kit.
FDP-xWBF-CPLATE	Empty Flex Box with combo plate and cable management kit. No FlexPort fittings.
FDP-xWBF-CPLATE-24	Empty Flex Box with combo plate and cable management kit. Loaded with 24 FlexPort fittings.
FDP-xWBF-DPLATE	Empty Flex Box with duct plate and cable management kit. No FlexPort fittings.
FDP-xWBF-DPLATE-24	Empty Flex Box with duct plate and cable management kit. Loaded with 24 FlexPort fittings.
FDP-xWBF-PPLATE-32	Empty Flex Box with PON plate and cable management kit. Loaded with 32 FlexPort fittings.
FDP-xWBF-UPATE	Empty Flex Box with universal plate and cable management kit.
FDP-xWBF-UCPLATE	Empty Flex Box with universal grommet combo plate and cable management kit.



Individual Drop Wheel

Part Number	Description
DW-001-SCU-SCU 200F	Drop wheel, loaded with loaded with 200 feet (60.96 m) FieldShield StrongFiber, terminated with pullable SC/UPC to SC/UPC connectors
DW-001-SCA-SCA 200F	Drop wheel, loaded with loaded with 200 feet (60.96 m) FieldShield StrongFiber, terminated with pullable SC/APC to SC/APC connectors



Flex Box with Pigtail Assembly

Configured Part Numbers with Pigtail Assembly

W Q B - - - - - Z Z XXXXF or XXXXM

1 2 3 4 5

1 Select Output Port Count

- 012 = 12 ports
- 024 = 24 ports
- 036 = 36 ports
- 048 = 48 ports

2 Select Output Connector Type

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

3 Select Fiber Jacket Construction

- 1 = Singlemode, Loose Tube
- 2 = Singlemode, Ribbon

4 Select Cable Type

- A = IFC Riser
- B = OSP Riser Rated
- C = IFC Plenum
- E = OSP (Non-rated)
- M = OSP (Armored, Non-rated)
- T = FLATdrop (Non-toneable)
- W = FieldShield

5 Select Aggregator Plate

- B = Blank Plate
- C = Combo Plate — with Flexports
- E = Combo Plate — NO Flexports

XXXXF = Length in Feet XXXXM
= Length in Meters

Example: 200 Ft. Cable = 0200F

* 10/6mm Flexports will match the port count selected in #1



FlexPort Fitting for Duct Plate
and Combo Plate 10 mm Qty: 1
P/N 016280



FlexPort Fitting 14mm for Duct Plate
Qty: 1
P/N 018107



FlexPort Fitting for Blank Plate, 10
mm Qty: 1 (Requires Drilled 1/2 Hole)
P/N 018835



Hole Plug

Accessories

Part Number	Description
016280-06	FlexPort Fitting for Combo and Duct Plate, 10 mm, Quantity - 6
016280-12	FlexPort Fitting for Combo and Duct Plate, 10 mm, Quantity - 12
018835	FlexPort Fitting for Blank Plate (Requires Drilled 1/2 Hole), 10 mm, Quantity - 1
018107	FlexPort Fitting for Duct Plate, 14 mm, Quantity - 1
018664	Plug, FlexPort, 10 mm
018665	Plug, FlexPort, 14 mm

SmartRoute Plate - Fits Inside Flex Box

How to Order:

1. Order Empty Box
2. Order Configured SmartRoute Plate



SmartRoute Plate

Configured Part Numbers with Pigtail Assembly

S R P -

1 2 3 4 5 6 7 8

1 Select Front Connector Type

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

2 Select Cable Type

1 = SM stranded non-ribbon, plenum rated
3 = MM stranded non-ribbon, plenum rated

3 Select Cable Construction

Y = IFC Plenum
W = FieldShield

4 Select Number of Fibers

1 = 12 Fibers
3 = 6 Fibers

5 Select Rear Connector Type

A = SC/UPC
C = SC/APC
F = LC/UPC
H = LC/APC
N = MPO Male Pushable
P = MPO Female Pushable
Z = None

6 Select Rear Breakout

B = 1 meter
C = 1/2 meter
Z = None

7 Select Rear Upjacketing

A = 900 μm
B = 2mm
Z = None

8 Select Length

1 = 25 feet (7.62 mm)
2 = 50 feet (15.24 mm)
3 = 75 feet (22.86 mm)
4 = 100 feet (30.48 mm)
5 = 125 feet (38.10 mm)
6 = 150 feet (45.72 mm)
7 = 175 feet (53.34 mm)
8 = 200 feet (60.94 mm)

FieldShield® StrongFiber Drop Wheel



Application

Carriers are faced with key challenges when cabling for both brownfield and greenfield MDU deployments. The challenges are varied and include how to install multiple drops from a single connection point when distances are unknown, accommodating slack storage and ensuring alignment of capital investment with customer take rates in a plug-and-play design.

Description

FieldShield StrongFiber Drop Wheel assemblies address these key challenges with a compact, scalable and flexible quick-deploy platform. The end to end plug-and-play solution utilizes a spool concept with 200 feet (60.96 m) of StrongFiber that is preterminated with a pullable SC/APC or SC/UPC connector. The drop wheel is easily deployed by extending the wheel from the cradle and pulling the fiber through the microduct or conduit. Once the pullable connector reaches its destination, the connector is mated to an adapter or directly into an ONT, providing a complete plug-and-play solution. Any remaining slack is stored and managed on the Drop Wheel. The Drop Wheel reduces turn-up time by offering a faster, simplified and splice-free installation which can be performed by a general technician.

Cradle assemblies can be configured to ship unpopulated, allowing for individual drop wheels to be purchased separately to scale and align capital investment with subscriber revenue. Cradle assemblies have the option to be configured with splitters or MPO connector for speedy installations.



Features and Benefits

Integrity

- Terminations are designed and tested to Telcordia GR-326
- Clearfield FiberDeep® Guarantee: 0.2 dB insertion loss or less, exceeding industry standards
- Supports singlemode SC connectors

Protection

- Craft friendly spool technology allows installers to pull the exact amount of cable required
- FieldShield StrongFiber bend-insensitive (G.657.A2) fiber protects optical signal with minimal to zero attenuation
- Lightweight with low coefficient of friction to maximize pull distances

Access

- Black in color
- Spooled with small form factor 900 μm
- Indoor implementations

Investment

- Pre-terminated cable spools reduce upfront deployment costs by simplifying site survey inspections
- Scalable, quick and easy deployment allows capital investment to align with customer take rates



Empty Drop Wheel Cradle

+



Individual Drop Wheel

=



FieldShield Loaded Drop Wheel Assembly

FieldShield® StrongFiber Drop Wheel



Technical Specifications

FieldShield StrongFiber Drop Wheel	
Drop Wheel Fiber Type	FieldShield StrongFiber
Connectors	Pullable SC/APC or SC/UPC to Standard SC/APC or SC/UPC
Cable Length	200 feet (60.96 m) per wheel
Drop Wheel Material	Black Thermoplastic
Drop Wheel Radius	4.55 inches (115.57 mm)
Drop Wheel Cradle Dimensions	4 Position: 5.3" H x 3.3" W (134.62 mm x 83.82 mm) 8 Position: 5.3" H x 5.6" W (134.62 mm x 142.24 mm) 12 Position: 5.3" H x 7.8" W (134.62 mm x 198.12 mm) 16 Position: 5.3" H x 10.1" W (134.62 mm x 256.54 mm)

Pre-Configured Part Numbers

Empty Drop Wheel Cradle with Installed Splitter

Part Number	Description
DWC-SCU4-Splitter	Empty 4 position Drop Wheel Cradle with 1 x 4 splitter installed with SC/UPC adapters, no Drop Wheels
DWC-SCA4-Splitter	Empty 4 position Drop Wheel Cradle with 1 x 4 splitter installed with SC/APC adapters, no Drop Wheels
DWC-SCU8-Splitter	Empty 8 position Drop Wheel Cradle with 1 x 8 splitter installed with SC/UPC adapters, no Drop Wheels
DWC-SCA8-Splitter	Empty 8 position Drop Wheel Cradle with 1 x 8 splitter installed with SC/APC adapters, no Drop Wheels
DWC-SCU12-Splitter	Empty 12 position Drop Wheel Cradle with 1 x 12 splitter installed with SC/UPC adapters, no Drop Wheels
DWC-SCA12-Splitter	Empty 12 position Drop Wheel Cradle with 1 x 12 splitter installed with SC/APC adapters, no Drop Wheels
DWC-SCU16-Splitter	Empty 16 position Drop Wheel Cradle with 1 x 16 splitter installed with SC/UPC adapters, no Drop Wheels
DWC-SCA16-Splitter	Empty 16 position Drop Wheel Cradle with 1 x 16 splitter installed with SC/APC adapters, no Drop Wheels

Empty Drop Wheel Cradle with MPO Installed

Part Number	Description
DWC-SCU4-MPO	Empty 4 position Drop Wheel Cradle with male MPO installed with SC/UPC adapters, no Drop Wheels
DWC-SCA4-MPO	Empty 4 position Drop Wheel Cradle with male MPO installed with SC/APC adapters, no Drop Wheels
DWC-SCU8-MPO	Empty 8 position Drop Wheel Cradle with male MPO installed with SC/UPC adapters, no Drop Wheels
DWC-SCA8-MPO	Empty 8 position Drop Wheel Cradle with male MPO installed with SC/APC adapters, no Drop Wheels
DWC-SCU12-MPO	Empty 12 position Drop Wheel Cradle with male MPO installed with SC/UPC adapters, no Drop Wheels
DWC-SCA12-MPO	Empty 12 position Drop Wheel Cradle with male MPO installed with SC/APC adapters, no Drop Wheels
DWC-SCU16-MPO	Empty 16 position Drop Wheel Cradle with male MPO installed with SC/UPC adapters, no Drop Wheels
DWC-SCA16-MPO	Empty 16 position Drop Wheel Cradle with male MPO installed with SC/APC adapters, no Drop Wheels

Individual Drop Wheel - To Be Installed into Empty Cradle

Part Number	Description
DW-001-SCU-SCU 200F	Drop Wheel loaded with 200' (60.96 m) FieldShield StrongFiber SC/UPC
DW-001-SCA-SCA 200F	Drop Wheel loaded with 200' (60.96 m) FieldShield StrongFiber SC/APC

FieldShield®

StrongFiber Drop Wheel



Loaded Drop Wheel Cradle with Installed Splitter

Part Number	Description
DW-SCX4U-Splitter	Loaded 4 position Drop Wheel Cradle with 1 x 4 splitter installed with SC/UPC adapters, includes Drop Wheels
DW-SCX4-Splitter	Loaded 4 position Drop Wheel Cradle with 1 x 4 splitter installed with SC/APC adapters, includes Drop Wheels
DW-SCX8U-Splitter	Loaded 8 position Drop Wheel Cradle with 1 x 8 splitter installed with SC/UPC adapters, includes Drop Wheels
DW-SCX8-Splitter	Loaded 8 position Drop Wheel Cradle with 1 x 8 splitter installed with SC/APC adapters, includes Drop Wheels
DW-SCX12U-Splitter	Loaded 12 position Drop Wheel Cradle with 1 x 12 splitter installed with SC/UPC adapters, includes Drop Wheels
DW-SCX12-Splitter	Loaded 12 position Drop Wheel Cradle with 1 x 12 splitter installed with SC/APC adapters, includes Drop Wheels
DW-SCX16U-Splitter	Loaded 16 position Drop Wheel Cradle with 1 x 16 splitter installed with SC/UPC adapters, includes Drop Wheels
DW-SCX16-Splitter	Loaded 16 position Drop Wheel Cradle with 1 x 16 splitter installed with SC/APC adapters, includes Drop Wheels

Loaded Drop Wheel Cradle with MPO Installed

Part Number	Description
DW-SCU4-MPO	Loaded 4 position Drop Wheel Cradle with MPO installed with SC/UPC adapters, includes Drop Wheels
DW-SCA4-MPO	Loaded 4 position Drop Wheel Cradle with MPO installed with SC/APC adapters, includes Drop Wheels
DW-SCU8-MPO	Loaded 8 position Drop Wheel Cradle with MPO installed with SC/UPC adapters, includes Drop Wheels
DW-SCA8-MPO	Loaded 8 position Drop Wheel Cradle with MPO installed with SC/APC adapters, includes Drop Wheels
DW-SCU12-MPO	Loaded 12 position Drop Wheel Cradle with MPO installed with SC/UPC adapters, includes Drop Wheels
DW-SCA12-MPO	Loaded 12 position Drop Wheel Cradle with MPO installed with SC/APC adapters, includes Drop Wheels
DW-SCU16-MPO	Loaded 16 position Drop Wheel Cradle with MPO installed with SC/UPC adapters, includes Drop Wheels
DW-SCA16-MPO	Loaded 16 position Drop Wheel Cradle with MPO installed with SC/APC adapters, includes Drop Wheels

SmartRoute Plate



Application

The SmartRoute Plate is designed to fast-track and simplify fiber installations when landing up to 12 fibers in any environment. Clearfield's SmartRoute Plate combines cable, spooling technology and MPO connectorization in a stand-alone wall plate design. This allows for maximum flexibility and efficient use of available space. The compact design can be pre-configured to terminate up to 12 fibers. This SmartRoute is an ideal solution for use in MDUs, SFUs, cell towers and business class services.

Description

The SmartRoute Plate contains one internal spool that can hold up to 200 feet (60.96 m) of 3 mm, 12-fiber plenum micro-cable or 12-fiber FieldShield® Cable. The plate can provide up to 12 connections on the front of the spool with an MPO or pigtail breakouts on the back side of the spool.

Features and Benefits

Integrity

- Terminations are designed and tested to Telcordia GR-326
- Clearfield FiberDeep® Guarantee: 0.2 dB insertion loss or less, exceeding industry standards
- Supports all industry standard singlemode and multimode connectors
- 100% performance tested for insertion loss, return loss and final mechanical inspect

Protection

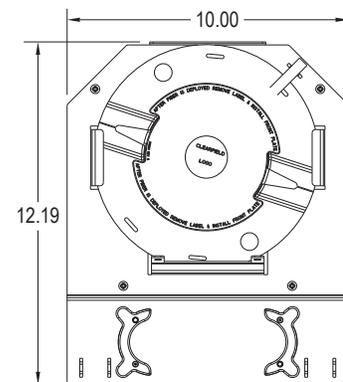
- Craft-friendly SmartRoute spool technology allows the installer to pullout the exact amount of cable required, and leaving the remaining slack safely stored on the spool

Access

- Wall mount
- Slack storage for drop cables

Investment

- Pre-connectorized options eliminate labor and speed network construction
- Scalable to 12 ports of fiber



Technical Specifications

SmartRoute Plate	
Dimensions	Plate: 12.1" H x 10" W x 2.8" D (304.80 mm x 254.00 mm x 71.12 mm)
Port Density	6 and 12 ports = SC, 6 ports = LC Duplex
Connector Types	SC/UPC, SC/APC, MPO, LC/UPC, LC/APC
Cable Types	Indoor Plenum Rated IFC/FieldShield®
Maximum Internal Spool Cable Length	200 feet (60.96 m)
Mounting Options	Wall Mount

Configured Part Numbers

S R - - - - -

1 2 3 4 5 6 7 8 9

1 Select Plate
P = Plate Only

2 Select Front Connector Type
A = SC/UPC
C = SC/APC
F = LC/UPC
H = LC/APC

3 Select Cable Type
1 = SM stranded non-ribbon, plenum rated
3 = MM stranded non-ribbon, plenum rated

4 Select Cable Construction
Y = IFC Plenum
W = FieldShield

5 Select Number of Fibers
1 = 12 Fibers
3 = 6 Fibers

6 Select Rear Connector Type
A = SC/UPC
C = SC/APC
F = LC/UPC
H = LC/APC
N = MPO Male Pushable
P = MPO Female Pushable
Z = None

7 Select Rear Breakout
B = 1 meter
C = ½ meter
Z = None

8 Select Rear Upjacketing
A = 900 µm
B = 2mm
Z = None

9 Select Length
1 = 25 feet (7.62 mm) 5 = 125 feet (38.10 mm)
2 = 50 feet (15.24 mm) 6 = 150 feet (45.72 mm)
3 = 75 feet (22.86 mm) 7 = 175 feet (53.34 mm)
4 = 100 feet (30.48 mm) 8 = 200 feet (60.96 mm)

FieldSmart® Fiber Delivery Point (FDP) SCD Wall Box for xPAK



Application

Engineered to land small port count fiber terminations and optical components as conveniently as possible, the FieldSmart FDP SCD Wall Box for xPAK is optimized for delivery of a single Clearview® xPAK with up to six fibers. The lockable, NEMA 4 rated enclosure is compact, making it ideal for a variety of applications, including harsh environment locations surrounding fiber demarcation, entrance facilities, FTTP drop boxes and cell backhaul. Additional applications include MDU, business class services, power and wind farms and DOT/Traffic monitoring.

Description

Optimized for use with the Clearview xPAK, the FieldSmart Small Count Delivery Wall Box for xPAK is ideal for any small count fiber scenarios where 2, 4 or 6 fibers are required in a discrete footprint without sacrificing fiber management. With the Small Count Delivery (SCD) platform, the Clearview xPAK and FieldSmart FDP SCD Wall Box for xPAK enclosure are packaged together to make landing small count fiber more cost-effective and efficient than previously thought possible. Standardizing on a craft-friendly, building block architecture reduces the operating costs of fiber deployment by reducing installation times and inventory carrying requirements.

Features and Benefits

Integrity

- RUS listed
- Utilizing the Clearview xPAK, it supports industry standard SC and LC singlemode connectors
- Dual snap locks to ensure lid seals to base
- Mounting hole pattern for multiple applications

Protection

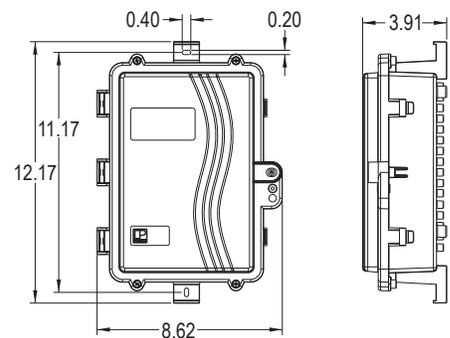
- Radius protected storage for up to 15 feet of buffer tube
- NEMA 4 rated
- Security screw with ability to secure with padlock
- Gasket seal
- Ground lug included

Access

- Small design facilitates ease of use in crowded environments
- Easy to install with both internal and external mounting holes
- Two bottom entry/exit points

Investment

- Patch and splice (Clearfield's in-cassette splicing solution) or patch only
- Surface or pole mount capable
- Flame retardant PVC for durability



FDP-xAK1

FieldSmart® Fiber Delivery Point (FDP) SCD Wall Box for xPAK



Technical Specifications

FieldSmart SCD Wall Box for xPAK	
Dimensions	12.17" H x 8.62" W x 3.91" D (309.11 mm x 218.94 mm x 99.31 mm)
Port Density	Up to six ports
Cassette Types Supported	Clearview® xPAK
Connector Types	SC/UPC, SC/APC, LC/UPC, LC/APC, FC/UPC, FC/APC, ST/UPC, MPO
Cable Types	Indoor Riser, Indoor Plenum, Indoor/Outdoor, Outdoor (Riser/Non-Rated), Outdoor Armored (Riser/Non-Rated), FieldShield®
Splice Capacity	Six splices in each Clearview xPAK
Storage Capacity	One meter of 900 μm fiber and up to 5 meters of jacketed fiber
Material	UV stabilized, flame retardant polymer (PVC)

Pre-Configured Part Numbers

Part Number	Description
FDP-xWB1	Wall box with 3/4 in. Sealcon fitting
FDP-xAK1	Optional accessory kit (includes one fitting and two strength member clamps)

Configured Part Numbers

W R Z - _____ - _____ - Z Z _____ XXXM or XXXF



1 Select Port Count

002 = 2 port 006 = 6 port
004 = 4 port 012 = 12 port (LC only)

2 Select Connector Style

A = SC/UPC H = LC/APC
C = SC/APC J = FC/UPC
F = LC/UPC M = ST/UPC

3 Select Mode / Type

1 = Singlemode, non ribbon
2 = Singlemode, ribbon

4 Select Cable Construction

A = IFC riser
B = OSP riser rated
C = IFC plenum
E = OSP (non-rated)
M = OSP (armored, non-rated)
T = Flat drop (non-toneable)
W = FieldShield

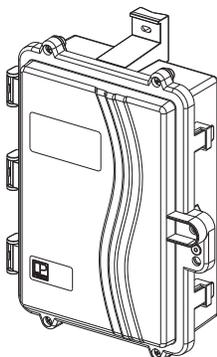
5 Select Cable Exit *

4 = Bottom left
7 = Bottom right

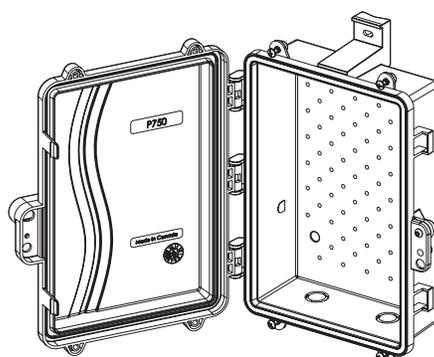
XXXXM or XXXF

XXXXM = Length in meters
XXXXF = Length in feet

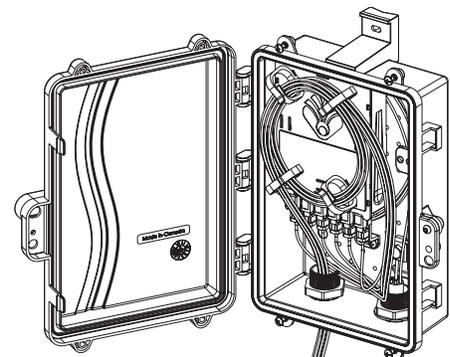
* Cable exit is defined by which direction the cable exits the panel when viewing it from the front.



Front - Closed



Front - Open



Front - Open
Loaded with Clearview xPAK

FieldSmart® Fiber Delivery Point (FDP)

Macro/Small Cell Wall Box



Application

Engineered to land small to medium fiber terminations in a convenient wall box design, the FieldSmart FDP Macro/Small Cell Wall Box is ideal for a variety of applications, including harsh environment locations surrounding fiber demarcation, entrance facilities, FTTP drop boxes and cell backhaul.

Description

The FieldSmart FDP Macro/Small Cell Wall Box comes with a factory-installed cable assembly, supporting up to 24 fibers. Factory-installed cable reduces the operating costs of fiber deployment by reducing installation times.

Features and Benefits

Integrity

- RUS listed
- Supports industry standard SC, LC and MPO singlemode connectors
- Dual snap locks to ensure lid seals to base
- NEMA 4 rated

Protection

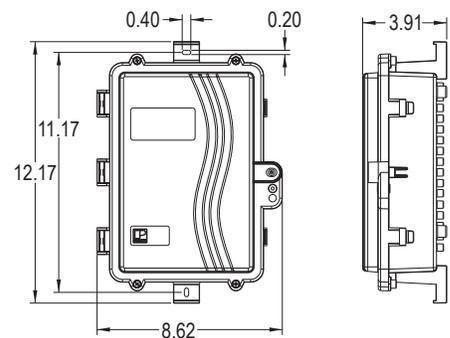
- Slack storage clips for both incoming and outgoing fibers
- Security screw with ability to secure with padlock
- Gasket seal
- Grounding lug included

Access

- Wall and pole mount
- Easy to install with both internal and external mounting holes
- Two bottom 3/4" (19.05 mm) entry/exit ports are supported with ship-along Sealcon connectors

Investment

- Pre-connectorized cable assemblies eliminate labor and speed network construction
- Patch only
- One box for a variety of application uses



FieldSmart® Fiber Delivery Point (FDP)

Macro/Small Cell Wall Box



Technical Specifications

FieldSmart FDP Macro/Small Cell Wall Box	
Dimensions	12.17" H x 8.62" W x 3.91" D (309.12 mm x 218.95 mm x 99.31 mm)
Port Density	Up to 24 LC ports
Connector Types	SC/UPC, SC/APC, LC/UPC, LC/APC, MPO
Cable Types	Indoor Riser, Indoor Plenum, Outdoor (Riser/Non-Rated), FieldShield®
Material	UV stabilized, flame retardant polymer (PVC)
Mounting Options	Wall and Pole Mount

Configured Part Numbers

W R A - - - Z Z 3 XXXM or XXXF

1 Select Port Count
006 = 6 ports
012 = 12 ports
024 = 24 ports (LC Only)

2 Select Connector Style
A = SC/UPC
C = SC/APC
F = LC/UPC
H = LC/APC

3 Select Mode/Type
1 = Singlemode, non-ribbon
2 = Singlemode, ribbon

4 Select Cable Construction
A = IFC Riser
B = OSP Riser Rated
C = IFC Plenum
E = OSP (non-rated)
M = OSP (armored, non-rated)

XXXM = Length in meters
XXXF = Length in feet

FieldSmart® Fiber Delivery Point (FDP) SCD Wall Box for Cassette



Application

Ideal for any small count fiber scenario, the FieldSmart Small Count Delivery (SCD) Wall Box for Cassettes accepts up to two Clearview® Cassettes, providing up to 24 fibers in a discrete footprint without sacrificing fiber management. Designed to land small port count fiber terminations and optical components as conveniently and inexpensively as possible, this flexible solution is perfectly suited for in-building needs, such as business class demarcations, MDU distribution points and IDF locations in enterprise networks as well as pole-mount applications in outside plant environments. When paired with a Clearview MPO Breakout Cassettes and a StrongFiber Deploy Reels, the FieldSmart SCD Wall Box provides a complete plug-and-play solution for the MDU environment.

Description

The FieldSmart SCD Wall Box for Cassettes complements the FieldSmart Fiber Delivery Point (FDP) Wall Box line, which provides three unique wall box designs that deliver 36 to 144 ports of fiber management in a traditional sheet-metal configuration. As a lower cost alternative to sheet-metal designs, this lockable, NEMA 4 rated enclosure is consistent with Clearfield's long-standing reputation of delivering simple solutions for complex problems.

Designed around the Clearview Cassette, the FieldSmart SCD Wall Box for Cassettes uses the same components as the other elements of the FieldSmart product platform. Slack storage is an integrated component of the solution with the Clearview U-Mount bracket accepting up to two Clearview Cassettes and providing up to feet (4.57 m) of buffer tube slack storage. Unique to Clearfield® design is the ability bring multiple fiber sheaths into the FieldSmart SCD Wall Box. Each sheath will be protected within their own Clearview Cassette, providing service providers the ability to isolate one fiber sheath from another within the same enclosure.

Features and Benefits

Integrity

- Utilizing the Clearview Cassettes, it supports industry standard SC and LC singlemode connectors
- Dual snap locks to ensure lid seals to base
- Mounting hole pattern for multiple applications

Protection

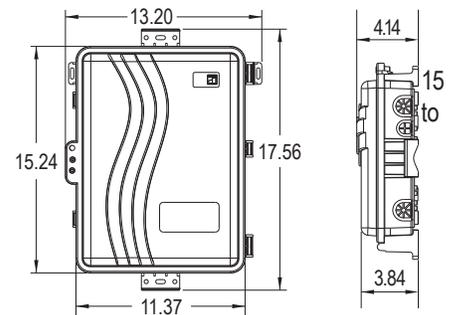
- Radius protected storage for up to 15 feet (4.57 m) of buffer tube
- NEMA 4 rated
- Security screw with ability to secure with padlock
- Gasket seal
- Ground lug included

Access

- Small design facilitates ease of use in crowded environments
- Easy to install with both internal and external mounting holes
- Two bottom entry/exit points

Investment

- Patch and splice (Clearfield's in-cassette splicing solution) or patch only
- Surface or pole mount capable
- Flame retardant PVC for durability



FieldSmart® Fiber Delivery Point (FDP) SCD Wall Box for Cassette



Technical Specifications

FieldSmart SCD Wall Box for Cassette	
Dimensions	17.56" H x 13.17" W x 3.84" D (446.02 mm x 334.52 mm x 97.54 mm)
Port Density	Up to 24 ports
Cassette Types Supported	Clearview® Blue
Connector Types	SC/UPC, SC/APC, LC/UPC, LC/APC, FC/UPC, FC/APC, ST/UPC, MPO
Cable Types	Indoor Riser, Indoor Plenum, Indoor/Outdoor, Outdoor (Riser/Non-Rated), Outdoor Armored (Riser/Non-Rated), FieldShield®
Splice Capacity	12 or 24 splice configurations in each Clearview Cassette
Storage Capacity	One meter of 900 μm fiber and up to 5 meters of jacketed fiber
Material	UV stabilized, flame retardant polymer (PVC)

Pre-Configured Part Numbers

Part Number	Description
FDP-xWB2-12-SCA-B	Wall Box with (12) SC/APC ports in one Clearview® Cassette
FDP-xWB2-12-SC-B	Wall Box with (12) SC/UPC ports in one Clearview Cassette
FDP-xWB2-12-LC-B	Wall Box with (12) LC/UPC ports in one Clearview Cassette
FDP-xWB2-12-LCA-B	Wall Box with (12) LC/APC ports in one Clearview Cassette
FDP-xWB2-24-SCA-B	Wall Box with (24) SC/APC ports in two Clearview Cassette
FDP-xWB2-24-SC-B	Wall Box with (24) SC/UPC ports in two Clearview Cassette
FDP-xWB2-24-LC-B	Wall Box with (24) LC/UPC ports in two Clearview Cassette
FDP-xWB2-24-LCA-B	Wall Box with (24) LC/APC ports in two Clearview Cassette

Configured Part Numbers

W S _____ - _____ - _____ - Z Z _____ XXXM or XXXF

1 2 3 4 5 6

1 Select Clearview Cassette
B = Clearview Blue

2 Select Port Count
012 = 12 port 024 = 24 port

3 Select Connector Style
A = SC/UPC H = LC/APC
C = SC/APC J = FC/UPC
F = LC/UPC M = ST/UPC

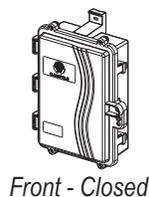
4 Select Mode / Type
1 = Singlemode, non ribbon
2 = Singlemode, ribbon

5 Select Cable Construction
A = IFC riser
B = OSP riser rated
C = IFC plenum
E = OSP (non-rated)
M = OSP (armored, non-rated)
T = Flat drop (non-toneable)
W = FieldShield

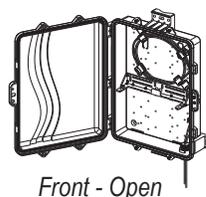
6 Select Cable Exit *
4 = Bottom left
7 = Bottom right
Z = None

XXXM or XXXF
XXXM = Length in meters
XXXF = Length in feet

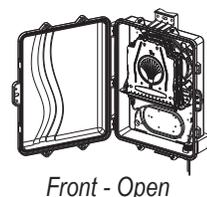
* Cable exit is defined by which direction the cable exits the panel when viewing it from the front.



Front - Closed



Front - Open



Front - Open
with Clearview Blue Cassette

FieldSmart®

Mini FEC Wall Box



Application

When an application requires splicing IFC (intra-facility) cable to an OSP (outside plant) cable and space is a concern, the FieldSmart Mini FEC Wall Box is your product of choice. The Mini FEC is a scalable wall box that has a maximum capacity of 96 loose tube splices with cable management and slack storage. Each splice tray comes equipped with a 24-fiber heat shrink fusion splice chip. The Mini FEC is an ideal solution for use in MDUs, SFUs, cell towers and business class services.

Description

The Mini FEC Wall Box can support both indoor and outdoor environments. Each Mini FEC comes equipped with industry standard splice trays, cable management clips, a ground lug and two ship-along cable clamps. Each splice tray can support 24 splices with a maximum capacity of four splice trays per wall box or 96 splices. Slack storage is available for up to 5' (1.52 m) per buffer tube and up to 5' (1.52 m) per IFC micro-distribution cable.



Features and Benefits

Integrity

- Industry standard splice tray
- NEMA 4 rated
- Material is high impact flame retardant PVC3 with high column strength and low-coefficient PBT

Protection

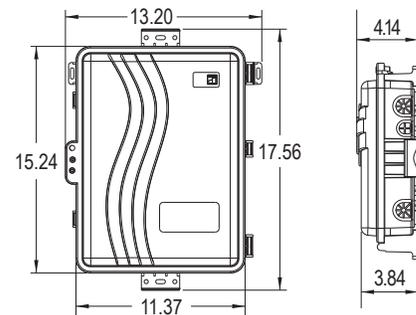
- Ruggedized storage clips
- Security screw with ability to secure with padlock
- Gasket seal

Access

- Wall mount capable
- Two bottom 3/4" (19.05 m) entry/exit ports
- Removable splice trays

Investment

- Splice trays support both loose tube and ribbon constructions for single and mass fusion (ribbon) splicing
- Scalable with 24 splices per tray loose tube or 72 splices per tray ribbon
- Complete cable management solution installed from the factory
- Two Sealcon connectors are included



FieldSmart®

Mini FEC Wall Box



Technical Specifications

FieldSmart Mini FEC Wall Box	
Dimensions	Inside: 15.24" H x 11.37" W x 4.14" D (387.09 mm x 288.80 mm x 105.16 mm)
Splice Density	96 loose tube heat shrink
Storage Capacity Per Cable	5' (1.52 m) of 3 mm loose tube buffer OSP; 5' (1.52 m) of 3 mm micro-distribution IFC
Mounting Options	Wall mount, pole mount
Material	High impact and flame retardant PVC3/ high column strength and low-coefficient PBT

Pre-Configured Part Numbers

Part Number	Splice Trays* Shipped	Splice Capacity
FDP-XWB2-24-FEC	1	24
FDP-XWB2-48-FEC	2	48
FDP-XWB2-72-FEC	3	72
FDP-XWB2-96-FEC	4	96

Individual Splice Trays

Part Number	Maximum Loose Tube Splice Capacity	Maximum Ribbon Splice Capacity
019339	24	72

FieldSmart® Fiber Delivery Point (FDP) KIS Outdoor Enclosure



Application

The FieldSmart Fiber Delivery Point (FDP) KIS Outdoor Enclosure is the first outdoor wall box optimized for Clearfield's FieldShield® Fiber delivery system and can be deployed in a variety of applications. Primarily designed for cell backhaul, the KIS box can be deployed as a stand-alone demarcation point or interconnect point either on or in-building for the carrier's presence at the cell site. It also provides ganging capabilities allowing one box to be dedicated to the provider and their long-haul cables, while accepting the carrier's cell traffic from a separate, secure and dedicated KIS box. With the ability to support any media in any splice or pre-terminated configuration, as well as, optical component integration within the Clearview® Blue Cassette, the KIS box is a flexible fiber solution for everything from the MDU to the antenna.

Description

The FieldSmart Fiber Delivery Point (FDP) KIS Outdoor Enclosure is a universal housing that can deliver fiber from a communications closet all the way to an antenna and everything in between. The FDP-KIS is optimized for pushable fiber and 10 mm microduct and will accommodate up to 48 ports of fiber terminations within a single, small package footprint. With a wide variety of mounting options (wall, pole, H-Frame) and multiple cable entrance/exit ports on all four sides of the unit, the FDP-KIS provides maximum flexibility in your installation and deployment into the network.

With overall dimensions of 14.65" H x 11" W x 4" D (372.11 mm x 279.40 mm x 101.60 mm), the FDP-KIS can be mounted in space constrained areas and has the ability to be "ganged together" to provide an excellent demarcation point for service providers to subscribers. Incorporating Clearfield's Clearview® Blue Cassette, with its integrated slack storage, the FDP-KIS provides the highest standard of fiber access and bend-radius protection. Used in conjunction with standard outside plant cable or optimized with FieldShield Pushable Fiber, Clearfield's FDP-KIS will reduce deployment/installation time allowing the provider to increase revenue providing services.

Features and Benefits

Integrity

- Terminations are designed and tested to Telcordia GR-326
- Clearfield® FiberDeep® Guarantee: 0.2 dB insertion loss or less, exceeding industry standards
- Supports all industry standard singlemode and multimode connectors
- 100% performance tested for insertion loss, return loss and final mechanical inspect

Protection

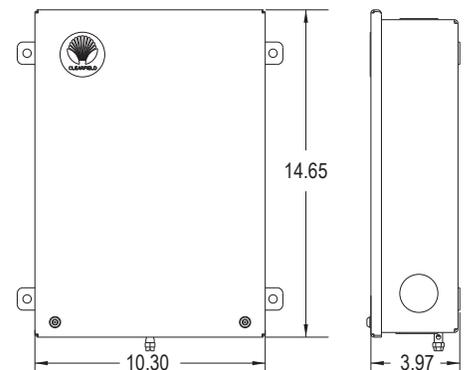
- 0.080 aluminum construction
- Almond powder polyester coating
- Designed to NEMA 4 requirements
- Sealed gasket on the cover makes the unit water/dust resistant
- Special pin in Hex Lock for security on the unit

Access

- Accommodates up to 4 Clearview Blue Cassettes
- Multiple cable entrance/exit ports (up to 6 different ports) – using "knockouts" on the box
 - Accepts up to 6 - 1½" (31.75 mm) couplers for conduit entrance into box
 - Accepts up to 6 - 10 mm FieldShield Microducts
- Mounting tabs located outside of box
- Grounding lug on bottom of box for external grounding

Investment

- Gangable mounting tabs allow multiple FDP-KIS units to mount together
- Scalable to 48 ports of fiber using Clearview Cassettes loaded with your choice of interface
- Pre-configured/pre-loaded factory terminated assemblies
- Patch only, patch and splice (Clearfield's in-cassette splicing solution), MPO plug-and-play and optical component configurations supported



FieldSmart® Fiber Delivery Point (FDP) KIS Outdoor Enclosure

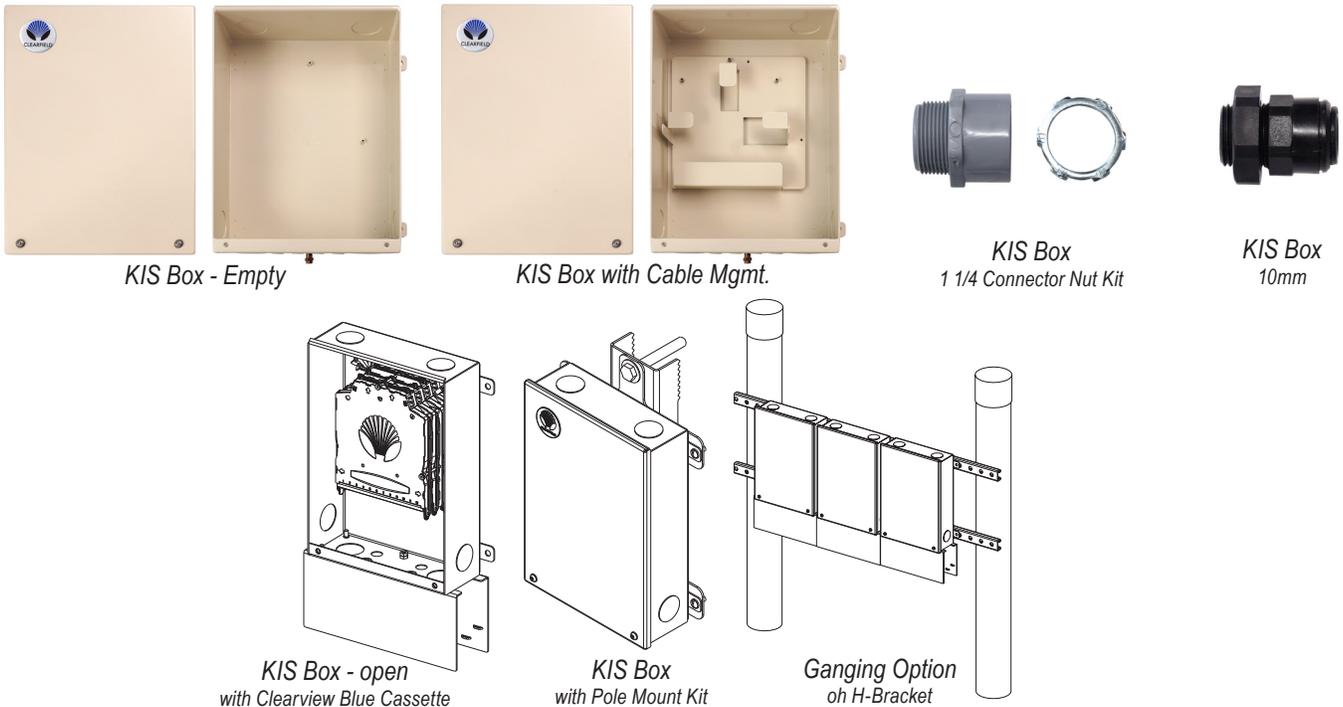


Technical Specifications

FieldSmart KIS Outdoor Enclosure	
Dimensions	14.65" H x 10.30" W x 3.97" D (372.11 mm x 261.62 mm x 100.84 mm) <i>Security Bracket (mounted on bottom of box for ganging applications) 14.78" H x 11.12" W x 3.97" D (375.41 mm x 282.45 mm x 100.84 mm)</i>
Port Density	Up to 48 ports
Cassette Types Supported	Clearview® Blue
Connector Types	SC/UPC, SC/APC, LC/UPC, LC/APC, FC/UPC, FC/APC, ST/UPC, MPO
Cable Types	Indoor Riser, Indoor Plenum, Indoor/Outdoor, Outdoor (Riser/Non-Rated), Outdoor Armored (Riser/Non-Rated), FieldShield®
Splice Capacity	12 splices in each Clearview Cassette
Storage Capacity	One meter of 900 µm fiber and up to 3 meters of jacketed fiber
Material	Aluminum with almond powder coating

Pre-Configured Part Numbers

Part Number	Description
W4B-000-Z0Z-ZZZ-SUB	Empty KIS Box holds up to four Clearview Blue Cassettes
W4B-000-Z0Z-ZZZ-01-SUB	KIS Box with Cable Management Bracket holds up to two Clearview Blue Cassettes
KIS-TROUGH-KIT	Optional security covers for bottom of KIS Box - can be mounted in ganging applications
KIS-ADAPT-KIT	Includes two 1¼" (31.75 mm) conduit fittings, nuts, two cable clamps and six 10 mm fittings for FieldShield Microduct
FMA-H4K- SUB	24/48 port pole mount kit
KIS-10MMCONN-NUT-KIT	Single 10 mm bulkhead connector and nut
KIS-1-1/4COND-NUT-KIT	1¼" (31.75 mm) conduit fitting and nut



FieldSmart® Fiber Delivery Point (FDP)

Wall Box Accessories



Strain Relief 1/2" (12.70 mm) Cable

Description

Strain relief that seals incoming or outgoing round, flat drop or 3mm cable assemblies. Requires 3/4" (19.05 mm) drilled hole.



Pre-Configured Part Numbers

Part Number	Description
020627	1/2" (12.70 mm) strain relief with grommet; works for securing 14 mm microduct

Strain Relief 3/4" (19.05 mm) Cable

Description

Strain relief that seals incoming or outgoing round, flat drop or 3mm up to 3/4". Requires 1" (25.4 mm) drilled hole.



Pre-Configured Part Numbers

Part Number	Description
010907	3/4" (19.05 mm) strain relief with grommet
011984	3/4" (19.05 mm) nut for strain relief

Sealcon Adapter 3/4" (19.05 mm)

Description

Kit for securing for cables. Kit includes strain relief, nut, O-ring, and two grommets. Requires 1" (25.40 mm) drilled hole.



Pre-Configured Part Numbers

Part Number	Description
FST-SEALCON-KIT	Strain relief grommet inserts for .24" to .63" (6.10 mm to 16.00 mm) cable diameter; includes an additional grommet for up to three flat drop cables

Sealcon Adapter 1" (25.40 mm)

Description

Kit for securing for cables. Kit includes strain relief, nut, O-ring, and three grommets. Requires 1 1/4" (31.75 mm) drilled hole.



Pre-Configured Part Numbers

Part Number	Description
FST-SEALCON-KIT-1 INCH	Strain relief grommet inserts for .30" to .79" (7.62 mm to 20.07mm) cable diameter; includes an additional grommet for up to four flat drop cables

FieldSmart® Fiber Delivery Point (FDP)

Wall Box Accessories



1" (25.40 mm) Grommet

Description

Grommet used to secure cables 10 mm microduct.



Pre-Configured Part Numbers

Part Number	Description
017360	1" (25.40 mm) grommet for securing four 10mm microduct

Hole Plug

Description

Rubber hole plug. Requires 1" (25.40 mm) drilled hole.



Pre-Configured Part Numbers

Part Number	Description
018834	Rubber hole plug with rubber membrane

Velcro

Description

Velcro square for attaching misc items into wall box.



Pre-Configured Part Numbers

Part Number	Description
011223	Velcro 2" x 2" (50.80 mm x 50.80 mm) square with hook and loop with adhesive

Security Bit

Description

Bit for securing the pin-in-hex screw on wall boxes.



Pre-Configured Part Numbers

Part Number	Description
015075	Single pin-in-hex bit insert

Tape

Description

Grommet tape to help secure cable assemblies into sealcon adapter.



Pre-Configured Part Numbers

Part Number	Description
003042	Grommet tape, 1" x 30" (25.40 mm x 762.00 mm) strip with adhesive backing

Application

The YOURx-TAP provides a secure demarcation point between the service provider network and multiple customer environments – SFU, MDU or business. YOURx-TAP gives the network service provider both the ability to store slack fiber as well as provide a test access point (TAP) for ease of deployment and network maintenance without needing to have access to the interior of the customer premise. With the ability to accept a variety of drop cables, YOURx-TAP can be wall or pole mounted, and can be integrated into any network architecture and deployment.

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 600 feet (182.88 m) of slack fiber storage (300 feet - 91.44 m per reel) using the FieldShield® Deploy Reel with 900 μm FieldShield StrongFiber®. 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.

FieldShield Deploy Reels are easily installed into YOURx-TAP by simply snapping them onto the post bracket that is mounted inside the box. Each post bracket has a built-in feature that locks the deploy reel in place once the fiber has been pulled to the specified location.

Designed for all environments, the YOURx-TAP has a gasketed cover, watertight duct fittings and is made from impact and UV resistant PBT and PC material. Clearfield® optical fiber terminations have been tested compliant to GR-326 requirements with certification currently pending through Telcordia.



YOURx-TAP

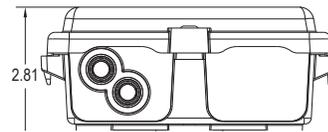
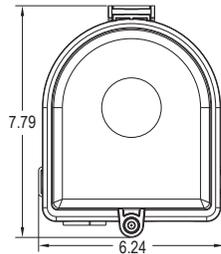


StrongFiber Deploy Reel



Entrance Plates





Technical Specifications

YOURx-TAP	
Dimensions	7.8" H x 6.25" W x 2.81" D (198.12 mm x 158.75 mm x 71.37 mm)
Box Options/Connector Availability/Capacity	Empty, no deploy reels With L-Bracket that holds single fiber adapter One or two StrongFiber Deploy Reels: SC/APC or SC/UPC with up to 300 feet (91.44 m) of 900 μm FieldShield FLEXdrop Empty Reel available for slack storage
Connector Types	StrongFiber Deploy Reels: SC/APC or SC/UPC FieldShield® FLATdrop FieldShield D-ROP: Cable-in-conduit FieldShield FLEXdrop FieldShield Pushable Fiber
Cable Entrance/Exit Plates	Blank, Rubber Grommet, Single and Dual 10mm YOURx FlexPort and 1/2 Sealcon Strain Relief
Private Labeling	Clearfield® logo No logo Private labeling available (500 piece minimum). Contact Clearfield sales representative for details.
Mounting Options	Wall or pole mount. Base provides three knockout holes.

Features and Benefits

Integrity

- Terminations are designed and tested to Telcordia GR-326
- Supports singlemode SC connectors
- 100% performance tested for insertion loss, return loss and final mechanical inspections
- Small footprint

Protection

- Designed to meet NEMA 4 criteria
- Gasketed cover for protection from elements
- Watertight connectors for sealing of duct
- Pin in hex screw for reduced tampering
- Enclosure made of high-impact UV resistant thermal plastic material - to resist and withstand corrosive environments

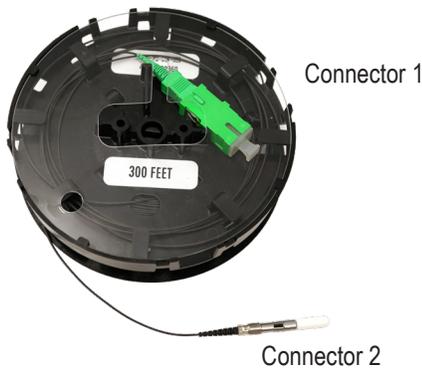
Access

- Accepts multiple drop options for maximum flexibility
- Removable hinged cover allows for easy access to closure
- Available with up to two deploy reels
- Lockable Pins hold deploy reels in place once fiber is deployed
- Wall and pole mount applications available

Investment

- Available with pre-terminated deploy reels, which minimizes splicing and connectorization field costs
- Can add reels after box has been installed
- Available all hours of the day, without customer needing to be there to identify potential problems

StrongFiber Deploy Reel



Slack Storage Reel



L Bracket
(comes with SC/APC adapter)



Blank Plate



Grommet Plate



Single Entrance



Dual Entrance



1/2" Sealcon Strain Relief



FLATdrop Plate
020629



Configured Part Numbers

TAPX -			Bottom Reel (Typically Feeder)				Top Reel (Typically Distribution)			
1	2	3	4	5	6	7	8	9	10	11
<p>1 Select Box Type</p> <p>A = 1 StrongFiber Deploy Reel B = 2 StrongFiber Deploy Reels C = 2 reels (1 StrongFiber Deploy Reel and 1 Slack Storage Reel) M = Box with L Bracket and SCA Adapter (No Reels) Z = Empty</p> <p>2 Select Logo Type</p> <p>A = Clearfield logo B = No logo C = Private label - Custom logo (500 piece min.)</p> <p>3 Select Cable Entrance Plates</p> <p>A = 1 dual and 1 blank plate E = 2 single entrance plates G = 2 grommet plates J = 1 single entrance and 1 grommet M = 1 sealcon and 1 grommet S = 1 Sealcon and 1 blank U = 1 flat and 1 blank 1 = 1 flat and 1 grommet</p>			<p>4 Select Connector 1 (inside plugged into adapter)</p> <p>A = SC/UPC - Standard C = SC/APC - Standard Z = No reel. Choose this when FLATdrop or D-ROP is used for feeder.</p> <p>5 Select Connector 2 (take off end)</p> <p>B = SC/UPC - Pullable D = SC/APC - Pullable Z = No reel</p> <p>6 Select Fiber Type</p> <p>S = StrongFiber Z = No reel</p> <p>7 Select Bottom Reel Length - Feet</p> <p>2 = 50 (15.24 m) 8 = 200 (60.96 m) 3 = 75 (22.86 m) 9 = 225 (68.58 m) 4 = 100 (30.48 m) A = 250 (76.20 m) 5 = 125 (38.10 m) B = 275 (83.82 m) 6 = 150 (45.72 m) C = 300 (91.44 m) 7 = 175 (53.34 m) Z = No reel</p>				<p>8 Select Connector 1 (inside plugged into adapter)</p> <p>A = SC/UPC - Standard C = SC/APC - Standard Z = No reel</p> <p>9 Select Connector 2 (take off end)</p> <p>B = SC/UPC - Pullable D = SC/APC - Pullable Z = No reel</p> <p>10 Select Fiber Type</p> <p>S = StrongFiber Z = No reel</p> <p>11 Select Top Reel Length - Feet</p> <p>2 = 50 (15.24 m) 8 = 200 (60.96 m) 3 = 75 (22.86 m) 9 = 225 (68.58 m) 4 = 100 (30.48 m) A = 250 (76.20 m) 5 = 125 (38.10 m) B = 275 (83.82 m) 6 = 150 (45.72 m) C = 300 (91.44 m) 7 = 175 (53.34 m) Z = No reel</p>			

How to Order:

1. Order empty YOURx-TAP (configurator on previous page). Example = TAPx-Z __ - ZZZZ-ZZZZ
2. Order FLEXdrop Deploy Reel



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 and 100 foot lengths (15.24 m and 30.48 m)

FLEXdrop Deploy Reel Configured Part Numbers

FDR - 1FA - ZZ
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

3 Select Cable Length
 2 = 50 feet (15.24 m)
 4 = 100 feet (30.48 m)

FLEXdrop Splice Deploy Reel (No Adapter)

Splice Deploy Reel with FieldShield FLEXdrop and Pushable SC/APC. Ship along Splice Chip.



Pushable Connector Type	Cable Length	Part Number
SCA	50 Foot	FDR-Z1FA-DZZ2-01
SCA	100 Foot	FDR-Z1FA-DZZ4-01

Accessories

Part Number	Description	Image
018458	Kit - L Bracket and SC/APC Adapter	
018817	Kit - L Bracket and SC/UPC Adapter	
019641	Removal Tool for Microduct and FlexConnector	

Accessories

Part Number	Description	Image
SRD-CZZZ-ZZZ	Deploy Reel with SC/APC Adapter Only - No Fiber	
018041	Blank Plate	
020331	Grommet Plate	
018852	Single Entrance Plate (Includes One 10/6 mm FlexPort)	
018250	Dual Entrance Plate (Includes Two 10/6 mm FlexPorts)	
019849	1/2" Strain Relief Plate	
020629	FLATdrop Connector	
TAP-REEL-EMPTY	Slack Storage Reel	
FS-FIFC-103-6PAK	Field Installable FlexConnector, 10mm Port, 3mm Cable, Black Grommet, 6 Pack (FLEXdrop and FieldShield)	
FSH-FIFC-4PAK	Field Installable FlexConnector, 10mm, 3mm Cable (FLATdrop)	

CraftSmart®

Test Access Point (TAP) Box



Application

The CraftSmart Test Access Point (TAP) Box gives the service provider an accessible exterior access point to test fiber integrity before it enters the customer premise. This solution allows the service provider the ability to identify potential issues in conductivity from outside of the customer premise location.

Description

The CraftSmart TAP Box is a two part closure that will accommodate up to four fibers for test and access purposes. The base of the unit will allow up to four splices from the feeder cable to individual drops into the customer premise. Duplex SC adapters allow for installation of pre-terminated or field terminated fiber to be connectorized for test and access of the fiber - to determine feeder and drop issues.

Two grommets in/out ports on the bottom of the unit provide easy installation of both feeder and drop cables. The unit is lockable to minimize customer tampering. There are grounding options available inside the TAP Box that will allow grounding of the feeder and drop cables. It also has built in access to exterior grounding built into the unit. Multiple mounting options are available to meet all applications. The TAP Box is available with private labeling on the front cover to easily identify service provider's identification.



Features and Benefits

Integrity

- Fiber terminations are Telcordia and RUS compliant
- Supports industry standard SC singlemode connectors
- 100% performance tested for insertion loss, return loss and final mechanical inspections

Protection

- Overlapping cover seals unit from environmental elements
- Two rubber grommets provide sealing of feeder and drop cables
- Lock hole provided for reduced tampering
- Enclosure made of high-impact UV resistant thermal plastic material - to resist and withstand corrosive environments
- Designed to meet NEMA 3 criteria
- Integrated fiber management protects fiber from micro and macro damage
- Special coupler available for use with FieldShield® Microduct

Access

- Slide on cover allows for easy access to closure
- Rubber grommets allow for easy installation of feeder and drop cables
- Grounding bar inside of unit allows for grounding of feeder and drop cables, as well as built in accessibility to exterior grounding
- Dual SC adapters (one or two) allows for easy access for testing and troubleshooting
- Available in SC/APC, SC/UPC, LC/APC or LC/UPC
- Wall and pole mount applications available
- Built in splice tray allows for maximum flexibility

Investment

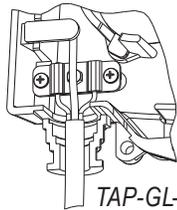
- Available with pre-terminated feeder and drop cables, which minimizes splicing and connectorization field costs
- Patch and splice (Clearfield's in-cassette splicing solution) compatible
- Available all hours of the day, without customer needing to be there to identify potential problems

CraftSmart® Test Access Point (TAP) Box

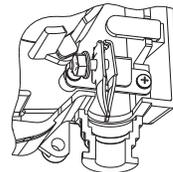


Technical Specifications

CraftSmart Test Access Point (TAP) Boxes	
Dimensions	7.3" H x 8.57" W x 1.67" D (185.42 mm x 217.68 mm x 42.42 mm)
Connector Availability/ Capacity	Empty: No connector One dual SC/APC or SC/UPC; two dual SC/APC or SC/UPC; quad LC/UPC or LC/APC; two quad LC/UPC or LC/APC
Cable Support and Tie Off Options	Not included with TAP Box - MUST BE ORDERED SEPARATELY. TAP-GL-KIT (one clamp per kit) Strength member tie off kit for flat drop and dielectric cable TAP-ARM-GL-KIT (one clamp per kit) Ground lug bracket for armored cable - no strength member tie off
Splice Capacity	Four
Cable Entrance/Exit	One on each port (two total). If using FieldShield® Microduct, order one FS-CPLR-10MM-10MM-TAP per exit
Private Labeling	Standard: comes with Clearfield® logo. Private labeling available (500 piece minimum). Contact Clearfield sales representative for details
Pre-terminated Feeder and Drop Cable	Available: Please contact your Clearfield sales representative
Mounting Options	Wall Mount: Standard Vinyl Siding Mount: TAP-VS-KIT Pole Mount: TAP-PM-KIT



TAP-GL-KIT



TAP-ARM-GL-KIT



FS-CPLR-10MM-10MM-TAP

Configured Part Numbers

TAP - - - Z - -

1
 2
 3
 4
 Serial #

1 Select Box Type

A = Splice only (1)
B = Patch and splice

3 Select Connector Type

B = Duplex SC/UPC
D = Duplex SC/APC
1 = Quad LC/APC
2 = Quad LC/UPC
Z = No connector

4 Select # of Adapters

1 = 2 ports
2 = 4 ports
3 = 4 ports (LC)
4 = 8 ports (LC)
Z = 0 adapters

Serial # (5)

000 = Clearfield logo
ZZZ = No logo

Ordering Notes

- Splice only - empty box
- Standard product unless noted - last three digits will be 000
- 500 piece minimum in effect for custom logo - customer must provide artwork to Clearfield®

For pre-terminated feeder and drop cable assemblies, please refer to Clearfield's application guide for ordering information. For custom configurations, please contact your Clearfield sales representative.

YOURx™

Multi-Purpose Terminal (MPT)



Application

Designed for network design flexibility, Clearfield's YOURx Multi-Purpose Terminal (MPT) is optimized for deployments requiring mid-span, fiber drop, splitter or optical component capabilities.

Description

The YOURx Multi-Purpose Terminal is a sealed midspan terminal that will accept a cable with diameter up to .70" (17.78 mm). Includes eight individual sealed distribution drops with removable tabs — all air and water-tight via YOURx FlexPort technology. Snap in splice chip supporting 12 loose tube splices or 36 mass fusion with ability to store up to 8' per buffer tube. The terminal entry point uses a split sleeve grommet design for easy installation. Slide out bulkhead plate allows installers easy access for cleaning or testing connectors, if required. The bulkhead allows for mounting of optical components, splitters, WDM or DWDM. When accessing the terminal a standard Can Wrench is the only tool requirement. Terminal can be deployed in above grade, below grade, pole or aerial.



Features and Benefits

Integrity

- Designed to meet Telcordia GR-487 and 3125
- Supports pre-terminated FieldShield FLATdrop, FLEXdrop, StrongFiber or Pushable Fiber assemblies for drops
- Supports SC, LC and MPO connectors

Protection

- Optimized for use with FieldShield Microduct or FlexConnector
- FlexConnector provides bend-limiting, strain-relief protection and water-tight seal
- Black UV resistant thermoplastic design to resist corrosion
- Environmentally sealed terminal providing maximum reliability and durability in the harshest OSP environments

Access

- Cable diameter not to exceed .70" (17.78 mm)
- Splicing or plug-and-play configuration
- Optical component solution maximize existing architectures or relief from exhausted fiber scenarios

Investment

- Modular design allows replacement of bulkhead or face plate in case where damage has occurred
- Flexibility in configuration provides designing network easier, utilizing the same terminal
- Using the patch only stub design allows speed to deployment in plug-and-play design

YOURx™

Multi-Purpose Terminal (MPT)



Technical Specifications

YOURx Multi-Purpose Terminal (MPT)	
Dimensions	12.44"L x 6.76"W x 5.49"H (315.97 mm x 171.70 mm x 139.44 mm)
Mounting Options	Below Grade — Vaults - V5A-AZP (17" x 30" x 24") or V^A-AZP (24" x 36" x 24") Above Ground — Pedestals - FPP-8820 (8" x 8" with 12" high base), FPP-101020 (10" x 10" with 20" high base) or FPP-121230 (12" x 12" with 30" high base) Pole or Aerial/Strand
Internal Slack	8' of 12 fiber buffer tube
Feeder Cable	Accepts cable diameter of up to .70" (17.78 mm)
Distribution Ports	Eight 14 mm ports; ports are designed to accept FieldShield FlexConnector
Connector Types	SC/APC, SC/UPC, LC/APC, LC/UPC and MPO Duplex
Material	Black UV Resistant Thermoplastic

Application: Mid-Span with Spliced Drops (No Connectors)



M P T - Z - Z Z Z - Z Z

1

2

1 Select Distribution Port Count

- 02 = 2 Port
- 04 = 4 Port
- 06 = 6 Port
- 08 = 8 Port

2 Select Mounting Bracket

- A = Strand
- B = Below Grade
- G = Above Grade
- P = Pole
- Z = No Bracket

YOURx™

Multi-Purpose Terminal (MPT)



Application: Mid-Span With Connectorized Drops



M P T - - Z 1 Z - Z Z

1 Select Distribution Port Count

- 02 = 2 Ports
- 04 = 4 Ports
- 06 = 6 Ports
- 08 = 8 Ports
- 16 = 16 Ports

2 Select Distribution Connector

- A = SC/UPC
- C = SC/APC
- F = LC/UPC
- H = LC/APC
- S = MPO

3 Select Mounting Bracket

- A = Strand
- B = Below Grade
- G = Above Grade
- P = Pole
- Z = No Bracket

Application: Patch Only Stubbed End - No Mid-Span



M P T - - Z - Z Z XXXXF or XXXXM

1 Select Distribution Port Count

- 02 = 2 Port
- 04 = 4 Port
- 06 = 6 Port
- 08 = 8 Port

2 Select Distribution Connector

- A = SC/UPC
- C = SC/APC
- F = LC/UPC
- H = LC/APC
- S = MPO

3 Select Feeder Mode Type

- 1 = Singlemode (Non-Ribbon)
- 2 = Singlemode (Ribbon)

4 Select Feeder Jacket

- T = FieldShield FLATdrop (Non-toneable)
- U = FieldShield FLATdrop (Toneable)
- W = FieldShield Pushable Fiber

5 Select Mounting Bracket

- A = Strand
- B = Below Grade
- G = Above Grade
- P = Pole
- Z = No Bracket

XXXXF or XXXXM

- XXXXF = Length in Feet
- XXXXM = Length in Meters

YOURx™

Multi-Purpose Terminal (MPT)



Application: Mid-Span Splitter Option with Connectorized Drops



M P T - - - Z Z - Z

1 2 3 4 5

1 Select Distribution Port Count

02 = 2 Port
04 = 4 Port
08 = 8 Port

2 Select Distribution Connector

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

3 Select Feeder Input

A = SC/UPC
C = SC/APC
F = LC/UPC
H = LC/APC
Z = No Connector

4 Select Splitter Ratio

E = 1x2
5 = 1x8
6 = 1x6
8 = 1x4

5 Select Mounting Bracket

A = Strand
B = Below Grade
G = Above Grade
P = Pole
Z = No Bracket

Application: Mid-Span Splitter Option with Spliced Drops



1. Order Empty Terminal

M P T - - Z - Z Z - Z Z Z

1 2

1 Select Distribution Port Count

02 = 2 Port
04 = 4 Port
08 = 8 Port

2 Select Mounting Bracket

A = Strand
B = Below Grade
G = Above Grade
P = Pole
Z = No Bracket

2. Order Splitter

Splitter Ratio	Part Number
1 x 2	006529
1 x 4	040365
1 x 8	040366

YOURx™

Multi-Purpose Terminal (MPT)



Application: WDM or DWDM with Mid-Span — Business Class

WDM or DWDM = Contact Clearfield for correct configurations at 1-800-422-2537



Accessories

Part Number	Description	Image
MPT-BRACKET-01 MPT-PPD-BRACKET	Supports both pedestal and pole mounting. Pedestal Mounting: Will mount in FPP-8820, FPP-101020, FPP-121230 Pole Mounting: Mounting hole provided in bracket	
MPT-AERIAL-BRACKET	Aerial Mounting: If mounting on existing wires, ordering additional brackets will be required	
FS-FIFC-103-6PAK	Field Installable FlexConnector, 10mm Port, 3mm Cable, Black Grommet, 6 Pack (FLEXdrop and FieldShield)	
FS-FIFC-143-6PAK	Field Installable FlexConnector, 10mm Port, 3mm Cable, Black Grommet, 6 Pack, Required for Pushable MPO	
FSH-FIFC-4PAK	Field Installable FlexConnector, 10mm, 3mm Cable (FLATdrop)	

Application

The YOURx-Terminal improves the customer application and craft-experience by providing an access terminal capable of 16 drops, two feeder ports for mid-span and daisy-chaining scenarios, along with a fully protected and restorable pathway from the YOURx-Terminal to the YOURx-TAP using the Clearfield® design methodology of a modular and flexible approach that scales across the application environment.

Description

The YOURx-Terminal provides up to sixteen drops ports along with two 10mm feeder ports and two 14mm feeder ports – all air/water tight via YOURx FlexPort technology and accepting all industry standard connectors. The modular approach of the YOURx-Terminal comes in the removable, configurable FlexCartridge. Configure the fiber ports to meet the deployment application, then if future requirements change, remove the FlexCartridge and snap in a replacement – without any disruption to the base unit.

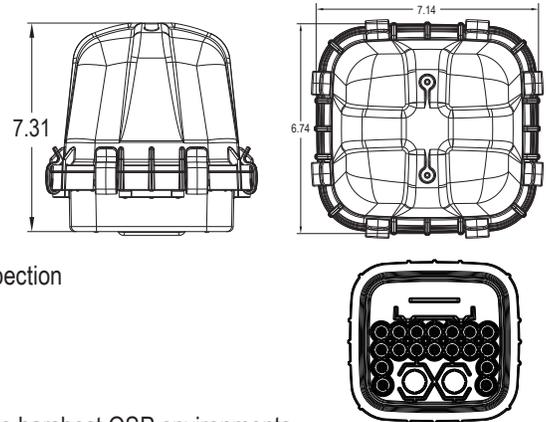
Ducts are simply brought to the YOURx-Terminal, trimmed to length and pushed into the YOURx FlexPorts on the base of the terminal - completing the protected pathway. Fiber is now pulled or pushed from the customer premise to the “inside” of the YOURx-Terminal, where the connector assembly is completed and mated.



Features and Benefits

Integrity

- Designed to comply to Telcordia GR-771
- Supports FieldShield Pushable/Pullable SC Connectors for drop applications
- Supports pre-terminated FieldShield FLATdrop, FieldShield FLEXdrop, FieldShield StrongFiber or FieldShield Pushable Fiber assemblies for individual drop applications
- 100% performance tested for insertion loss, return loss and final mechanical inspection



Protection

- Optimized for use with FieldShield Microduct and Pushable Fiber solutions
- Designed using black UV resistant thermoplastic material
- Environmentally sealed terminal providing maximum reliability and durability in the harshest OSP environments
- FieldShield FlexConnector provides bend-limiting, strain-relief protection and water-tight seal for FieldShield Cables

Access

- Accepts up to sixteen 10 mm distribution ports (for 10 mm FieldShield Microduct or FieldShield FLATdrop)
- Accepts up to two 14 mm feeder ports (for 14 mm FieldShield Microduct)
- Accepts up to two 10 mm feeder ports (for 10 mm FieldShield Microduct or FieldShield FLATdrop)
- Compact sealed design allows placement above or below grade
- Plug-and-play configurations accept both FieldShield FLATdrop and FieldShield Cable Assemblies
- Optical component solutions maximize existing architectures and relief for fiber exhaust scenarios

Investment

- Modular cartridge for upgrade or repair
- Flexibility in configuration provides maximum scalability across multiple services classes and network applications
- Compatible with all of FieldShield drop cable options, which reduces installation time and labor costs by removing expensive splicing labor from the YOURx-Terminal to customer premise
- Pre-terminated factory polished drop cables improve network operability across multiple network access points



MPO Terminal



Patch Only Terminal



Express Terminal



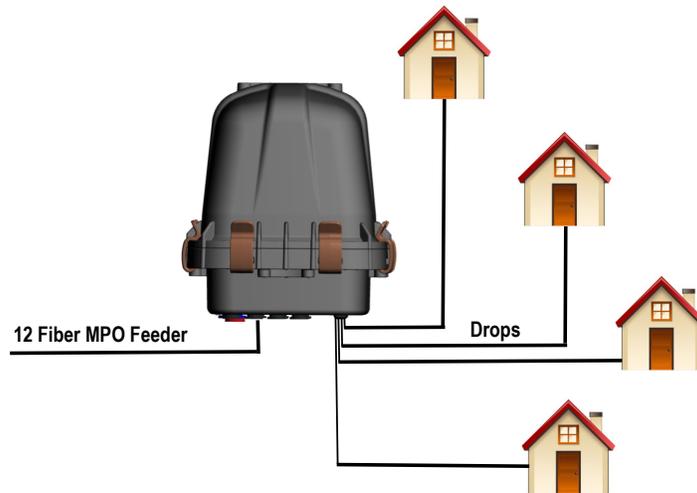
Splitter Terminal

Technical Specifications

YOURx-Terminal	
Dimensions	7.14"W x 6.74" D x 7.31" H (181.36 mm x 171.20 mm x 185.67 mm)
Material	Black UV resistant Thermoplastic
Mounting Options <i>(Brackets ordered separately. See accessories for options)</i>	Below Grade: vault (part number: FPB1220) Above Grade: pedestal, pole mount or aerial/strand
External Slack Storage	Virtually unlimited - depends on vault size or mounting application
Feeder Ports	Two 14 mm FlexPorts and two 10 mm FlexPorts
Distribution Ports	16, 10 mm FlexPorts
Connector Types	SC/APC, SC/UPC, LC/APC, LC/UPC

YOURx-Terminal - MPO

Application: MPO Feeder with Drops



Example Above: 12 fiber MPO feeder with 4 SC/APC drops.

Terminal Part Number: FSTX-04C-51Z-ZAZ

YOURx-Terminal - MPO Configured Part Number

F S T X - - - - 1 Z - Z A Z

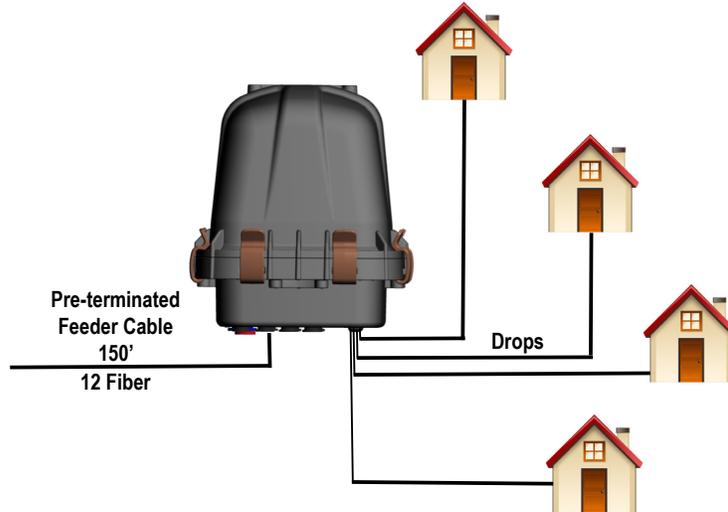
1 2 3

<p>1 Select Distribution Port Count</p> <ul style="list-style-type: none"> 04 = 4 ports 08 = 8 ports 12 = 12 ports 16 = 16 ports 	<p>2 Select Distribution Connector</p> <ul style="list-style-type: none"> A = SC/UPC C = SC/APC F = LC/UPC H = LC/APC 	<p>3 Select Feeder Connector</p> <ul style="list-style-type: none"> 5 = MPO Male
---	--	--

Mounting Brackets sold separately. See Accessory section.

YOURx-Terminal - Patch Only

Application: Pre-terminated Patch Only and Drops



Example Above: Factory installed 150' 12 fiber flat drop toneable feeder with 4 SC/APC drops.

Terminal Part Number: FSTX-04C-Z1U-ZZZ 0150F

YOURx-Terminal - Patch Only Configured Terminal

F S T X - _____ - Z _____ - Z Z Z _____

1 2 3 4 5

1 Select Distribution Port Count

04 = 4 ports
06 = 6 ports
08 = 8 ports
12 = 12 ports

3 Select Feeder Mode and Type

1 = SM (Non-ribbon)
2 = SM (Ribbon)

5 Select Feeder Cable Length

XXXXF = Length in Feet
XXXXM = Length in Meters

2 Select Distribution Connector

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

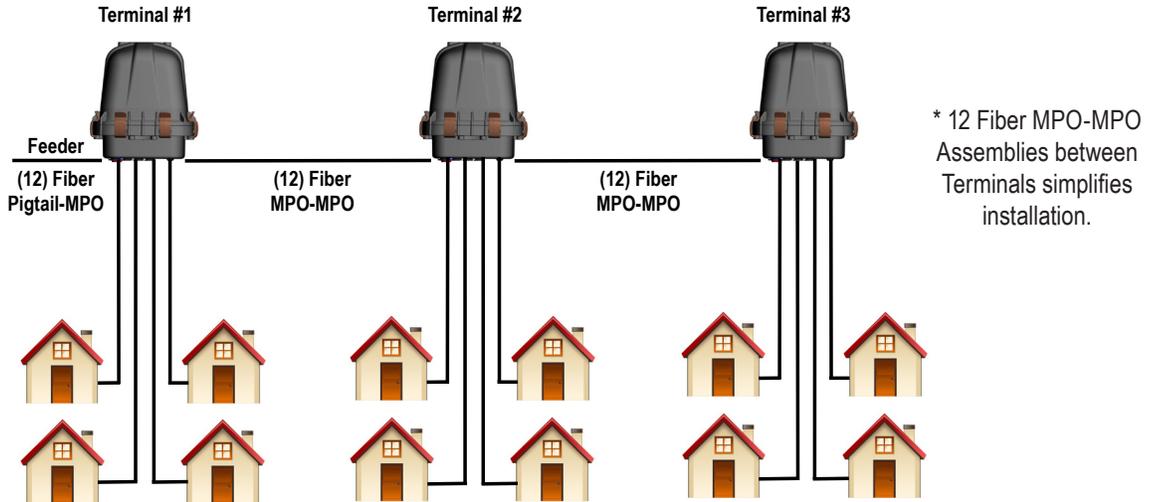
4 Select Feeder Jacket Construction

T = FLATdrop (Non-toneable)
U = FLATdrop (Toneable)
W = FieldShield

For individual drops using FLATdrop with the FlexConnector, you'll need to order them separately and make reference to that product.

YOURx-Terminal — Expressed/Daisy Chain

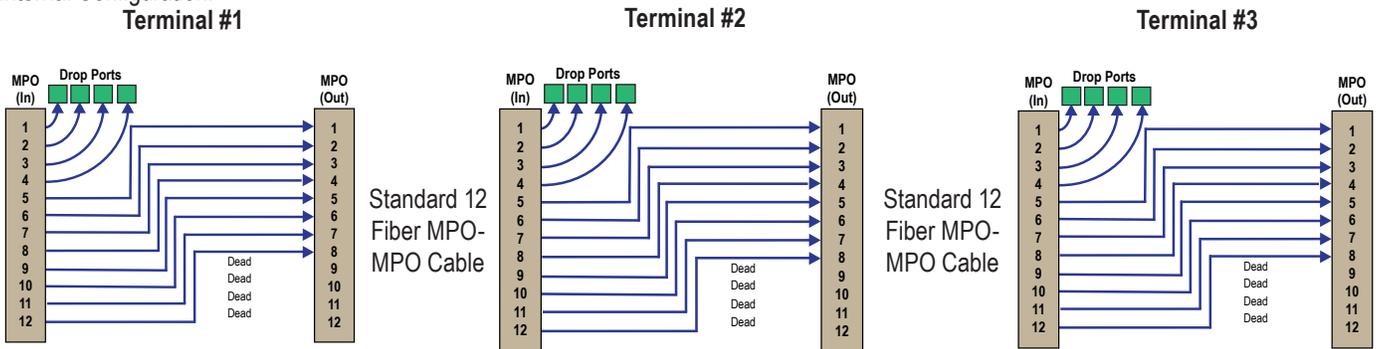
Application: MPO Feeder with Drops and MPO Expressed Out



Example above: 12 fiber MPO feeder with 4 SC/APC drops and remaining fibers expressed out

Terminals Part Numbers: FSTX-12X-51Z-ZZZ-03

Internal Configuration:



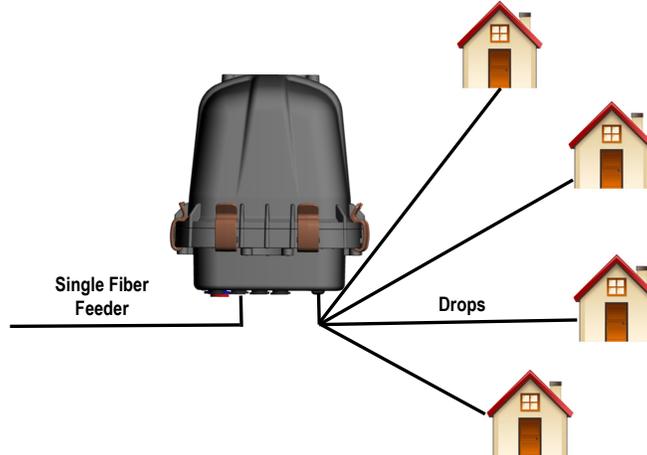
Advantage: Same terminal, only one part number to maintain, simplifying the installation.

YOURx-Terminal - Expressed Configured Terminal

Drop Connector Type	2 Drop Ports / Remaining Fibers Expressed Out	4 Drop Ports / Remaining Fibers Expressed Out	6 Drop Ports / Remaining Fibers Expressed Out	8 Drop Ports / Remaining Fibers MPO Expressed Out
SCA	FSTX-12X-51Z-ZZZ-04	FSTX-12X-51Z-ZZZ-03	FSTX-12X-51Z-ZZZ-01	FSTX-12X-51Z-ZZZ-02
SCU	FSTX-12X-51Z-ZZZ-10	FSTX-12X-51Z-ZZZ-11	FSTX-12X-51Z-ZZZ-12	FSTX-12X-51Z-ZZZ-13
LCA	FSTX-12X-51Z-ZZZ-14	FSTX-12X-51Z-ZZZ-15	FSTX-12X-51Z-ZZZ-16	FSTX-12X-51Z-ZZZ-17
LCU	FSTX-12X-51Z-ZZZ-18	FSTX-12X-51Z-ZZZ-19	FSTX-12X-51Z-ZZZ-20	FSTX-12X-51Z-ZZZ-21

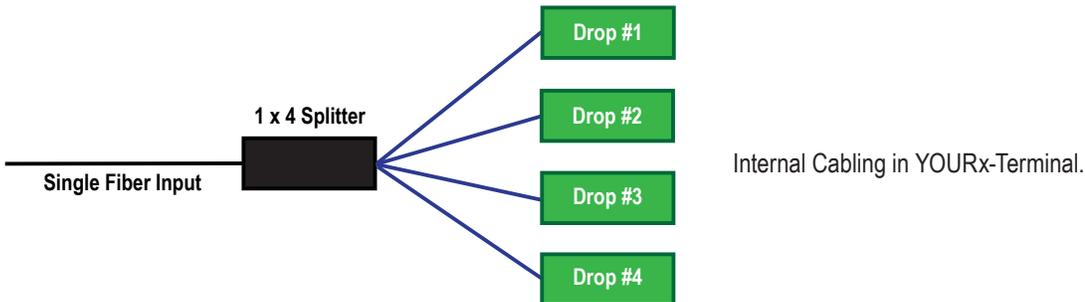
YOURx-Terminal - Splitter

Application: Single Fiber Feeder with Drops



Example Above: Single fiber feeder with SC/APC 1x4 splitter and 4 SC/APC drops.

Terminal Part Number: FSTX-04C-CZZ-8ZZ



YOURx-Terminal - Splitter Configured Terminal

F S T X - _____ - _____ Z Z - _____ Z Z

1
2
3
4

1 Select Distribution Port Count

- 02 = 2 ports
- 04 = 4 ports
- 08 = 8 ports
- 12 = 12 ports
- 16 = 16 ports

2 Select Distribution Connector

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

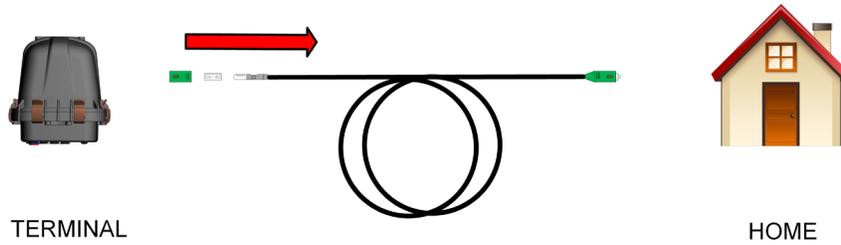
3 Select Feeder Connector

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

4 Select Split Ratio

- 3 = Dual 1 x 8
- 4 = 1 x 16
- 5 = 1 x 8
- 8 = 1 x 4
- 9 = Dual 1 x 4
- E = 1 x 2
- F = Dual 1 x 2

Drop Assemblies

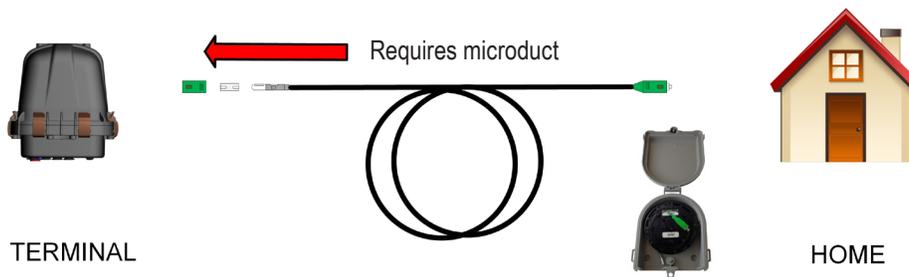


TERMINAL

HOME

Connector in Terminal	Connector to House	FieldShield (requires microduct)	Flat Drop Toneable (does not require microduct)	Flat Drop Non-toneable (does not require microduct)
SCA	SCA	FS-AA1-001-CQZ-DZZ XXXXF	FSH-U1-001-D1K-CQK XXXXF	FSH-T1-001-D1K-CQK XXXXF
SCU	SCU	FS-AA1-001-AQZ-BZZ XXXXF	FSH-U1-001-B1K-AQK XXXXF	FSH-T1-001-B1K-AQK XXXXF

Drop Options Using YOURx-TAP with Deploy Reel



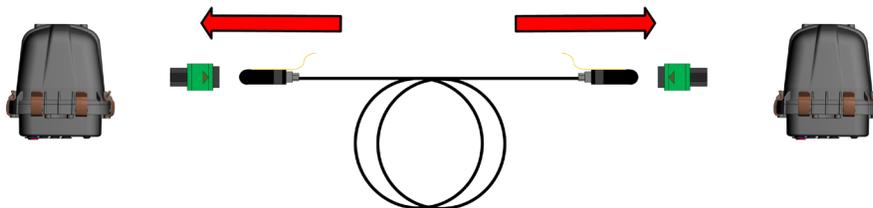
TERMINAL

HOME

Part Number	Description
TAPX-ABA-CDS4-ZZZ	YOURx-TAP, loaded with 1 fiber SC/APC to pullable SC/APC, 100' blank and dual plate, no logo
TAPX-ABA-CDS8-ZZZ	YOURx-TAP, loaded with 1 fiber SC/APC to pullable SC/APC, 200' blank and dual plate, no logo
TAPX-ABA-CDSC-ZZZ	YOURx-TAP, loaded with 1 fiber SC/APC to pullable SC/APC, 300' blank and dual plate, no logo

* Additional TAP options are available. See Clearfield website under Test Access Products.

MPO - MPO Feeder Cable Assemblies Between Terminals



TERMINAL

TERMINAL

Part Number	Description
FS-AA1-012-PZZ-PZZ XXXXF	FieldShield Pushable Fiber, Singlemode, 12 Fiber, 1 x 12 Pushable MPO Female to Pushable MPO Female

* FLATdrop Toneable and Non-Toneable 12 Fiber MPO-MPO are available. Contact Clearfield for more information.

Terminal Mounting Options

Application: Pole, Wall, Pedestal (Min. 10” Pedestal, Vault)



Part Number 018123 — Connector access by removing base



Part Number 018249 — Connector access by removing top

Application: Aerial Strand Mount



Part Number 018456 — Connector access by removing top

Application: Required for sealing in terminal when field-installing connectors or using pushable FieldShield Connector.



Part Number	Description
FS-FIFC-103-6PAK	Field installable FlexConnector, 10 mm Port, 3 mm Cable, Black Grommet, 6 Pack (FLEXdrop and FieldShield)
FS-FIFC-143-6PAK	Field installable FlexConnector, 14 mm Port, 3 mm Cable, Gray Grommet, 6 Pack, Required for Pushable MPO
FS-FIFC-144-6PAK	Field installable FlexConnector, 14 mm Port, 4 mm Cable, Red Grommet, 6 Pack, Required for 24 fiber applications
FSH-FIFC-4PAK	Field installable FLATdrop FlexConnector with pieces for 4 terminations

Top Mount Bracket Kit for YOURx-Terminal

Description

Bracket mounts to cover, allowing the YOURx-Terminal to be removed by loosening a wing nut. Includes the top bracket, plate, wing nut and screws. Applications: Pole mount, wall mount, pedestal mount (minimum 10" (254.00 mm) pedestal) or vault mount.



Pre-Configured Part Numbers

Part Number	Description
018123	Kit, Top Mount Bracket, YOURx-Terminal

Bottom Mount Bracket Kit for YOURx-Terminal

Description

Terminal is bolted to bracket from the bottom. Terminal is accessed by removing the cover. Includes the bracket and screws. Applications: Pole mount, wall mount, pedestal mount (minimum 10" (254.00 mm) pedestal) or vault mount.



Pre-Configured Part Numbers

Part Number	Description
018249	Kit, Pole/Wall Mount Bracket, YOURx-Terminal

Aerial/Strand Mounting Kit for YOURx-Terminal

Description

Bracket mounts to strand with two clamps. Terminal is accessed by removing the cover. Includes the top bracket, bottom bracket with wire cable support, lanyard and screws. Applications: Aerial/strand mount.



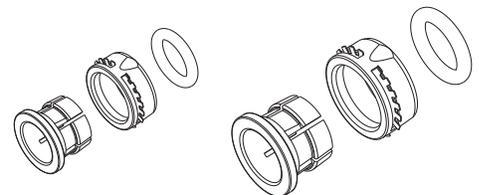
Pre-Configured Part Numbers

Part Number	Description
018456	Kit, Aerial/Strand Bracket for YOURx-Terminal, includes clamps, screws and lanyard

YOURx FlexPort

Description

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



Pre-Configured Part Numbers

Part Number	Description
016280	YOURx FlexPort, push to connect, 10 mm
018107	YOURx FlexPort, push to connect, 14 mm
FSX-10MM EXPANSION KIT	Bag of four 10 mm YOURx FlexPorts and 10 mm FlexPort Plugs

Slack Storage Reel for YOURx-Terminal

Description

Reel is stored on the inside of the YOURx-Terminal, between the base and the FlexCartridge™. The reel will hold up to 10 feet (254.00 mm) of FieldShield® fiber slack.



Pre-Configured Part Numbers

Part Number	Description
FSTX-SLACK-REEL	Reel, slack storage for YOURx-Terminal, holds 10 feed of FieldShield

YOURx FlexPort Filler Plug

Description

YOURx FlexPort Filler Plug for 10 mm or 14 mm ports into the YOURx-Terminal or YOURx-TAP. Application: Used for sealing YOURx FlexPort holes if plug on the inside is removed.



Pre-Configured Part Numbers

Part Number	Description
018664	YOURx FlexPort Plug, filler for 10 mm cartridges
018665	YOURx FlexPort Plug, filler for 14 mm cartridges

YOURx Expansion Repair Kit

Description

Used to expand or add-drop feeder ports for YOURx-Terminal or YOURx-TAP.

Pre-Configured Part Numbers

Part Number	Description
FSX-EXPANSION REPAIR KIT	Expansion, Repair Kit for YOURx-Terminal and YOURx-TAP, Includes four 10 mm YOURx FlexPorts, four 10 mm YOURx FlexPort Plugs, one 14 mm YOURx FlexPort and one 14 mm YOURx FlexPort Plug

FieldShield GBLOCK-10MM-04 and GBLOCK-14MM-04

Description

Fits around fiber onto duct, providing gas-tight protection. FS-GBLOCK-10MM-04 includes four 10 mm gas blockers and four 3" (76.20 mm) of 10 mm FieldShield Microduct. FS-GBLOCK-14MM-04 includes four 14 mm gas blockers and four 3" (76.20 mm) of 14 mm FieldShield Microduct.



Pre-Configured Part Numbers

Part Number	Description
FS-GBLOCK-10MM-04	Kit, connector, gas block, 10 mm, with duct; fits cable diameter 3-6 mm; 4 pack
FS-GBLOCK-14MM-04	Kit, connector, gas block, 14 mm, with duct; fits cable diameter 3-6 mm; 4 pack

FieldShield Field Installable FlexConnector

Description

For field installed applications, these three kits allow a water-tight transition from 3mm and 4mm cable, into the FieldShield FlexPort. The kits include enough parts for six tool-less installations.



Pre-Configured Part Numbers

Part Number	Description
FS-FIFC-103-6PAK	Field installable FlexConnector, 10 mm Port, 3 mm Cable, Black Grommet, 6 Pack
FS-FIFC-143-6PAK	Field installable FlexConnector, 14 mm Port, 3 mm Cable, Gray Grommet, 6 Pack
FS-FIFC-144-6PAK	Field installable FlexConnector, 14 mm Port, 4 mm Cable, Red Grommet, 6 Pack

Application

When the network deployment plan calls out for an aerial application, Clearfield's YOURx-Aerial Terminal application allows for the flexibility to terminate a feeder fiber, directly into revenue generating drops and has the capability to accommodate a fiber cable mid-span, allowing cables to be fully utilized while feeding multiple terminals and access points.

Description

Designed with many of the same features as the YOURx-Terminal, the YOURx-Aerial Terminal allows for aerial or strand mount fiber deployment within the network architecture.

The YOURx-Aerial Terminal can accept the "hand-off" of fiber and distribute up to 24 individual service drops and has the capability to mid-span a larger count fiber cable, allowing the service provider to deploy multiple terminal/access points along the same cable run, maximizing the investment in fiber deployment.

Designed for easy, craft accessibility, the YOURx-Aerial Terminal application has an upward hinging, kickstand supported cover with four side entrance cable access ports. Two individual compartments separate the incoming splices from the drop ports for network security. The backplane of the unit has the capacity to hold up to three splice trays, incorporating fiber management and bend-radius protection into the design. Each splice tray supports 24 loose tube or 72 ribbon splices. With up to 24 individual drops terminated to SC or LC connectors, the YOURx-Aerial Terminal can accept all of the FieldShield® drop options, as well as other cable drop options.



Features and Benefits

Integrity

- Compliant to Telcordia GR-771
- Supports FieldShield Pushable Duct and pushable/pullable fiber solution with SC connectors for drop applications
- Supports pre-terminated FieldShield FLATdrop cable assemblies for individual drop applications
- 100% performance tested for insertion loss, return loss and final mechanical inspection

Protection

- Optimized for use with FieldShield Microduct and Pushable Fiber, as well as FieldShield FLATdrop cable assemblies
- Black UV resistant thermoplastic designed to resist corrosion
- Free breathing terminal provides durability and protection in the OSP environments
- 10 mm YOURx FlexPort provide duct/fiber protection as well as strain relief for drop cables

Access

- Four side entrance holes accept multiple cable types - up to 144 fiber count - not to exceed 3/4" (19.05 mm) O.D.
- Mid-span capabilities
- Two secure compartments, separate splices from the drop ports, providing network security
- Up to 24 drops
- Up to 72 ribbon splices or 24 loose tube splices per tray (maximum of three trays)
- Hinged cover allows easy access for installation and network maintenance
- Patch and splice (Clearfield's in-terminal splicing solution)
- Optical component solutions maximize existing architectures and eliminate fiber exhaust scenarios
- Designation card included

Investment

- Customer defined configurations - provides maximum scalability across multiple services classes
- "Grow-as-you-go" capabilities
- Pre-terminated factory polished pigtail assembly - insures improved network operability when spliced onto the feeder cable

Technical Specifications

YOURx-Aerial Terminal - Patch and Splice	
Dimensions	14.80" W x 11.61" H x 8.15" D (375.92 mm x 294.89 mm x 207.01 mm) (height includes strand bracket)
Material	Black UV resistant Thermoplastic
Mounting Options	Aerial or Strand Mount
Internal Slack Storage	Up to 8 feet of ribbon; up to 8 feet of loose tube
Feeder Ports	Four silicone sealed ports on ends of unit; two on each end
Distribution Ports	Up to 24 - 10 mm YOURx FlexPorts that accept FieldShield® Microduct or FLATdrop connectors
Connector Types	SC/APC, SC/UPC, LC/APC, LC/UPC
Splicing Capabilities	24 loose tube or 72 ribbon splices per tray; three splice trays per terminal

Configured Part Numbers

AFT - - Z F - Z Z

1 2 3 4

1 Select Distribution Port Count
(FlexPorts will match distribution ports)

- 06 = 6 ports
- 12 = 12 ports
- 24 = 24 ports

2 Select Distribution Connector

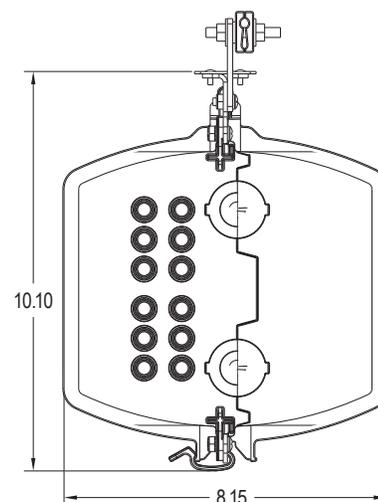
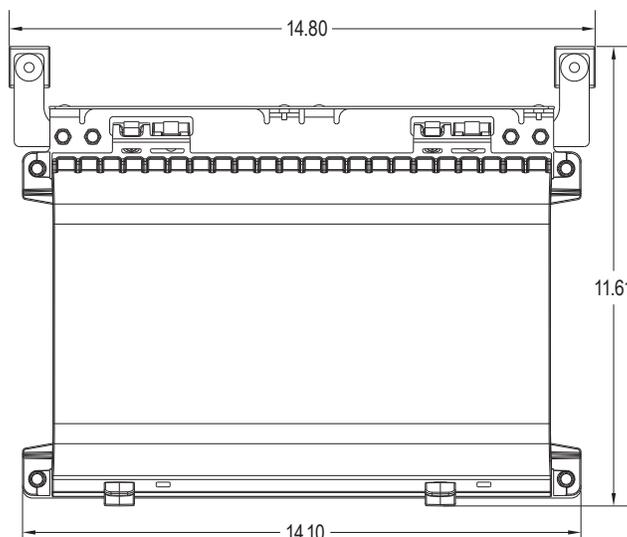
- A = SC/UPC
- C = SC/APC
- F = LC/UPC
- H = LC/APC

3 Select Fiber Type

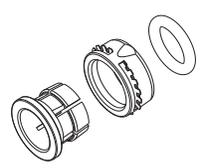
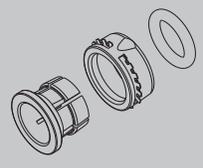
- 1 = Loose Tube (6, 12 or 24 port)
- 2 = Ribbon (12 and 24 port)

4 Select Number of Splice Trays

- 1 = 1 tray (standard)
- 2 = 2 trays
- 3 = 3 trays



Pre-Configured Part Numbers

Part Number	Description	Image
AFT-HANGER-01	Adjustable aerial hanger bracket for YOURx-Aerial Terminal; allows terminal to be installed over existing utilities; shipped in pairs. Includes brackets for mounting to terminal.	
019501	Ribbon retention grommet and clip to secure ribbon into splice tray of YOURx-Aerial Terminal. Includes 6 pieces of each.	
019527	Grounding kit for YOURx-Aerial Terminal, kit includes ground wire and two clamps	
019007	Silicon grommet for incoming cables on YOURx-Aerial Terminal, one grommet (two pieces)	
016280-06	YOURx FlexPort, push to connect, 10 mm, 6 pack	
016280-12	YOURx FlexPort, push to connect, 10 mm, 12 pack	
018664	YOURx FlexPort Plug, filler for 10 mm	
017957	Cover latch (sold individually)	

Part Number	Description	Image
FSH-FIFC-4PAK	Field installable FlexConnector™ with pieces for 4 terminations	
FSH-FIFC-SCA-4PAK	Field installable FlexConnector with splice-on SCA connectors and pieces for 4 terminations	