BUSINESS SERVICES PRODUCT APPLICATIONS

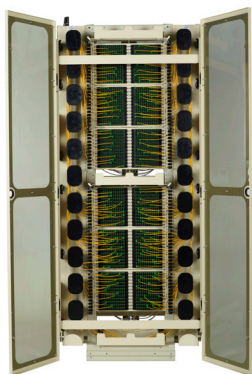**Accelerating Cost-Effective Fiber Fed Deployments**

CLEARFIELD
SeeClearfield.com

Providing fiber-fed business services is as unique as the business itself. Each location poses its own set of challenges. Clearfield's products meet those business deployment challenges by providing a flexible and scalable set of products that can quickly and easily adapt to a variety of different requirements.

Business customers need services quickly. Clearfield® has developed solutions that speed building access as well as scalable, superior quality fiber termination and management. Our small form factor microduct products allow for re-use of existing conduit paths into a building while providing a distinct and protected fiber pathway. With Clearfield's pre-terminated cable assemblies, a service provider will meet the rigorous service timelines by eliminating splicing and costly splicing equipment — saving both time and money.

Clearfield's scalable platforms allow for expanding from a small deployment to a large deployment by simply adding components as required. This build-as-you-grow approach allows the business provider to reduce the number of SKU's kept in inventory with the added benefit of quickly reacting to a project as it grows.
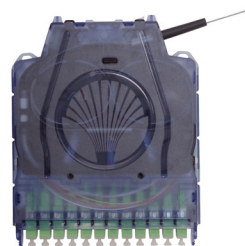
The following pages illustrate how Clearfield products can help you provide business services faster, without sacrificing quality.

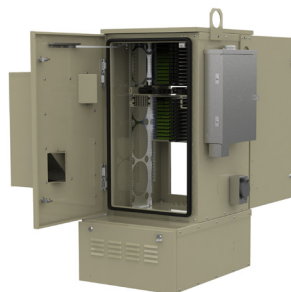**FieldSmart® FxDS Frame Kit**

FieldSmart FxMP Panel

Clearview® Blue

YOURx™ Multi-Purpose Terminal

FieldSmart PON Cabinet

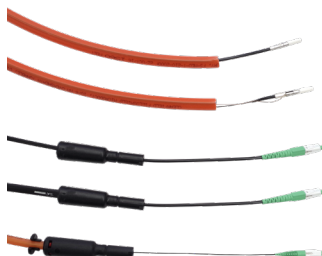**FieldSmart FiberFlex Active Cabinet**

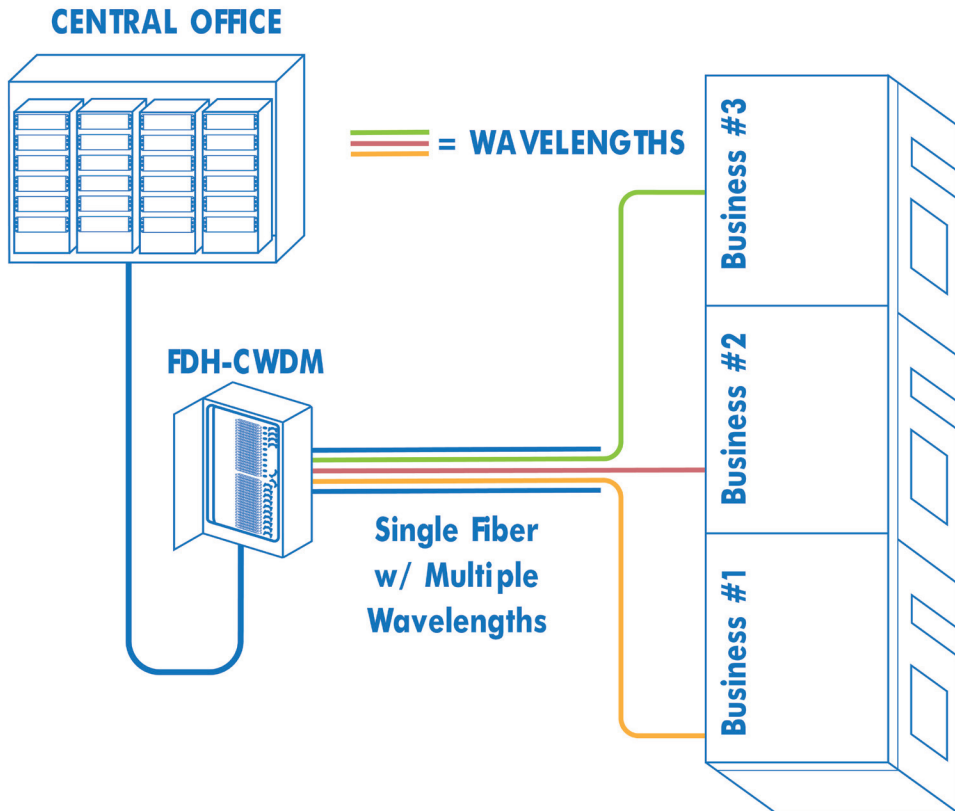**Clearview xPAK**

YOURx-Aerial Terminal
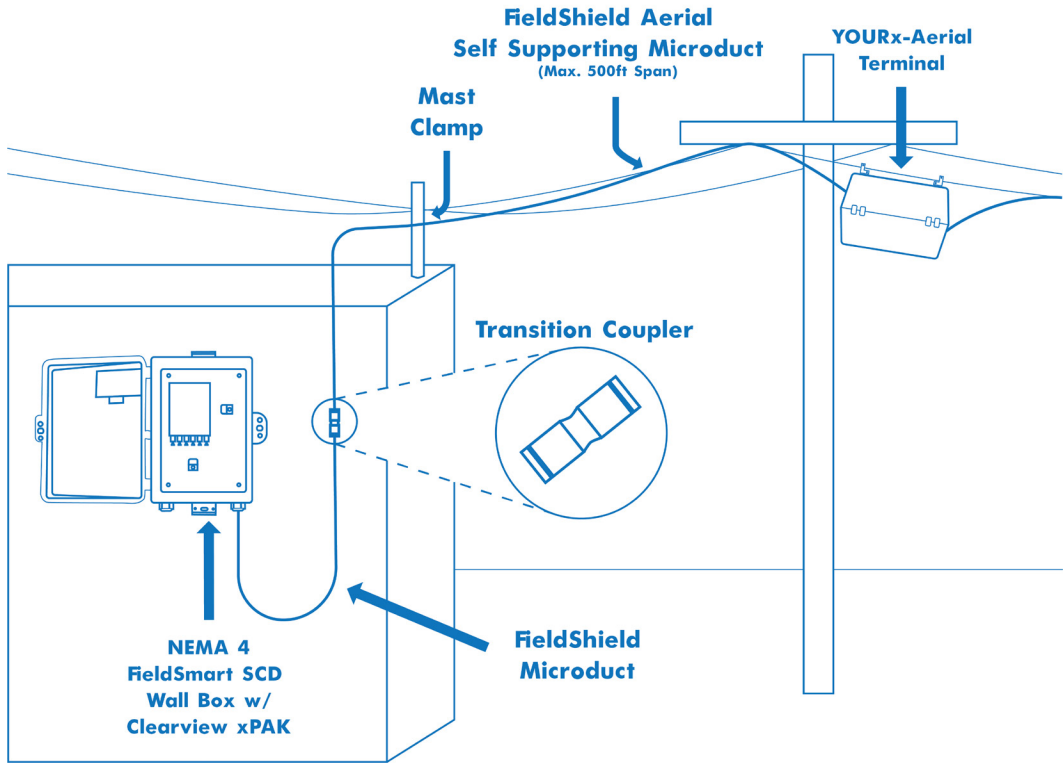

CraftSmart® Vault

FieldShield® Microduct

FieldShield Drop Cables

Business Services - Fiber Exhaust

CENTRAL OFFICE

= WAVELENGTHS

FDH-CWDM

Single Fiber
w/ Multiple
Wavelengths

Business #3

Business #2

Business #1

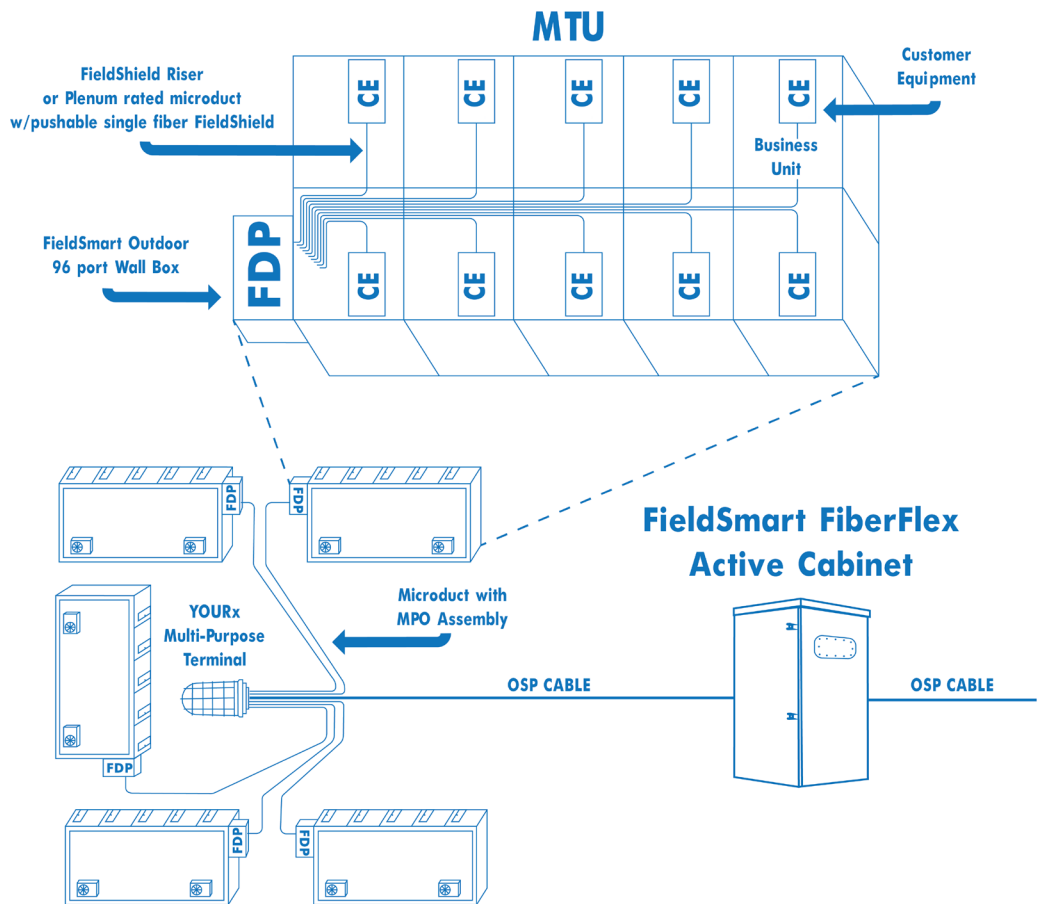|	Product	Description
Frame	010802	7' Frame Includes Interbays, Troughs and Doors
Panel	G-HBB-288-F1F-BZZ	11"H Patch & Splice Panel with 288 LC/UPC Connectors
Cabinet	RN2-288-C2E-200-B 100F	FieldSmart PON Cabinet with 4" Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded with 288 SC/APC Distribution Ports, 2 x 144 Fiber OSP Ribbon Non-Rated Non-Armored, 100', 24 OSP Feeder Fiber Pigtail in Clearview Blue Cassette
WDM	LYB-CB08-ZAX-43-M/D-01	WDM, Loaded into Clearview Blue 2 High Cassette, Contains CWDM, (2X) 8 Channel Mux & Demux
Pole Mount Kit	FMA-H3Z-SUB	Pole Mount Kit for 288 Cabinet
Vaults	V6A-CZP	24 x 36 x 24" Vault with Split HDPE Lid Cut-Out for Cabinet
	V7A-CZP	30 x 48 x 24" Vault with Split HDPE Lid Cut-Out for Cabinet

FieldShield Aerial Self Supporting Microduct (Max. 500ft Span)

YOURx-Aerial Terminal

Mast Clamp

Transition Coupler

NEMA 4 FieldSmart SCD Wall Box w/ Clearview xPAK

FieldShield Microduct

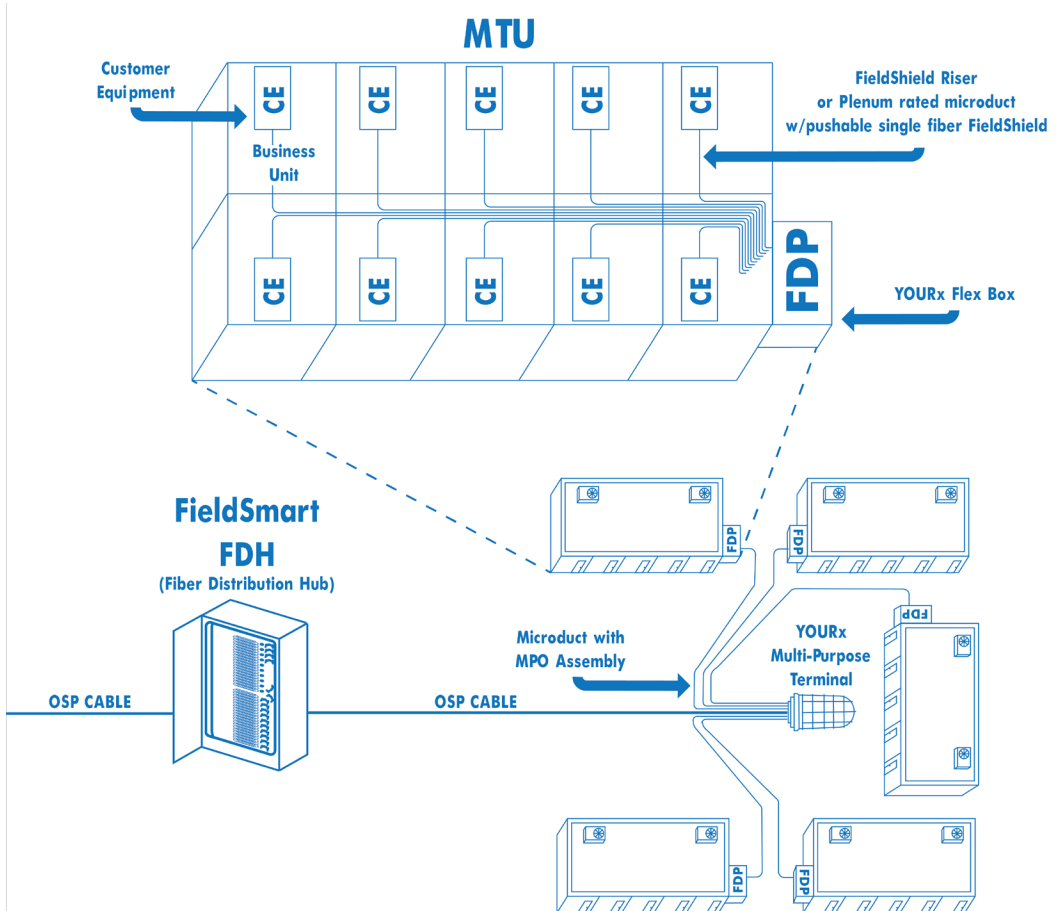|	Product	Description
Aerial Terminal	AFT-06C-Z1F-Z1Z	Terminal Loaded with Splice Tray, 6 Singlemode SC/APC Distribution Ports and 6 FlexPorts
Microduct	FS-MEA-T-810-PS-1300F	Self-Supporting Microduct, Black, 10/8, 1300 Feet
Wall Box	FDP-XWB1-6PAK-SCA	Wall Box Loaded with 6 Position SC/APC xPAK
Couplers	FS-CPLR-10MM-10MM	Coupler 10mm to 10mm, Air-tight Qty -1
	020627	Coupler to Secure Microduct into Wall Box

Business Services - Node +0

MTU

FieldShield Riser
or Plenum rated microduct
w/pushable single fiber FieldShield

Customer
Equipment

Business
Unit

CE CE CE CE CE

FDP

CE CE CE CE CE

FieldSmart Outdoor
96 port Wall Box

FDP FDP

**FieldSmart FiberFlex
Active Cabinet**

YOURx
Multi-Purpose
Terminal

Microduct with
MPO Assembly

FDP

OSP CABLE   OSP CABLE

FDP FDP

	Product	Description
Active Cabinet	R3DEC-2221E-432-C1F	Fiber Active Cabinet with Fiber Connectivity, AC Load Center, Rectifier System and Battery Back Up
Terminal	MPT-725-Z1E-ZZH-01 XXXF	Terminal Loaded with MPOs with Pigtail
Assembly	HM1-012-PCD-PCD XXXF	12 Fiber Flat Drop Cable with MPO to MPO Assembly xxxF
Wall Box	FDP-xWBF-CPLATE-24	Empty YOURx Flex Box with Combo Plate Supporting 24 10/6mm Microduct
Cassette	EUL-012-C1F-SUB	Clearview Cassette with Rear MPO and 12 Front SC/APC Adapters
Microduct	FS-DCR-NT-610-PS-XXXF	FieldShield Riser Rated 10/6mm Microduct
Pushable Fiber	FS-AA1-001-CZZ-DZZ xxxF	FieldShield Single Fiber with SC/APC to Pushable SC/APC

	Product	Description
FDH	R42-288-C2F-000-B	FieldSmart PON Cabinet with 12" Riser, Ribbon Fiber Patch and Splice, 288 Maximum Capacity, Loaded With 288 SC/APC Distribution Ports, 24 Feeder Fibers in 2 Patch and Splice Clearview Blue Cassette
Terminal	MPT-725-Z1E-ZZH-01 XXXF	Terminal Loaded with MPOs with Pigtail
Assembly	HM1-012-PCD-PCD XXXF	12 Fiber Flat Drop Cable with MPO to MPO Assembly xxxF
Wall Box	FDP-xWBF-CPLATE-24	Empty YOURx Flex Box with Combo Plate Supporting 24 10/6mm Microduct
Cassette	EUL-012-C1F-SUB	Clearview Cassette with Rear MPO and 12 Front SC/APC Adapters
Microduct	FS-DCR-NT-610-PS-XXXF	FieldShield Riser Rated 10/6mm Microduct
Pushable Fiber	FS-AA1-001-CZZ-DZZ xxxF	FieldShield Single Fiber with SC/APC to Pushable SC/APC

CLEARFIELD

Learn more at www.SeeClearfield.com

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Clearfield, Inc. (NASDAQ: CLFD) designs, manufactures and distributes fiber optic management, protection and delivery products for communications networks. Our "fiber to anywhere" platform serves the unique requirements of leading incumbent local exchange carriers (traditional carriers), competitive local exchange carriers (alternative carriers), and MSO/cable TV companies, while also catering to the broadband needs of the utility/municipality, enterprise, data center and military markets. Headquartered in Minneapolis, MN, Clearfield deploys more than a million fiber ports each year.