



FTTH solutions for North America

Shaping the always-on networks of tomorrow

COMMScope®

More bandwidth, more network capacity. Think Fiber.

Fiber optics delivers more traffic volume than any other medium, hands down. No other technology is capable of supporting gigabit, low-latency applications with such ease, including:

- 4K and 360° video
- Virtual Reality (VR) and gaming
- Cloud connectivity
- Self-driving cars

The end-user device may be wired or wireless. But to bring that traffic from the home, business, and cell site into the central office or headend, you'll need fiber.

Speed and ease of deployment.

Building fiber networks requires experienced staff with training and tools. At CommScope, we design robust products that are quicker and easier to install, with less specialized tools and less training, to eliminate bottlenecks and streamline deployment. We make high-tech accessible—easy to understand, easy to install, and easy to maintain.

Fiber access networks. With CommScope, it doesn't have to be hard.

With decades of reliable, proven results in FTTX projects around the world, we can help you optimize your network design, choose the most suitable products, and plan your deployment. Trust us to help you deliver your project on time, on budget.

This quick reference guide is a selection of popular solutions, suitable for a wide range of applications and environments. Start building your fiber network today.

We offer solutions for:

1 Central office and headend

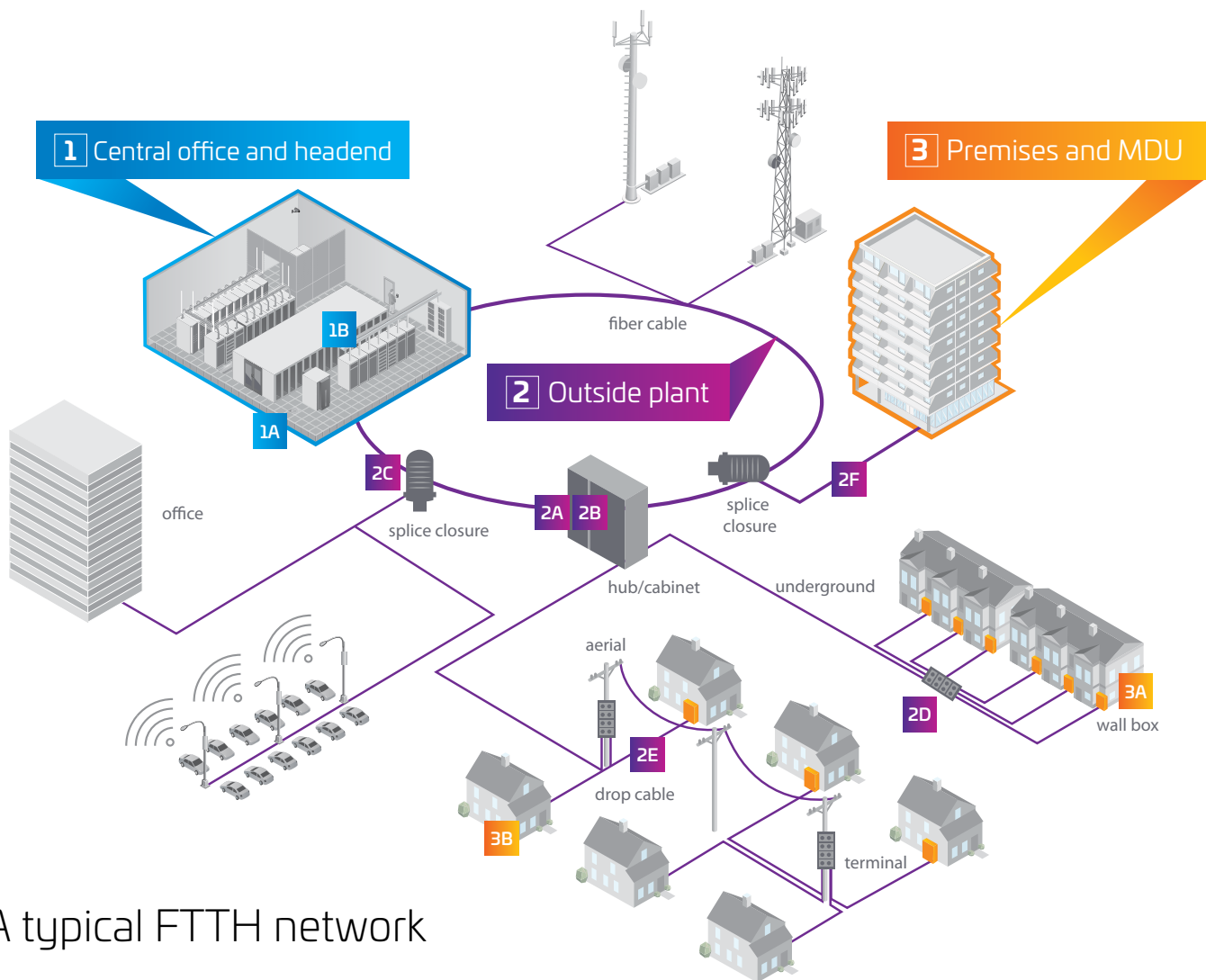


2 Fiber outside plant

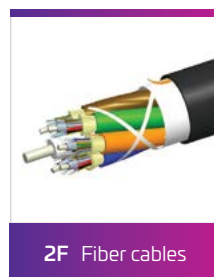
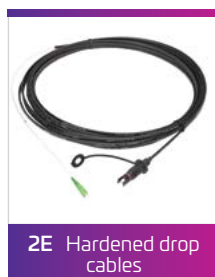
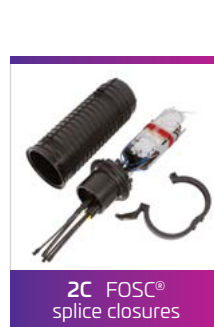
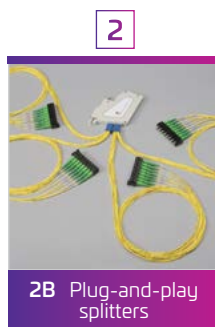
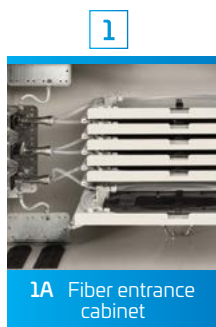


3 Premises and multidwelling units





A typical FTTH network





1 Central office and headend

The central office or headend is where service providers must often make changes.

As FTTH, DOCSIS 3.1, and G.fast gain momentum, new fiber is constantly added both at the outside plant and in the central office/headend (CO/HE). Furthermore, emerging trends and technologies are expected to have an important impact on the evolution of the CO/HE.

- Network functions virtualization (NFV) replaces traditional network equipment with virtualized software
- Software defined networking (SDN) shifts traffic to meet rapidly changing demands
- Edge computing spreads formerly centralized computing functions across a broad network, and, like NFV, can reduce the need for traditional equipment

Density and agility are key for today's central office and headend, in order to meet the challenges of technology migration and evolution.

1A Fiber Entrance Cabinet (FEC)

The Fiber Entrance Cabinet (FEC) provides splicing, administration and storage for outside plant and intra-facility cables (IFC). The cabinets are designed for deployment in a building equipment area. The FEC offers a cost-effective, space-saving alternative to splicing on the fiber frame.



Part Number	Description
FEC-864	Fiber optic entrance cabinet, up to 1728 stranded fibers and 2592 ribbon fibers, 36 splice drawers
FST-D-MT	Fiber optic ribbon splice tray, up to 72 fibers (6 x 12 fiber ribbon)
FST-HS-48	Fiber optic stranded splice tray, 48 fiber capacity
OSP-CLPFEC-LG	Large cable clamp kit, 3 positions
BLK-RCT-B09D0	Fiber optic ribbon breakout kit, 24F ribbon, 2 ribbon per tube, 11-15 mm central tube OD, 9 tubes, up to 432 OSP cable
BLK-RCT-B18D0	Fiber optic ribbon breakout kit, 24F, 2 ribbon per tube, 11-15 mm central tube OD, 18 tubes, up to 864 OSP cable
SMOUV-1120-R2/12-02	SMOUV Splice heat shrink protective sleeves, ribbon, 1000-pack 42mm (757849-000)
SMOUV-1120-01	SMOUV Splice heat shrink protective sleeves, single, 1000-pack 61mm (369305-000)

For more FEC configurations, visit https://www.commscope.com/Docs/Building_Entrance_Facility_Solutions_BR-112360-EN.pdf

1B 288 LSX Fiber Distribution Termination Panels

The 288 LSX panel provides a physical interface between fiber optic cables (terminated on the rear side of the bulkhead) and patch cords (terminated on the front). 288 LSX panels are pre-terminated and fit into 23" rack mounting.



Part Number	Description
LSX Fiber termination panel with IFC cable, 11 in x 23 in, 288 SC/APC, singlemode, STRANDED indoor cable, stub tail at far end	
LSX-LL/0WB031	31 meters (100ft)
LSX-LL/0WB046	46 meters (150ft)
LSX-LL/0WB061	61 meters (200ft)

LSX Fiber termination panel with IFC cable, 11 in x 23 in, 288 SC/APC, singlemode, RIBBON indoor cable, stub tail at far end	
LSX-LL/0WA023	23 meters (75ft)
LSX-LL/0WA031	31 meters (100ft)
LSX-LL/0WA046	46 meters (150ft)

Alternate Term and Splice (On-Frame Splice) Application	
LSX Fiber termination panel, 288 SC/APC, singlemode, 11 in x 23 in, pigtails and splice trays loaded, 12 fiber	
LSX-LL5243-A-SPL	RIBBON
LSX-LL1242-A-SPL	STRANDED LOOSE TUBE

For more LSX configurations, visit https://www.commscope.com/Docs/LSX_ODF_BR-111950-EN.pdf

For NG4access and high-density frame solutions, visit <https://www.commscope.com/Docs/NG4access-ODF-Platform-BR-314120-EN.pdf>



2 Fiber outside plant

Service providers are deploying more and more fiber in the outside plant for residential broadband, business customers, and wireless backhaul (or fronthaul) services.

Cabinets and hubs connect the last-mile access network to the distribution network, and thus have to be operationally efficient and scalable in order to achieve this flexibility.

Closures are used at the fiber splice points to house and protect the fibers and value add modules like passive splitters and C/DWDM. To ensure long-term profitability of the network, our closures are designed to address the following needs:

Service providers need flexible fiber networks that can grow and adapt with the demands of the market.

2A Fiber Distribution Hub (FDH 3000)

The FDH 3000 supports rapid connections between fiber optic cables and passive optical splitters. This outdoor passive optical network and fiber cross-connect cabinet is available in 144, 288, 432 and 864 fiber sizes.



Part Number	Description
FDH3000 Extra Small Cabinets: 144 fiber capacity, 18 splitter slots, 18 pass through, 64 parking spots	
FD3-AC144J00GBBP1	Fiber distribution cabinet, 144F, SC/APC, no splitters, single armor loose tube, 100ft stub, 12F feeder
FD3-AC144J00GBBP2	Fiber distribution cabinet, 144F, SC/APC, no splitters, single armor loose tube, 100ft stub, 24F feeder
FD3-AC144J00GBBP2P	Fiber distribution cabinet, 144F, SC/APC, no splitters, single armor loose tube, 100ft stub, 24F feeder, pole mount
FD3-AC144J00JBBP1	Fiber distribution cabinet, 144F, SC/APC, no splitters, dielectric loose tube, 100ft stub, 12F feeder
FD3-AC144J00JBBP2	Fiber distribution cabinet, 144F, SC/APC, no splitters, dielectric loose tube, 100ft stub, 24F feeder
FD3-AC144J00JBBP2-P	Fiber distribution cabinet, 144F, SC/APC, no splitters, dielectric loose tube, 100ft stub, 24F feeder, pole mount
FDH3000 Small Cabinets: 288 fiber capacity, 24 splitter slots, 36 pass through, 72 parking spots	
FD3-AE288J00GBBP1	Fiber distribution cabinet, 144F (2), SC/APC, no splitters, single armor loose tube, 100ft stub, 12F feeder
FD3-AE288J00GBBP2	Fiber distribution cabinet, 144F (2), SC/APC, no splitters, single armor loose tube, 100ft stub, 24F feeder
FD3-AE288J00GBBP2P	Fiber distribution cabinet, 144F (2), SC/APC, no splitters, single armor loose tube, 100ft stub, 24F feeder, pole mount
FD3-AE288J00JBBP1	Fiber distribution cabinet, 144F(2), SC/APC, no splitters, dielectric loose tube, 100ft stub, 12F feeder
FD3-AE288J00JBBP2	Fiber distribution cabinet, 144F(2), SC/APC, no splitters, dielectric loose tube, 100ft stub, 24F feeder
FD3-AE288J00JBBP2-P	Fiber distribution cabinet, 144F(2), SC/APC, no splitters, dielectric loose tube, 100ft stub, 24F feeder, pole mount
FD3-AE288J00JBBP4	Fiber distribution cabinet, 144F(2), SC/APC, no splitters, dielectric loose tube, 100ft stub, 48F feeder
FDH3000 Medium Cabinets: 432 fiber capacity, 30 splitter slots, 36 pass through, 144 parking spots	
FD3-AG432J00GBBP2	Fiber distribution cabinet, 144F (3), SC/APC, no splitters, single armor loose tube, 100ft stub, 24F feeder
FD3-AG432J00GBBP4	Fiber distribution cabinet, 144F (3), SC/APC, no splitters, single armor loose tube, 100ft stub, 48F feeder
FD3-AG432J00JBBP2	Fiber distribution cabinet, 144F(3), SC/APC, no splitters, dielectric loose tube, 100ft stub, 24F feeder
FD3-AG432J00JBBP4	Fiber distribution cabinet, 144F(3), SC/APC, no splitters, dielectric loose tube, 100ft stub, 48F feeder
FD3-AG432J00JCBP4	Fiber distribution cabinet, 216F(2), SC/APC, no splitters, dielectric loose tube, 100ft stub, 48F feeder
FDH3000 Large Cabinets: 576 fiber capacity, 48 splitter slots, 72 pass through, 288 parking spots	
FD3-AJ576J00GGBP2	Fiber distribution cabinet, 144F (4), SC/APC, no splitters, single armor loose tube, 100ft stub, 24F feeder
FD3-AJ576J00GGBP4	Fiber distribution cabinet, 144F (4), SC/APC, no splitters, single armor loose tube, 100ft stub, 48F feeder
FD3-AJ576J00JBBP2	Fiber distribution cabinet, 144F(4), SC/APC, no splitters, dielectric loose tube, 100ft stub, 24F feeder
FD3-AJ576J00JBBP4	Fiber distribution cabinet, 144F(4), SC/APC, no splitters, dielectric loose tube, 100ft stub, 48F feeder
FDH3000 Large Cabinets: 864 fiber capacity, 48 splitter slots, 72 pass through, 288 parking spots	
FD3-AJ864J00GCBP4	Fiber distribution cabinet, 216F (4), SC/APC, no splitters, single armor loose tube, 100ft stub, 48F feeder
FD3-AJ864J00GGBP4	Fiber distribution cabinet, 216F (3), SC/APC, no splitters, single armor loose tube, 100ft stub, 48F feeder
FD3-AJ864J00GGBP7	Fiber distribution cabinet, 216F (3), SC/APC, no splitters, single armor loose tube, 100ft stub, 72F feeder
FD3-AJ864J00JGBP7	Fiber distribution cabinet, 216F(3), SC/APC, no splitters, dielectric loose tube, 100ft stub, 72F feeder

Hub in a Pedestal Cabinets: 96 fiber capacity, 6 splitter slots	
FD3-PA036J00U2220	Fiber distribution pedestal, 36F, SC/APC, no splitters, stranded pigtails/heat shrink fusion distribution configuration, 12F feeder
FD3-PA048J00U2220	Fiber distribution pedestal, 48F, SC/APC, no splitters, stranded pigtails/heat shrink fusion distribution configuration, 12F feeder
FD3-PA096J00U4220	Fiber distribution pedestal, 96F, SC/APC, no splitters, stranded pigtails/heat shrink fusion distribution configuration, 12F feeder
Splitters	
FPS-LPP1AJJ	1x32 Plug and Play Splitter
FPS-LPP1CJJ	1x16 Plug and Play Splitter



Hub in a Pedestal

FDH4000 Series: 288 Maximum capacity (LC)	
FD4S-B144S00DBB3	Sealed Fiber distribution Hub, 144F, LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 48F feeder
FD4S-B144J00JBB2	Sealed Fiber distribution Hub, 144F, SC/APC, no splitters, dry dielectric loose tube RBR, 100FT stub, 24F feeder
FD4S-B144J00DBB3	Sealed Fiber distribution Hub, 144F, SC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 48F feeder
FD4S-B288S00JBB2	Sealed Fiber distribution Hub, 288F, LC/APC, no splitters, dry dielectric loose tube RBR, 100FT stub, 24F feeder
FD4S-B288S00JBB3	Sealed Fiber distribution Hub, 288F, LC/APC, no splitters, dry dielectric loose tube RBR, 100FT stub, 48F feeder



Sealed FDH 4000

Hand Hole Kits	
FMS-ACE100-KIT-A	FDH 3000 30 in x 60 in hand hole and cover kit for extra small (24-144 fibers), small (72-288 fibers) and medium (72-432 fibers) cabinets
FMS-FD3J-KIT-A	FDH 3000 48 in x 60 in hand hole and cover kit for large (72-864 fibers) cabinets

2B Splitters for the FDH 3000

Plug-and-play splitters are value added modules that can be placed in an FDH 3000 to implement point-to-multipoint passive optical network (PON) architectures for FTTH networks.



Part Number	Description
FPS-MPP1AJJ	1x32 plug-and-play splitter for FDH
FPS-MPP1CJJ	1x16 plug-and-play splitter for FDH

For more information on the FDH 3000 and splitter options, visit goo.gl/MXPIWE

For more information on the mini FDH 3000, visit goo.gl/QwKx2B

For more information on the sealed FDH 4000, visit goo.gl/dd6HPL

2C FOSC® 450 Fiber Optic Splice Closure

FOSC 450 fiber optic splice closures are a family of closures for use in all outside plant fiber splicing applications. Utilizing compressed gel cable sealing and a quick release dome-to-base clamp for fast access to the splicing area, there are a variety of sizes to choose from. Each closure is capable of handling a range of cable styles and sizes and incorporates such features as hinging splice trays. FOSC closures are accompanied by a full line of accessories as well.



Part Number	Description
FOSC450-A4-4-NT-0-A1V	FOSC 450 A4 Fiber optic splice closure, gel cable sealing, no pre-installed tray, 4 cable attach., one ground feedthrough lug, with test valve (A08617-000)
FOSC450-B6-6-NT-0-B3V	FOSC 450 B6 Fiber optic splice closure, gel cable sealing, no pre-installed tray, 6 cable attach., three ground feedthrough lugs, with test valve (058514-000)
FOSC450-C6-6-NT-0-C6V	FOSC 450 C6 Fiber optic splice closure, gel cable sealing, no pre-installed tray, 6 cable attach., six ground feedthrough lugs, with test valve (J1945R-000)
FOSC450-D6-6-NT-0-D6V	FOSC 450 D6 Fiber optic splice closure, gel cable sealing, no pre-installed tray, 6 cable attach., six ground feedthrough lugs, with test valve (931866-000)
FOSC-ACC-A-TRAY-12-KIT	FOSC Fiber optic splice tray kit for 12 fibers (497817-000)
FOSC-ACC-A-TRAY-24-KIT	FOSC Fiber optic splice tray kit for 24 fibers (429567-000)
FOSC-ACC-B-TRAY-12-KIT	FOSC Splice tray and cover kit, 12-splices (898849-000)
FOSC-ACC-B-TRAY-24-KIT	FOSC B Splice tray with two SM-12 splice modules (863927-000)
FOSC-ACC-C-TRAY-12	FOSC Fiber optic splice tray, 12 fibers (RH0198-000)
FOSC-ACC-C-TRAY-24	FOSC Fiber optic splice tray, 24 fibers (RH0202-000)
FOSC-ACC-D-TRAY-36-KIT	FOSC Splice tray kit, clear cover with 6 SM-6 splice modules, tie-wraps (426579-000)
FOSC-ACC-D-TRAY-72-KIT	FOSC D Splice tray, 6 splice modules, 72-splice capacity (915167-000)
FOSC-ACC-TTUBE-SMLL-16IN	FOSC Transportation tubing, small, 16 in (526767-000)
FOSC-ACC-TTUBE-SMLL-50FT	FOSC Transportation tubing, small, 50 ft (829333-000)
FAK-MULDRP-45-BASIC-4W	FOSC Gel wrap, 4 cables, 10 pcs (B48230-000)
FAK-MULDRP-45-4W-DRP	FOSC Gel tape wrap, all FOSC450 closures - 2 or 4 cable capacity, no cable attachments (41606V-000)
FAK-MULDRP-45-SEAL-FLAT4	FOSC Gel drop seal for adding flat drop cables, FOSC450 B, BS, C, D closures (CZ3388-000)
SMOUV-1120-01	SMOUV Fiber optic splice heat shrink protective sleeves, 100-pack (369305-000)

For more FOSC configurations, visit goo.gl/emmoqs

2C Gator 12F Splice Closure

Gator splice closure is a small butt splice closure primarily designed for splicing two loose tube "flat drop" style cables of 1 to 12 fibers in above grade, below grade, and direct buried applications.



FDSC-GATOR-12F-T	12F splice closure, 10/pk. 7.5" x 5.8" x 1.2" (MR3919-000)
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For Gator accessories, visit: goo.gl/1ilAQD

2C Optical Fiber Distribution Closure Series

CommScope offers the industry's most versatile outdoor fiber distribution closure (OFDC) family. Including three different series, the OFDC family accepts a wide range of distribution and drop cables thus responding to virtually all applications requirements. Each series has a common housing that can be configured to handle different connectivity solutions, such as splice-only, pre-connectorized drop cables, and field-installable connectors (FIC)—significantly simplifying training. Modularly built, it allows easy integration of optical components, even at later deployment stages, and easy pass-through cabling. Advanced gel sealing technology ensures fast and easy field handling without a need for special tools.



OFDC A4 Series



OFDC B8G Series



OFDC C12 Series

Part Number	Description
OFDC A4 Series	
OFDC-A4-NN/00-NN-N-24	OFDC- A4 splice only, no patch panel
OFDC-A4-S2/00-NN-N-24	OFDC- A4 patch panel, no pigtails, no adapters
OFDC-A4-S2/44-NN-N-24	OFDC- A4 4SC/APC pigtails and adapters installed
OFDC-A4-L2/88-NN-N-24	OFDC- A4 8LC/APC pigtails and four duplex adapters installed
OFDC B8G Series	
OFDC-B8G-NN/00-NN-N-66	OFDC-B8G splice only
OFDC-B8G-S2/00-NN-N-66	OFDC-B8G patch panel, no pigtails, no adapters
OFDC-B8G-S2/880-NN-N-66	OFDC-B8G 8 SC/APC pigtails and adapters installed
OFDC-B8G-L2/GG-NN-N-66	OFDC-B8G 16 LC/APC pigtails and eight duplex adapters installed
OFDC C12 Series	
OFDC-C12-NN/00-NN-N-96	OFDC-C12 splice only
OFDC-C12-S2/00-NN-N-96	OFDC-C12 patch panel, no pigtails, no adapters
OFDC-C12-S2/TT-NN-N-96	OFDC-C12 12 SC/APC pigtails and adapters installed
OFDC-C12-L2/VV-NN-N-96	OFDC-C12 24 LC/APC pigtails and 12 duplex adapters installed

2D Multiport Service Terminals (MST)

Multiport Service Terminals (MST) feature full-sized hardened adapters in an environmentally sealed enclosure. Terminated at the factory, the MST is designed for use in a variety of drop cable applications. The no-splice, plug-and-play cables and connectors make it quick and simple to install.



Terminal Model

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

Cable Type

A	Dielectric – Flat – Loose Tube
B	Locatable – Flat – Loose Tube
C	Armored – Round – Loose Tube



Mounting Style*

U	Universal: Terminal is on top of the spool, stub deploys first
A	Reverse Spool: Terminal is on the bottom of the spool, terminal deploys first

*0 - 300' length of cable is utomatically coiled (option U), greater than 300' cable length, chose U or A option.

Cable Stub Length

0050	50 Feet
0100	100 Feet
0250	250 Feet
0500	500 Feet
0750	750 Feet
1000	1000 Feet
1500	1500 Feet
2000	2000 Feet

Standard lengths shown.

For more information on multiport service terminals, visit: goo.gl/2Jmb77

2D Mini Multiport Service Terminals (MST)

The mini MST incorporates DLX® hardened adapters resulting in a much smaller terminal package than available with previous generations. Mini MSTs are environmentally sealed terminals that withstand all the rigors of the OSP environment. The terminals are factory-terminated with individual connectors and provided with a stub cable for splicing in the field.



MST-XX-

Terminal Model

04

4-Port

06

6-Port

08

8-Port

12

12-port

0N

1x4 Splitter

0J

1x8 Splitter

Cable Termination

00

Pigtail (No connector)

X0

DLX connector
(only available on splitter modules)

Cable Type

A

Dielectric – flat – loose tube

B

Locatable/tonable – flat – loose tube

Mounting Style*

U

Universal: Terminal is on top of the spool, stub deploys first

A

Reverse Spool: Terminal is on the bottom of the spool, terminal deploys first

Cable Stub Length

0050

50 Feet

0100

100 Feet

0250

250 Feet

0500

500 Feet

0750

750 Feet

1000

1000 Feet

1500

1500 Feet

2000

2000 Feet

* 0 - 300' length of cable is utomatically coiled (option U), greater than 300' cable length, chose U or A option.

Cable lengths shown are for example; additional cable lengths are available in feet or meters upon request

For more information on the mini MST with DLX, visit: goo.gl/Z26WV0

12 FTTH solutions North America

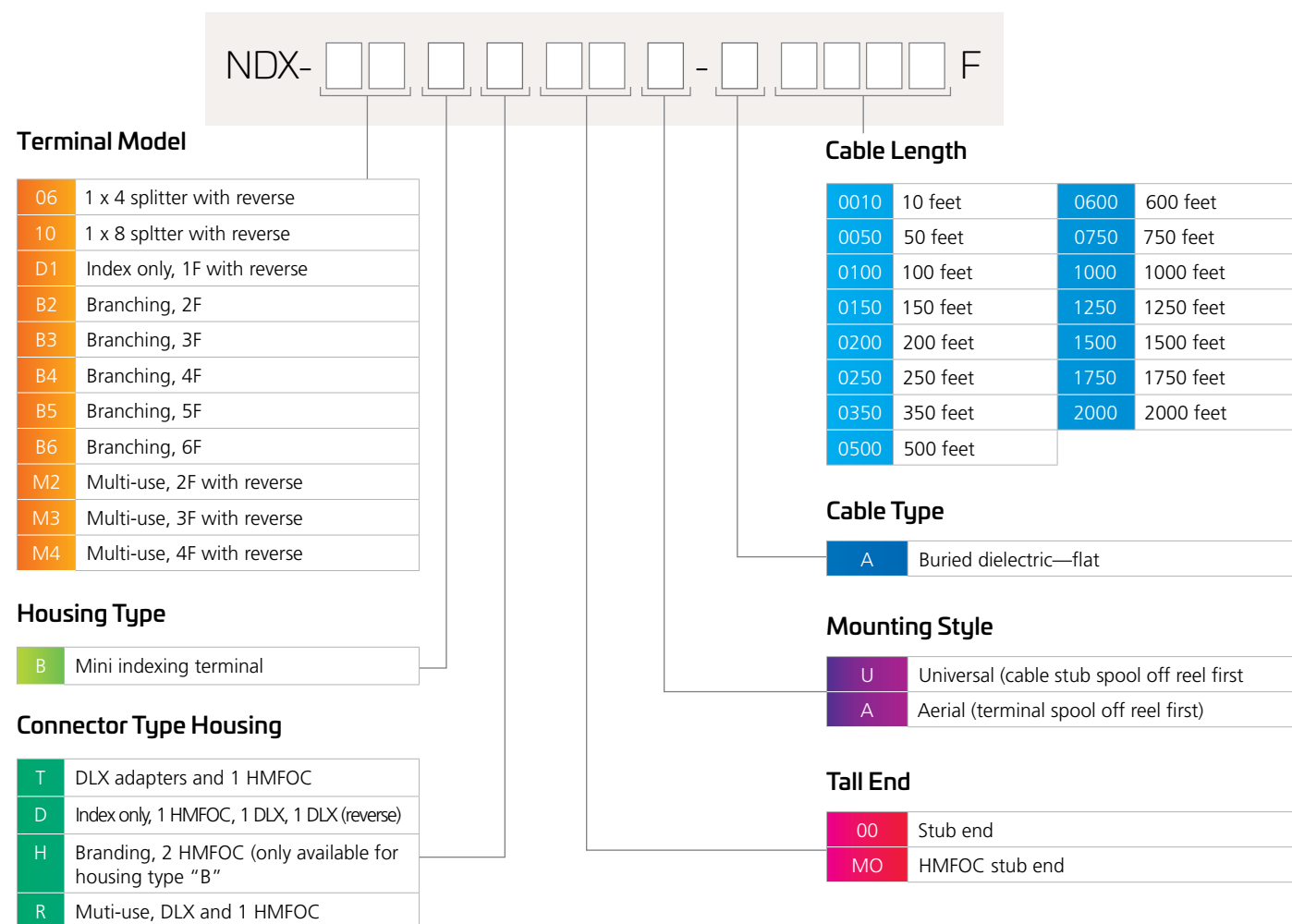
2D Fiber Indexing Terminals (NDX Series)

With innovative fiber indexing technology, the benefits of plug-and-play hardened connectivity are dramatically increased. Designed specifically for fiber indexing deployments, fiber indexing terminals give providers pole, pedestal, or hand-hole mounting options, and are designed for quick and easy installation. When deployed in a daisy-chain architecture, fiber indexing terminals have all the advantages of the access terminals portfolio—speed, flexibility, and density— plus, they save the network provider as much as 70 percent of their fiber cabling budget. In fiber indexing, up to 12 terminals are daisy-chained in a series. This allows a fast and repeatable “cookie-cutter” approach to network design and deployment. The efficient modular design enables efficient, cost-effective connections for new subscribers and services, while allowing providers to take a pay-as-you-grow approach to FTTx deployment.



“Want to learn more about Fiber indexing?”

https://www.youtube.com/watch?time_continue=43&v=pb83nT0Nsll



2D Flexible Service Terminals

The flexible service terminal (FST) series is designed specially for fast, easy network connections in space-constrained environments. A small terminal unit attached to staggered-length connector cables gives installers maximum flexibility in the tightest, most challenging install situations. Hardened fiber stubs make for fast, reliable, plug-and-play distribution to customer premises. The FST's unique design also simplifies maintenance, as the flexible hardened adapter stubs are easy to clean and reconnect without removing the terminal from its installed position.

This factory-sealed terminal withstands harsh outside plant conditions, and is an ideal option for spaces such as handholes or congested pits where moisture is possible. The small unit's flexible structure gives technicians a wealth of install options—it's a simple solution that can reduce or even eliminate the costs of civil works and construction.



Part Number	Description
FST-T SERIES	
FST-T-04NHM2-A0001F	FST 4 port, 4 full-size hardened adapters at drop side, 1 HMFOC Stub (no Pins/Plug) at feeder side, black, 1 ft long
FST-T-08NHM2-A0001F	FST 8 port, 8 full-size hardened adapters at drop side, 1 HMFOC Stub (no Pins/Plug) at feeder side, black, 1 ft long
FST-T-12NHM2-A0001F	FST 12 port, 12 full-size hardened adapters at drop side, 1 HMFOC Stub (no Pins/Plug) at feeder side, black, 1 ft long
FST-T-04NHM1-A0001F	FST 4 port, 4 full-size hardened adapters at drop side, 1 HMFOC Stub (Pinned/Jack) at feeder side, black, 1 ft long
FST-T-08NHM1-A0001F	FST 8 port, 8 full-size hardened adapters at drop side, 1 HMFOC Stub (Pinned/Jack) at feeder side, black, 1 ft long
FST-T-12NHM1-A0001F	FST 12 port, 12 full-size hardened adapters at drop side, 1 HMFOC Stub (Pinned/Jack) at feeder side, black, 1 ft long
FST-T-04NXM2-A0001F	FST 4 port, 4 Mini-size (DLX) hardened adapters at drop side, 1 HMFOC Stub (no Pins/Plug) at feeder side, black, 1 ft long
FST-T-08NXM2-A0001F	FST 8 port, 8 Mini-size (DLX) hardened adapters at drop side, 1 HMFOC Stub (no Pins/Plug) at feeder side, black, 1 ft long
FST-T-12NXM2-A0001F	FST 12 port, 12 Mini-size (DLX) hardened adapters at drop side, 1 HMFOC Stub (no Pins/Plug) at feeder side, black, 1 ft long
FST-T-04NXM1-A0001F	FST 4 port, 4 Mini-size (DLX) hardened adapters at drop side, 1 HMFOC Stub (Pinned/Jack) at feeder side, black, 1 ft long
FST-T-08NXM1-A0001F	FST 8 port, 8 Mini-size (DLX) hardened adapters at drop side, 1 HMFOC Stub (Pinned/Jack) at feeder side, black, 1 ft long
FST-T-12NXM1-A0001F	FST 12 port, 12 Mini-size (DLX) hardened adapters at drop side, 1 HMFOC Stub (Pinned/Jack) at feeder side, black, 1 ft long
FST-S SERIES	
FST-S-HH04-N00-4	FST 4 port, 4 full-size hardened adapters at drop side, 1x4 Splitter, 1 full-size adapter at input side, 1.5 ft long
FST-S-HH08-N00-8	FST 8 port, 8 full-size hardened adapters at drop side, 1x8 Splitter, 1 full-size adapter at input side, 1.5 ft long

2D Mini Optical Termination Enclosures (OTE)

CommScope's Optical Termination Enclosure (OTE) portfolio was specifically designed to streamline and speed the deployment of fiber while delivering long-lasting reliability, and ultimately peace of mind.



The Mini OTE 300 Series was designed with almost limitless choice for styles and configurations to accommodate nearly every unique deployment need.

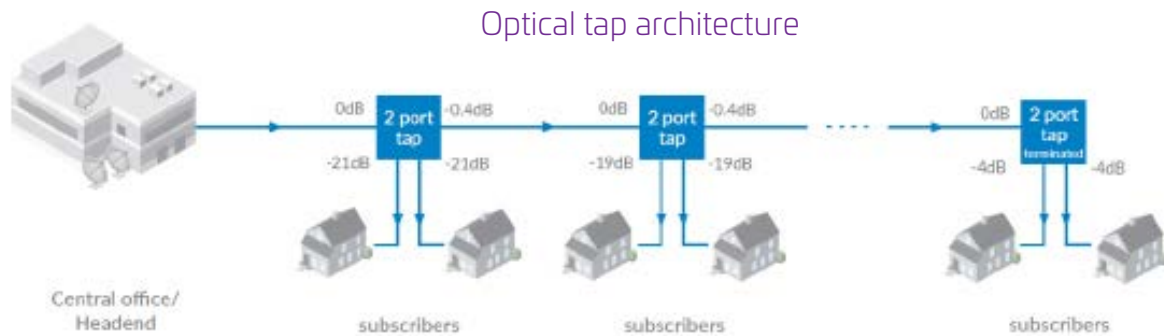
For more information on the OTE portfolio, visit: goo.gl/U2Vdjg

Part Number	Description
Mini-OTE 300-Series	
OTE-02MH-NN-EXTG03	Mini-OTE 300-Series, 2-port full-size adapters, no splitter, black, with grounding, external mounting
OTE-04MH-NN-EXTG03	Mini-OTE 300-Series, 4-port full-size adapters, no splitter, black, with grounding, external mounting
OTE-06MH-NN-EXTG03	Mini-OTE 300-Series, 6-port full-size adapters, no splitter, black, with grounding, external mounting
OTE-08MH-NN-EXTG03	Mini-OTE 300-Series, 8-port full-size adapters, no splitter, black, with grounding, external mounting
OTE-12MH-NN-EXTG03	Mini-OTE 300-Series, 12-port full-size adapters, no splitter, black, with grounding, external mounting
OTE-02MX-NN-EXTG03	Mini-OTE 300-Series, 12-port mini-size (DLX®) adapters, no splitter, black, with grounding, external mounting
OTE-04MX-NN-EXTG03	Mini-OTE 300-Series, 4-port mini-size (DLX®) adapters, no splitter, black, with grounding, external mounting
OTE-06MX-NN-EXTG03	Mini-OTE 300-Series, 6-port mini-size (DLX®) adapters, no splitter, black, with grounding, external mounting
OTE-08MX-NN-EXTG03	Mini-OTE 300-Series, 8-port mini-size (DLX®) adapters, no splitter, black, with grounding, external mounting
OTE-12MX-NN-EXTG03	Mini-OTE 300-Series, 12-port mini-size (DLX®) adapters, no splitter, black, with grounding, external mounting
OTE-02MH-12-EXTG03-U23	Mini-OTE, 300-Series, 2 port full-size adapters, 1x2 FBT Splitter, with grounding, field splice input
OTE-04MH-14-EXTG03-U23	Mini-OTE, 300-Series, 4 port full-size adapters, 1x2 FBT Splitter, with grounding, field splice input
OTE-08MH-18-EXTG03-U23	Mini-OTE, 300-Series, 8port full-size adapters, 1x2 FBT Splitter, with grounding, field splice input

Part Number	Description
Mini-OTE 300 Series Accessories	
OTE-M-MAIN-SUB-KIT	Mini-OTE 300 Set of 5 Consumable Sub-kits
OTE-M-POLEMNT-BRKT	Mini-OTE 300-Series, Optical Terminal Pole Mounting Bracket (SP=1)
OTE-M-STRAND-BRKT	Mini-OTE 300/400-Series, Optical Terminal Strand Mounting Bracket SP= 1 Kit (1 Bag/2 brackets), 5 Kits per box

2D Mini Optical Termination Enclosures (OTE) with Drop Taps

An alternative to the split centralized topology is a cascaded tap architecture (Figure 3). In this case, fiber optic taps are used instead of splitters, and the topology is laid out in a linear, daisy-chain fashion. Optical tap architecture offers a cost-optimized solution for rural or low-density FTTH deployment. When configured with optical taps, the Mini-OTE 300 provides reduced FTTH deployment costs and improved business case—thus helping secure project funding for rural or low-density communities.



Part Number	Description
4 port Mini-OTE 300 with 2 Drop Taps	
OTE-04MH-12-04TG03	Mini-OTE 300 , 4 port, full-size adapters, 1x2 Terminating Tap 4dB, 2 Output ports and Tap Input port, with grounding
OTE-04MH-12-050G03	Mini-OTE 300, 4 port, full-size adapters, 1x2 Tap 5dB, 2 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-04MH-12-070G03	Mini-OTE 300, 4 port, full-size adapters, 1x2 Tap 7dB, 2 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-04MH-12-080G03	Mini-OTE 300, 4 port, full-size adapters, 1x2 Tap 8dB, 2 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-04MH-12-100G03	Mini-OTE 300, 4 port, full-size adapters, 1x2 Tap 10dB, 2 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-04MH-12-120G03	Mini-OTE 300, 4 port, full-size adapters, 1x2 Tap 12dB, 2 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-04MH-12-140G03	Mini-OTE 300, 4 port, full-size adapters, 1x2 Tap 14dB, 2 Output ports, Tap Input port and Tap Thru port, with with grounding
OTE-04MH-12-150G03	Mini-OTE 300, 4 port, full-size adapters, 1x2 Tap 15dB, 2 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-04MH-12-170G03	Mini-OTE 300, 4 port, full-size adapters, 1x2 Tap 17dB, 2 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-04MH-12-190G03	Mini-OTE 300, 4 port, full-size adapters, 1x2 Tap 19dB, 2 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-04MH-12-210G03	Mini-OTE 300, 4 port, full-size adapters, 1x2 Tap 21dB, 2 Output ports, Tap Input port and Tap Thru port, with grounding
8 port Mini-OTE 300 with 4 Drop Taps	
OTE-08MH-14-07TG03	Mini-OTE 300, 8 port, full-size adapters, 1x4 Terminating Tap 7dB, 4 Output ports, Tap Input port, with grounding
OTE-08MH-14-090G03	Mini-OTE 300, 8 port, full-size adapters, 1x4 Tap 9dB, 4 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-08MH-14-100G03	Mini-OTE 300, 8 port, full-size adapters, 1x4 Tap 10dB, 4 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-08MH-14-110G03	Mini-OTE 300, 8 port, full-size adapters, 1x4 Tap 11dB, 4 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-08MH-14-130G03	Mini-OTE 300, 8 port, full-size adapters, 1x4 Tap 13dB, 4 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-08MH-14-150G03	Mini-OTE 300, 8 port, full-size adapters, 1x4 Tap 15dB, 4 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-08MH-14-170G03	Mini-OTE 300, 8 port, full-size adapters, 1x4 Tap 17dB, 4 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-08MH-14-190G03	Mini-OTE 300, 8 port, full-size adapters, 1x4 Tap 19dB, 4 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-08MH-14-210G03	Mini-OTE 300, 8 port, full-size adapters, 1x4 Tap 21dB, 4 Output ports, Tap Input port and Tap Thru port, with with grounding
12 port Mini-OTE 300 with 8 Drop Taps	
OTE-12MH-18-11TG03	Mini-OTE 300, 12 port, full-size adapters, 1x8 Terminating Tap 11dB, 8 Output ports and Tap Input port, with grounding
OTE-12MH-18-120G03	Mini-OTE 300, 12 port, full-size adapters, 1x8 Tap 12dB, 8 Output ports, Tap Input port and Tap Thru port, with with grounding
OTE-12MH-18-140G03	Mini-OTE 300, 12 port, full-size adapters, 1x8 Tap 14dB, 8 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-12MH-18-150G03	Mini-OTE 300, 12 port, full-size adapters, 1x8 Tap 15dB, 8 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-12MH-18-170G03	Mini-OTE 300, 12 port, full-size adapters, 1x8 Tap 17dB, 8 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-12MH-18-190G03	Mini-OTE 300, 12 port, full-size adapters, 1x8 Tap 19dB, 8 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-12MH-18-210G03	Mini-OTE 300, 12 port, full-size adapters, 1x8 Tap 21dB, 8 Output ports, Tap Input port and Tap Thru port, with grounding
OTE-12MH-18-220G03	Mini-OTE 300, 12 port, full-size adapters, 1x8 Tap 22dB, 8 Output ports, Tap Input port and Tap Thru port, with grounding

2E FHD Drop Cables

FHD drop cables are ruggedly designed and hardened to protect from extreme outside plant temperatures, moisture, and chemicals. Backward-compatible with older generations of hardened and nonhardened connector systems, FHD drop cable integrates seamlessly into existing fiber optic networks. This series offers a large variety of cable types and innovative configurations.

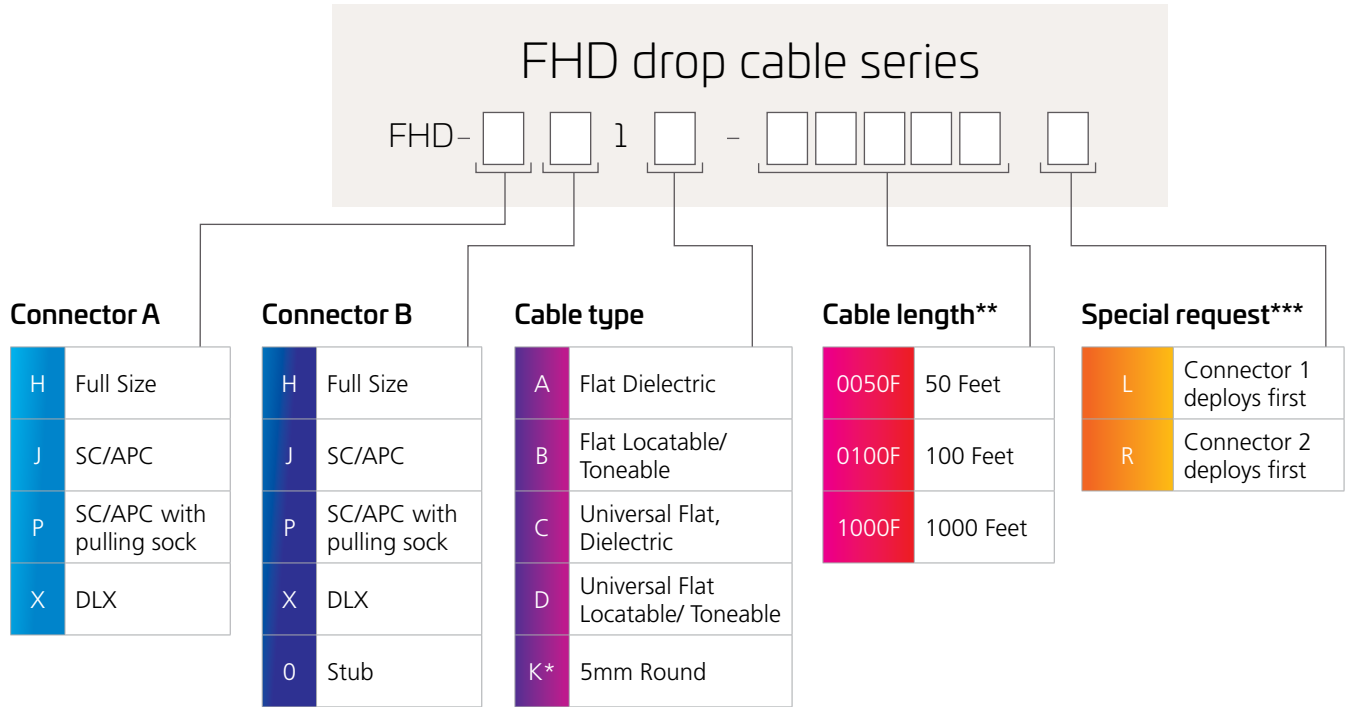


The ultimate plug-and-play solution for durable and reliable service connections

- Technician friendly to greatly simplify installation and maintenance by minimizing splicing
- Cost-effective solutions that contribute to lower overall costs
- Available with one or both ends connectorized
- Available in standard lengths, from 50 to 1,000 feet
- Available in dielectric and toneable hardened cable



Universal drop cable



* Cable type K only offered with Full Size to Stub option (FH0-H01K-*)

** Cable length shown as an example, additional cable lengths available upon request.

*** Special request feature not available with cable type K.
DLX drops are automatically coiled 0 to 500 ft unless the "L" or "R" is specified.
Full size drops are automatically coiled 0 to 1,000 ft unless the "L" or "R" is specified.

For more information on hardened drop cables, visit: goo.gl/2Jmb77

2E MHD Multifiber Drop Cables

Another innovation in drop cable technology that is changing the outside plant landscape is our MHD multifiber hardened drop cable. This multifiber cable incorporates 12 optical fibers in a single hardened design, and is terminated with a factory-sealed hardened multifiber fiber-optic connector (HMFOC). This assembly has a 12-fiber MT (mobile terminated) ferrule enclosed in a water-sealed connector housing for outside plant applications

Factory terminated and environmentally sealed for optical drop cable deployments

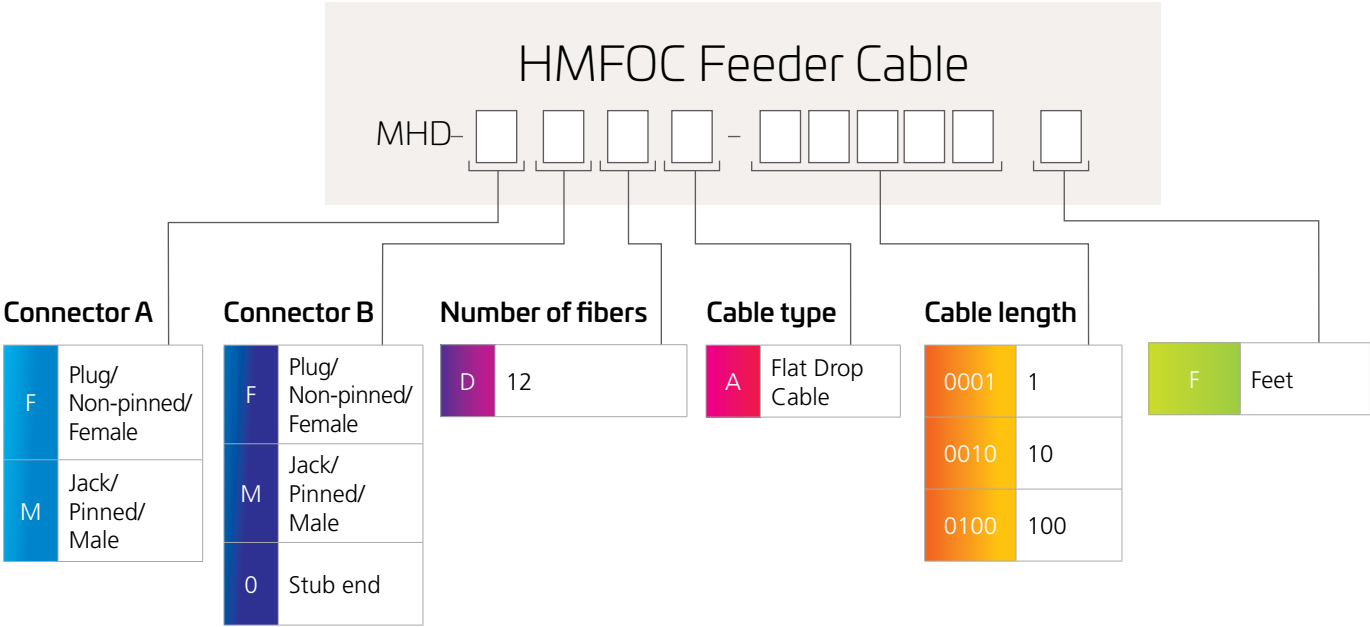
- Hardened connector technology designed to withstand rugged outside plant environments
- Simplifies installation and maintenance by reducing splicing requirements in the distribution network



Figure 1: HMFOC Plug /Non-pinned/ Female

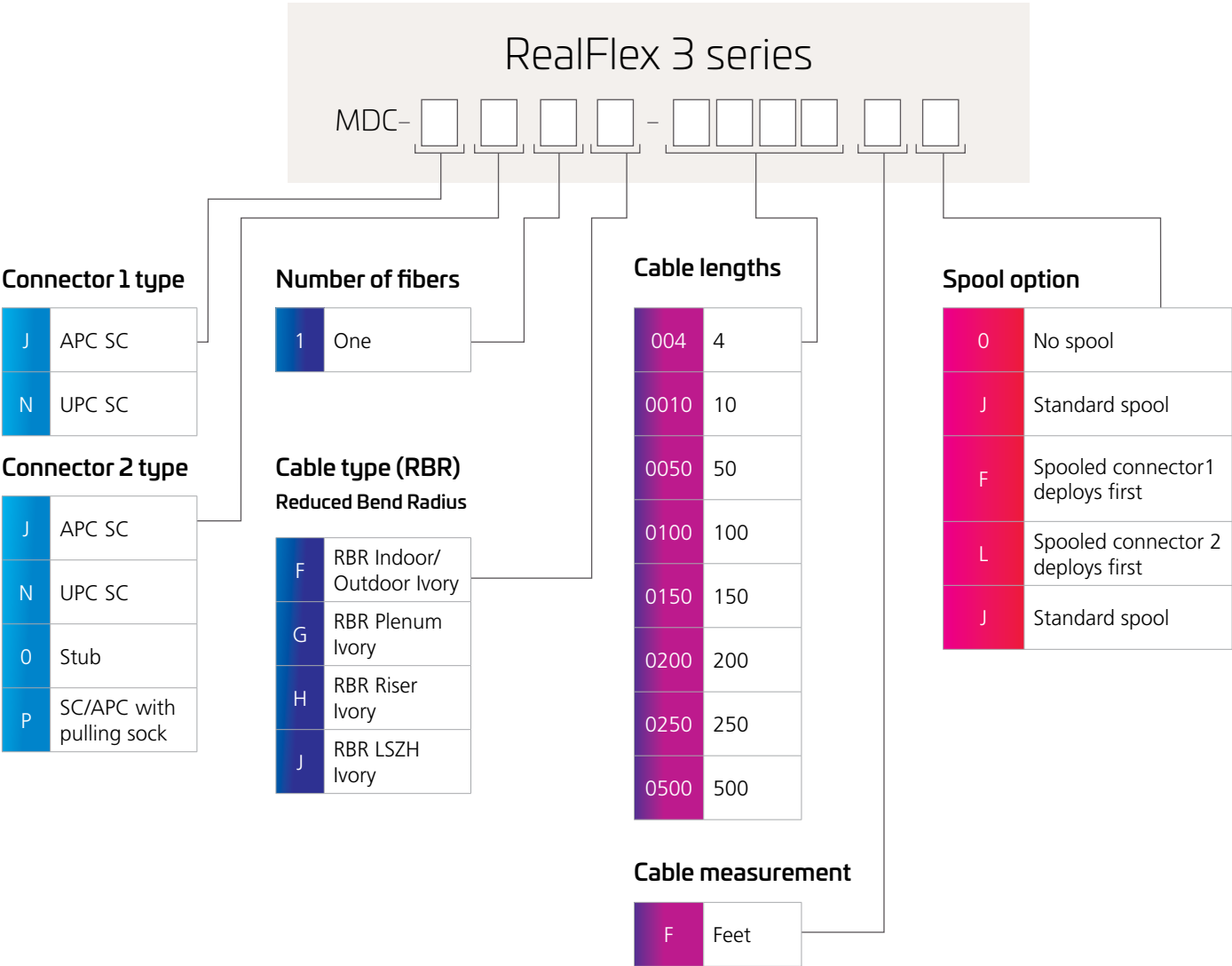


Figure 2: HMFOC Jack /Pinned/ Male



2E RealFlex® Pushable Hardened Drop Cables

CommScope’s Pushable Hardened Drop cable is the latest development in our expanding drop cable portfolio. The Pushable drop is a dielectric Indoor/Outdoor drop cable, factory terminated with a Full Size SC/APC or DLX hardened connector to a stub end.



2E Hardened Drop Cables with DLX®

DLX® drop cable utilizes miniature fiber optic connectors to speed deployment of outside plant fiber cabling networks. The compact, DLX connector design allows the drop cable to be installed in tight conduit space, and requires smaller, less intrusive holes in buildings. This minimizes the need for construction and ensures more cost savings when service turn up is required. The miniature connectors also allow the use of smaller enclosures and service terminals—allowing more flexibility for installing on poles, hand holes and other space limited environments.

FHD - X

1

-


F

Connector 2

O	Stub
X	DLX Connector
J	SC/APC Connector
P	SC/APC Connector with pulling sock

Cable Type

A	Dielectric/Flat
B	Locatable/Flat
C	Universal flat drop dielectric
D	Universal flat locatable/toneable



Universal drop cable

Special Request*

	Coiled
L	Spoiled: Connector 1 deploys first from spool
R	Spoiled: Connector 2 deploys first from spool

* Cable length 0 - 1000 FT is automatically coiled unless the code "L" or "R" is specified.

Length*

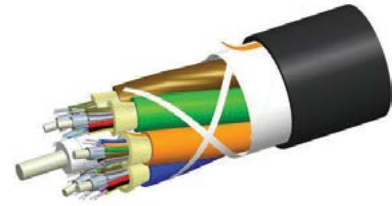
0050	50 Feet
0100	100 Feet
0200	200 Feet
0250	250 Feet
0300	300 Feet
0350	350 Feet
0400	400 Feet
0450	450 Feet
0500	500 Feet
0600	600 Feet
0700	700 Feet
0800	800 Feet
0900	900 Feet
1000	1000 Feet
1100	1100 Feet
1200	1200 Feet
1300	1300 Feet
1400	1400 Feet
1500	1500 Feet
1600	1600 Feet
1700	1700 Feet
1800	1800 Feet
1900	1900 Feet
2000	2000 Feet

For more information on DLX drop cables, visit: goo.gl/Z26WV0

* Cable lengths shown are for example; additional cable lengths are available in feet or meters upon request

2F Fiber Cables

Outside plant fiber-optic cables that are suitable for applications such as direct burial in trenches, preinstalled in conduit, lashed to aerial utility poles and messenger options for self-supporting features or installation in pavement.



Part Number	Description
R-001-DN-8G-F01BE/SP18/RNB1	All-dielectric indoor/outdoor drop cable, 1 fiber tight buffer construction, riser, drop all-dielectric, reel in box, 1000 FT (810009225/DB)
R-001-SP-8G-F29IV/WB/RNB1	All-dielectric indoor/outdoor riser simplex cable, reel in box, 1000 FT (900003177/DB)
R-001-DN-8G-F49IV/SP29/RNB1	All-dielectric indoor/outdoor drop cable, 1 fiber tight buffer construction, riser, drop all-dielectric (810009230/DB)

Self-supporting all-dielectric outdoor drop cable, arid core construction, central loose tube

O-001-DF-8W-F01NS	Sing fiber,
O-012-DF-8W-F12NS	12 Fiber

Single jacket/single armor, gel-free, outdoor stranded loose tube cable

D-012-LA-8W-F12NS	12 Fiber
D-024-LA-8W-F12NS	24 Fiber
D-048-LA-8W-F12NS	48 Fiber
D-096-LA-8W-F12NS	96 Fiber
D-144-LA-8W-F12NS	144 Fiber
D-288-LA-8W-F12NS	288 Fiber

Single jacket all-dielectric, gel-free, outdoor stranded loose tube cable

D-012-LN-8W-F12NS	12 Fiber
D-024-LN-8W-F12NS	24 Fiber
D-048-LN-8W-F12NS	48 Fiber
D-096-LN-8W-F12NS	96 Fiber
D-144-LN-8W-F12NS	144 Fiber
D-288-LN-8W-F12NS	288 Fiber

Blown micro single jacket all-dielectric outdoor stranded loose tube Arid-Core® construction cable

B-012-LN-8W-F12NS/16G	12 Fiber
B-024-LN-8W-F12NS/16G	24 Fiber
B-048-LN-8W-F12NS/16G	48 Fiber
B-096-LN-8W-F12NS/16G	96 Fiber
B-144-LN-8W-F12NS/16G	144 Fiber

For more OSP fiber cables, visit goo.gl/quPGbK



3 Premises and multidwelling units

Multidwelling units (MDUs) present many challenges for service providers deploying FTTH networks.

They must deal with complex layouts, architectural obstacles, and local regulations. Access to customer apartments and the telecoms room can sometimes be difficult, so installers need to get the job done quickly. Our innovative solutions help you:

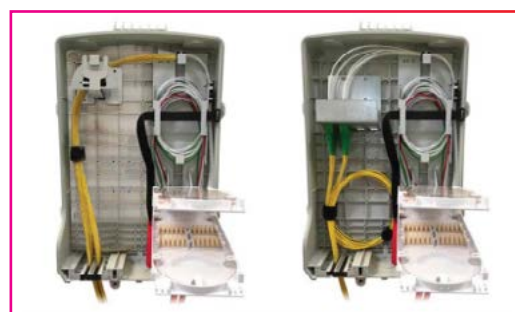
- Deploy fiber throughout the building quickly and efficiently
- Reduce the time needed for service activation, and
- Ensure high quality and performance despite the high customer churn common in MDUs

A wide variety of distribution hubs are available to fit any kind of MDU. We also design and manufacture fiber-optic wall-mount enclosures and distribution terminals, as well as faceplates and outlets.

3A Premises and MDU

BUDI with FOSC Trays

The CommScope BUDI with FOSC trays family is ideal for small to medium sized buildings. It provides a flexible fiber management system for transitioning outside plant cable to indoor cable via splicing or with connectorized cable assemblies. It incorporates proven fiber routing procedures, cable termination accessories and splice trays resulting in consistent, high-quality fiber management. Available add-on passive optical modules support the new G/EPON architecture.



Splice only version

Splice and patch version with SC connectors

Part Number	Description
BUDI-FS-SPNNNN-US00	Includes 2 FOSC trays for 12/24 splice only
BUDI-FS-TS212-US00	Includes 2 FOSC trays, 12 adapters/pigtail SC/APC installed
BUDI-FS-TS224-US00	Includes 2 FOSC trays, 24 adapters/pigtail SC/APC installed

3A OWB-S Fiber Optic Wall Box

OWB-S provides environmental and mechanical protection for the fiber management system in a small, wall-mountable fiber box. It includes functions for storage, splicing, patching and passive component integration. Designed for wall mount locations, the OWB-S is typically used as a premises connection device in FTTH network, but can also be used in other above-ground applications. A variety of possible configurations are accommodated.



Part Number	Description
OWB-S-S0-S24-NN-W-L-US	OWB Fiber optic wall mount fiber box, 4 SC/APC adapters, fusing splice, no fuse splice protectors, no splitters

For more wall box configurations, visit goo.gl/WLFz8r

3B RealFlex® 3 Indoor/Outdoor Cable

RealFlex® 3 drop cables allow for a fiber bend radius as small as 7.5 mm without increasing optical loss, and improve insertion loss (IL) performance for 90 degree bends. They are ruggedly designed for maximum flexibility, handling and performance. RealFlex 3 drop cables are available in Indoor/Outdoor, Riser and Plenum cable types for use in residential, business and multiple dwelling unit (MDU) structures.



Part Number	Description
Final Jumper OWB to ONT	
MDC-JJ1F-0010F0	RealFlex 3 Fiber optic drop cable, SC/APC to SC/APC, RBR indoor/outdoor, ivory, 10 ft
MDC-JJ1F-0015F0	RealFlex 3 fiber optic drop cable, SC/APC to SC/APC, RBR indoor/outdoor, ivory, 15 ft
MDC-JJ1F-0020F0	RealFlex 3 fiber optic drop cable, SC/APC to SC/APC, RBR indoor/outdoor, ivory, 20 ft

For more indoor/outdoor cable configurations, visit goo.gl/O0893G

CommScope pushes the boundaries of communications technology with game-changing ideas and ground-breaking discoveries that spark profound human achievement. We collaborate with our customers and partners to design, create and build the world's most advanced networks. It is our passion and commitment to identify the next opportunity and realize a better tomorrow. Discover more at commscope.com



commscope.com

Visit our website or contact your local CommScope representative for more information.

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