Wall Box Solutions

Indoor/Outdoor Fiber Terminals, Cabinets and Boxes for FTTx

Contents

Introduction

CommScope: The Connectivity Leader in Fiber Wall Box Solutions

No matter what your network requirements are, CommScope has a complete portfolio of wall box solutions available to meet your fiber connectivity needs. In today's competitive marketplace, every subscriber counts, which demands service providers to be more strategic in their network plans and fiber deployments. To satisfy customers' bandwidth requirements, service providers need to build their networks smarter, faster and more efficiently. At the same time, increased competition in the marketplace is pressuring providers to reduce unnecessary capital and operating expenses wherever possible. These challenges can have a major impact on service providers' bottom line. Ultimately, choosing network equipment that addresses flexibility and future capacity is vital to building and sustaining a cost-effective and profitable network. CommScope's wall box solutions help to address these challenges, and offer customers' unrivaled quality, performance and reliability for the multifaceted needs of tomorrow's networks.

CommScope Wall Box Portfolio

CommScope wall boxes are designed for use in both in-building and outside plant environments—from the CO/Head End to the customer premises locations.

- Offer an unrivaled breadth of low to high density solutions with superior cable management
- "Right sized" enclosures meet space requirements for a variety of environments
- Proven reliability in fiber networks
- Modular, "build as you grow" flexibility
- Promotes fast service turn ups

Cable Management

The management of the fiber cables has a direct impact on network reliability, performance and cost. CommScope's wall box solutions incorporate the four elements of a successful cable management system:

- Integrated bend radius protection
- Clear, intuitive cable routing paths
- Easy connector and cable access
- Physical protection of fiber

Performance

CommScope's wall box solutions are designed to perform in the most rigorous customer applications and in a variety of fiber environments.

- Created for longevity and low life-cycle cost
- Ensure fast and easy installation
- Engineered for easy expansion and for cost-effective upgrades
- Withstands harsh inside and outside environmental conditions

Innovation

Many CommScope wall box solutions incorporate the latest in cutting-edge technology, helping to deliver unmatched savings in installation time, labor costs and performance in all fiber networks.

- RapidReel fiber cable spool allows the cable to payoff directly from the enclosure assembly—speeds installation and reduces labor requirements
- Reduced bend radius fiber eliminates attenuation caused from macro bends; and allows for tighter slack storage spools and promotes the use of smaller enclosure
- Low-loss MPO connectors promote the use of easier handing and routing of cables
- Unique swing-frame design allows easy technician access to connectors and fibers for MACS
- Plug-and-play technology reduces splice labor requirements and speeds service turn ups

Quality

CommScope strives to exceed customer expectations and is committed to delivering the highest quality products throughout the world. CommScope accomplishes this through continual improvement in customer satisfaction, supplier relationships and our business management system. ISO 9001 standards and statistical process controls help to keep CommScope's wall box equipment within strict specifications—serving the life of the product.

Products-at-a-glance

CommScope Solutions for Fiber Connectivity		Specifications		Application
	Mini Rapid Fiber Distribution Terminal (RDT) See page 9	**Installation Type** **Size (HxWxD)** **Fibers** **Splice Capabilities** **RapidReel**	Indoor 7.9"x5.5"x2.4" 12 No Yes	• Basements • Premises Locations • Campuses • In-building • FTTH Deployments • Wireless Backhaul • MSO
	Outdoor Mini Rapid Fiber Distribution Terminal (EFDT) See page 11	**Installation Type** **Size (HxWxD)** **Fibers** **Splice Capabilities** **RapidReel**	Outdoor 10.4"x7.05"x2.8" 12 No Yes	• Basements • Premises Locations • Campuses • In-building • FTTH Deployments • Wireless Backhaul
	Rapid Fiber Distribution Terminal (RDT) See page 13	**Installation Type** **Size (HxWxD)** **Fibers** **Splice Capabilities** **RapidReel**	Indoor 6"x9"x4" 12-24 Yes Yes	• Basements • Premises Locations • Campuses • In-building • FTTH Deployments • Wireless Backhaul
	Small Outdoor Fiber Distribution Terminal (OFDT) See page 14	**Installation Type** **Size (HxWxD)** **Fibers** **Splice Capabilities** **RapidReel**	Outdoor 13.5"x19"x8.25" 24 Yes No	• Interconnect • Entrance Rooms • Basements • Premises Locations • LANs • Campuses • In-building • FTTH Deployments • Wireless Backhaul • Base Station • Security • MSO • OSP • Metro Fiber Ring
	Large Outdoor Fiber Distribution Terminal (OFDT) See page 16	**Installation Type** **Size (HxWxD)** **Fibers** **Splice Capabilities** **RapidReel**	Outdoor 22"x20"x10" 96 Yes No	• Cross-connect • Interconnect • Entrance rooms • Basements • Premises • Locations • LANs • Campuses • In-building • FTTH Deployments • Wireless Backhaul • Base Station • Security • MSO • OSP • Metro Fiber Ring

Products-at-a-glance

CommScope Solutions for Fiber Connectivity	Specifications		Application
Fiber Distribution Terminals (iFDT) See pages 18	**Installation Type** **Size (HxWxD)** **Fibers** **Splice Capabilities** **RapidReel**	Indoor Varies 12-96 Yes No	• Campuses • In-building • FTTH Deployments • Wireless • Backhaul
FL1 Wall Boxes See page 20	**Installation Type** **Size (HxWxD)** **Fibers** **Splice Capabilities** **RapidReel**	Indoor Varies 12-72 Yes No	• Interconnect • Central Office • Entrance Rooms • Communications Rooms • Indoor
FL1 6pack Adapter Packs, Splice Trays, Hardware See pages 22			• FL1 Wall Box Applications
Flexible Fiber Box (FFB) See pages 25	**Installation Type** **Size (HxWxD)** **Fibers** **Splice Capabilities** **RapidReel**	Indoor/Outdoor 10.5"x12"x5" 24 Yes Yes	• Indoor/outdoor • Basements • Premis Locations • Wireless Backhaul • FTTA/FTTH/FTTCS
Fiber Splitter Box (FSB) See pages 28	**Installation Type** **Size (HxWxD)** **Fibers** **Splice Capabilities** **RapidReel**	Varies Varies 16-72 Yes No	• FTTH Deployments • Wireless Backhaul • MSO • Indoor/outdoor
FibrBoss PB06-S See pages 31	**Installation Type** **Size (HxWxD)** **Fibers** **Splice Capabilities** **RapidReel**	Indoor/Outdoor 5"x4"x2" 6 Yes No	• Indoor/outdoor • FTTH/FTTB • Interconnect
FibrBoss PB06-B See pages 32	**Installation Type** **Size (HxWxD)** **Fibers** **Splice Capabilities** **RapidReel**	Indoor/Outdoor 4.8"x6.4"x2.4" 6 Yes No	• Indoor/outdoor • FTTH/FTTB • Interconnect

Products-at-a-glance

CommScope Solutions for Fiber Connectivity		Specifications		Application
	Outdoor Wall Mounted Small Box (OWB-S) See pages 33	**Installation Type** **Size (HxWxD)** **Fibers** **Splice Capabilities** **RapidReel**	Outdoor 6.8"x8.3"x2.8" 4 Yes No	• Indoor/Outdoor • Wall/Pole Mount • FTTH
	Rapid Fiber Faceplate See pages 34			• Indoor • FTTH • Wall Mount
	Customer Wall Outlet (COWO) See pages 35			• Indoor • FTTH/FTTD
	Fiber Termination Unit (FTUO) See pages 36			• Indoor • FTTH • Wall Mount
	Customer Premises Wall Outlet (HFTP) See pages 37			• Indoor • FTTH/FTTD

Indoor Mini Rapid Fiber Distribution Terminal (RDT)

The indoor mini Rapid Fiber distribution terminal (RDT) is compact, high-density, fiber box solution, designed to speed installation requirements on the customer premises. Utilizing the RapidReel fiber cable spool, the mini RDT deploys up to 650' (198 m) of 12-fiber 3 mm plenum cable or 600' (183m) of 12-fiber 3.6mm indoor/outdoor cable. The multifiber cable terminates to a multifiber push-on connector (MPO), which ensures fast cable routing and handling by technicians. For service turn-up, the mini RDT features 12- SC/APC adapter ports for fast, plug-and-play drop cable connections. Incoming drops with a diameter up to 5mm is accepted.

The mini RDT is a cost-efficient system for deploying and managing fiber networks within small to mid-sized multiple dwelling unit (MDU) and multiple tenant unit (MTU) environments.

Features

- Compact design: 7.9 x 5.5 x 2.4 in (200 x 140 x 60 mm)

- RapidReel fiber cable spool deploys up to 100' (30 m) of stubbed cable

- 12-fiber cable is factory terminated with a low-loss MPO connector

- Equipped with 4, 8 or 12 SC/APC adapter ports

- Plastic construction – no grounding required

- Removable cover and adapter housing

- Screw mounts to a wall or flat surface

- Security screw holds cover in place

- Flexible cable routing: Distribution cable can exit from bottom or side of unit

- Splitter option allows construction of a distibuted network architecture

Indoor Mini RDT

Benefits

- Cost Savings: RapidReel cable spool reduces upfront deployment costs by eliminating site survey inspections, reducing labor hours and streamlining cable requirements

- Reduced Labor: Preconnectorized plug-and-play solution eliminates splice labor requirements and speeds network construction

- Easy Access: Technician friendly, the mini RDT provides easy access to connectors for service and maintenance

- Space Savings: Compact MPO connector design and multi-fiber cable is ideal for high density intrafacility applications. Excess fiber is stored within unit, no additional enclosures are required

Specifications	
Installation Type:	Indoor
Fibers:	12
Splice Trays:	N/A
Cable Ports:	1 Bottom
Rating:	UL
Height:	7.9" (200mm)
Width:	5.5" (140 mm)
Depth:	2.4" (60mm)

Outdoor Mini Rapid Fiber Distribution Terminal (EFDT)

RapidReel cable payout spool speeds installation requirements and lowers deployment costs

Plug-and-play technology eliminates splice labor requirements and speeds service connections

RDT - S M _ _ _ 0 0 _ _ _ _ _ _ _

Enclosure Type

M	12 Fiber plastic

Cable Count

04	4
08	8
12	12

Connector Type

J	SC/APC
K	LC/UPC
L	LC/APC
N	SC/UPC

Cable Type

D	Indoor/outdoor 3.6mm black
P	3 mm loose tube ivory plenum

[1] External spool included for plenum cable lengths over 100' (30m) and indoor/outdoor cable over 50' (15m)

Enclosure End Configuration

9	900 μm - standard

Fanout

J	SC/APC
K	LC/UPC
L	LC/APC
N	SC/UPC

Stubbed End Configuration

A	MPO connector
O	No connector

Cable Length (Plenum)[1]

030	30 meters (100')
061	61 meters (200')
092	92 meters (300')
122	122 meters (400')
152	152 meters (500')
183	183 meters (600')

Cable Length Riser[1]

015	15 meters (50')
030	30 meters (100')
045	45 meters (150')
061	61 meters (200')
076	76 meters (250')
092	92 meters (300')
107	107 meters (350')
122	122 meters (400')
137	137 meters (450')
152	152 meters (500')
168	168 meters (550')
183	183 meters (600')
198	198 meters (650')

Outdoor Mini Rapid Fiber Distribution Terminal (EFDT)

Ordering information - Splitter Version

RDT - S M _ _ _ 0 0 _ _ _ _ _ _ _

Enclosure Type

M	12 Fiber plastic

Cable Count

04	4
08	8

Connector Type

J	SC/APC

Cable Type

S	3mm tight tube ivory indoor/ outdoor single fiber Riser
G	3mm tight tube ivory indoor/ outdoor single fiber Plenum

Stubbed End Configuration

J	SC/APC connector

Enclosure End Configuration

8	1x8 splitter
4	1x4 splitter

Cable Length (Plenum)[1]

030	30 meters (100')
061	61 meters (200')
092	92 meters (300')
122	122 meters (400')
152	152 meters (500')
183	183 meters (600')

Cable Length (Plenum)[1]

015	15 meters (50')
030	30 meters (100')
045	45 meters (150')
061	61 meters (200')
076	76 meters (250')
092	92 meters (300')
107	107 meters (350')
122	122 meters (400')
137	137 meters (450')
152	152 meters (500')
168	168 meters (550')
183	183 meters (600')
198	198 meters (650')

[1] External spool included for plenum cable lengths over 100' (30m) and indoor/ outdoor cable over 50' (15m)

Outdoor Mini Rapid Fiber Distribution Terminal

CommScope's outdoor mini Rapid Fiber distribution terminal (RDT) is designed to provide a quick and simple solution for installing fiber in small and medium sized multi-Dwelling units (MDU's). Utilizing CommScope's RapidReel cable spool in conjunction with the 3.6mm internal / external 12-fiber microcable technology, CommScope is able to offer a full plug-and-play customer termination solution for in-building fiber applications.

The outdoor mini RDT incorporates a unique fiber cable spooling system that stores up to 66 feet (20 m) of 3.6mm indoor/outdoor cable within the enclosure. The 3.6mm cable is supplied with a low-loss hardened multifiber optical connector (HMFOC) or MPO connector. With a single click, 12 fibers can be terminated directly to a wall box, fiber distribution hub or other HFMOC or MPO-enabled equipment - eliminating the need for fusion or mechanical splicing. The inner-end of the cable breaks out to 12 low-loss SC/APC adapter ports which enables fast, plug-and-play drop cable connections.

Benefits

- Greatly reduces time to install and removes craft sensitivity
- Removes the need for field termination / fusion splice
- Reduces inventory requirements for multiple cable types and lengths
- Removes the need for extensive site survey inspections
- Weatherproof housing suitable for external environmental conditions
- 3.6mm cable suitable for outside plant mounting / duct installation
- Easy installation, requires no special tools
- Quick service turn-up / maintenance

Applications

- Up to 20m of multifiber cable can be installed internally
- Additional cable storage provided on an external spool solution
- 3.6mm G657.A2 microcable technology
- IP55-rated enclosure
- Cable terminated to a single HMFOC or MPO connector
- Cable entry shrouds incoming conduit to meet aesthetic applications

Outdoor Mini Rapid Fiber Distribution Terminal

General mechanical specifications	
Cable Ports:	12
Dimensions	(H)10.4 x (W) 7.05 x (D) 2.8 inches
Weight	2.20 lbs
Material	LSZH Plastic
Colour	Grey (RAL 7035)
Cable Length	20m / 40m / 60m / 80m
Cable Dimension	3.6mm
Cable Material	LSZH Compliant
Fiber	per ITU G657.A2
Optical Connectors Customer	SC/APC
Optical Performance	0.25dB Max (0.18 Typ)
Optical Connector Distribution HMFOC / MPO • Optical Performance HMFOC • Optical Performance MPO	0.62dB Max (0.35dB Typ) 0.5dB Max (0.35dB Typ)
Operating Temperature	-40°C to +65°C

**External spool included for cable lengths over 20 M (65')**

Ordering information

Description	Part number
HMFOC distribution, 20m	EF7078-001
HMFOC distribution, 40m	EF7078-002
HMFOC distribution, 60m	EF7078-003
HMFOC distribution, 80m	EF7078-004
MPO distribution, 20m	EF7078-005
MPO distribution, 80m	EF7078-006

Standard Rapid Fiber Distribution Terminal (RDT)

Eliminates the need for splice cases and separate cable assemblies by integrating the patened RapidReel fiber cable spool. The RapidReel cable spool includes a built-in reel enabling quick payoff of up to 500 feet of MPO stubbed 12 or 24 count optical fiber cable from a single 6"x 9" wall box. The MPO stub is pulled for installation into either the collector enclosure or directly to an indoor or outdoor fiber distribution hub, panel, connector or adapter with MPO compatibility. After installation the spool flanges can be broken away and the wall box is secured to the wall safely storing the remaining slack cable. Use of factory terminated and tested MPO connectors instead of splicing provide a plug-and-play environment that reduces labor costs and speeds project completion.
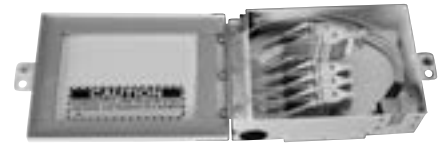
Rapid Fiber RDT using slider adapter packs

Rapid Fiber RDT with built-in spool

Features and benefits

- Built-in spool allows for easy payoff of MPO stub
- RapidReel cable spool allows the cable to payoff from the complete stubbed enclosure assembly
- Break-away spool flanges reduce slack storage size to within the enclosures footprint
- Designed for indoor use
- Utilizes reduced bend radius fiber
- Designed to meet NEMA 12 requirements

Specifications		
	RDT-12	**RDT-24**
Installation Type	Indoor	Indoor
Fibers	12	24
Splice Trays	1/12F	2/12f
Cable Ports	2 top; 1 bottom	2 top; 1 bottom
Rating	NEMA-12	NEMA-12
Height	6.0"	6.0"
Width	9.0"	9.0"
Depth	4.0" (5.5" with splice)	4.0" (5.5" with splice)

RDT- _ _ __ _ _ _ _ _ __ __ 2 _

Configuration

S	Standard

Enclosure type

J	24 fiber

Fiber Count

12	12
24	24

Connector type

J	SC/APC
N	SC/UPC

Splice Trays (only on splice boxes)

0	No tray
2	Heat shrink fusion

Provider Side Pigtails (only on splice boxes)

P	3 mm, 12 fiber fanouts with 2 mm outputs
0	No pigtails, no splice trays

Cable Length

100	100'
200	200'
300	300'
400	400'
500	500'

Cable Type

D	3 mm loose tube plenum (zipcord for 24 fiber)
B	12 F 3 mm loose tube riser
C	12 F 3.6 mm loose tube indoor/outdoor

Enclosure End Configuration

2	2 mm fanouts
0	No connectors

Stubbed End Configuration

A	MPO connectors
0	No connectors

Small Outdoor Fiber Distribution Terminal (oFDT)

The small outdoor fiber distribution terminal is designed to terminate, splice and interconnect up to 24 fiber optic cables in an outdoor environment. The enclosure is mounted to the exterior surface and connects the distribution cable and drops. The cables meet at a central connector field that includes termination for the distribution cable and drop cables. The cabinet may be configured with splice trays for splicing the cable to connector pigtails. The oFDT may be pre-terminated on the distribution side with outside plant cable stubs so that the unit is quickly connected. The oFDT may also be pre-wired with pigtails on the drop side so that individual drops routed into the unit can be spliced to the connectorized pigtails.

The oFDT features a unique "swing frame" type design that separates the splicing in the rear from the patch access in the front of the swing frame. It allows for easy connector access to the rear connectors for maintenance and cleaning. This approach allows for a single door sealing method, ensuring reliability to withstand long-term outdoor conditions.

The unit accommodates a variety of OSP cable types via sealed grommet entry. Cables are secured with standard grip clamps to provide required pull out strength. The enclosure provides grounding for metallic members and for the cabinet.

The oFDT product accommodates 6, 12 or 24 fibers. Distribution cable fibers are terminated on standard SC/APC, SC/UPC and LC/APC adapters that are easily accessible for service connection and maintenance. Drop pigtails are terminated on adapters adjacent to the distribution termination adapters until services are requested.

Features and benefits

- Accommodates smaller fiber counts; 6-, 12- and 24-fiber

- Eliminates need for transitional NEMA box that provides for mini-ducts

- Liquid tight fittings offer cost savings

- Supplied pigtails and splice tray

- Wall-mount; efficient use of wall space

- Cable termination and splicing

- Complete connector access

- Lockable 216 tool/padlock offers flexible security options

- Environmental enclosure provides heavy-duty protection from wind, dust, rain, and other contaminants

- Aluminum welded construction provides strength and resists corrosion

- Lightweight structure provides for easy installation

- Cable entrance ports seal cable at entry

- Cable management and routing limits radius and adds strain relief

- Standard stub lengths of 100, 300, 500, and 1000 feet

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Small Outdoor Fiber Distribution Terminal (oFDT)

Specifications	
	FDT-G
Installation Type:	Outdoor
Fibers:	24
Splice Trays:	2 Trays
Cable Ports:	4 Bottom
Rating:	NEMA-4
Height:	13.5"
Width:	19"
Depth:	8.25"

FDT- _ _ _ _ _ N X _ _ _ _ 0

Enclosure

G	oFDT-24 (Available with -6, -12 and -24 Fibers)

Connector Type

Singlemode	
J	SC/APC
N	SC/UPC
K	LC/UPC
Multimode	
9	MMSC
6	MMLC

Splice Tray

0	No Tray
2	Heat Shrink Fusion
3	Mechanical/Ribbon

Fiber Count

06	6 Fiber
12	12 Fibers
24	24 Fibers

Stub Length

000	0 Feet (Pigtail Option)
025	25 Feet
100	100 Feet
200	200 Feet
300	300 Feet
500	500 Feet

Cable Type

Pigtails	
A	Bare Ribbon Pigtail Assembly
B	12 Fiber Software Bundle*
Stubs	
S	Ribbon OSP w/Conn
R	Ribbon IFC w/Conn
T	Loose Tube OSP w/Conn
V	Loose Tube IFC w/Conn
O	Adapters Only

*900 micron fiber bundled in a soft jacket.

Large Outdoor Fiber Distribution Terminal (oFDT)

The CommScope outdoor fiber distribution terminal is designed to terminate, splice and interconnect up to 96 fiber optic cables with SC connectors, or 192 cables with LC connectors in an outdoor environment. This terminal may be adapted to applications by mounting the enclosure to the exterior surface and connecting between the distribution cable and drops. The oFDT is typically divided into two side-by-side sections with distribution cable routed into one side and drop cable routed into the other side. The cables meet at a central connector field that includes termination for the distribution cable. Each side of the cabinet may be configured with splice trays for splicing the cable to connector pigtails. The oFDT-may be pre-terminated on the distribution side with outside plant cable stubs so that the unit is quickly connected to the plant. The oFDT may be pre-wired with pigtails so that individual drops routed into the unit can be spliced to the connectorized pigtails.

The unit accommodates a variety of OSP cable types via sealed grommet entry. Cables are secured with standard grip clamps to provide required pull out strength. The enclosure provides grounding for metallic members and for the cabinet.

Mounting Applications

All units are configurable for a variety of mounting arrangements including wall, pole and pedestal mounting. Each unit is provided nominally with a wall mount bracket. Optional pole-mount brackets and pedestals may be ordered separately.

Features and benefits

- Environmental enclosure provides heavy-duty protection from wind, rain, and other contaminants

- Aluminum welded construction provides strength and resists corrosion

- Flexible design accommodates 24, 48, 72 and 96 fibers

- Lightweight structure provides for easy installation

- Lockable tool or padlock offers flexible security options

- Cable entrance ports seal cable at entry

- Cable management and routing limits radius and adds strain relief

Specifications	
	FDT-F
Installation Type:	Outdoor
Fibers:	96
Splice Trays:	2 Trays
Cable Ports:	3 Bottom
Rating:	NEMA-4
Height:	22"
Width:	20"
Depth:	10"

Large Outdoor Fiber Distribution Terminal (oFDT)

FDT- _ _ _ _ _ NX _ _ _ _

Enclosure

F	oFDT-96 (Available with -24, -48, -72 and -96 Fibers)

Connector Type

Singlemode	
J	SC/APC
N	SC/UPC
K	LC/UPC
Multimode	
9	MMSC
6	MMLC

Splice Tray

0	No Tray
2	Heat Shrink Fusion
3	Mechanical/Ribbon

Fiber Count

24	24 Fibers
48	48 Fibers
72	72 Fibers
96	96 Fibers

*900 micron fiber bundled in a soft jacket.

Stub Length

000	0 Feet
025	25 Feet
100	100 Feet
200	200 Feet
300	300 Feet
500	500 Feet

Cable Type

Pigtails	
0	No Pigtails
A	Bare Ribbon Pigtail Assembly
B	12 Fiber Softwall Bundle
Stubs	
S	Ribbon OSP w/Conn
R	Ribbon IFC w/Conn
T	Loose Tube OSP w/Conn
V	Loose Tube IFC w/Conn

Indoor Fiber Distribution Terminals (iFDT)

The CommScope indoor fiber distribution terminal (iFDT) series provides customer premises equipment applications with a compact and secure family of enclosures for connecting fiber cables within building entrance locations, communication closets, computer rooms and other indoor environments. The iFDT products utilize a rugged double-hinged design that effectively isolates the splicing and cable termination in the rear compartment from the jumper interconnection in the front compartment. Separating the cable splicing and termination function from the interconnection function allows the unit to be used as a dual-access product with secure lockable access provided for each compartment. The layered iFDT and staggered interconnection field provides ease of access to all connections.

Sizes

The iFDT products are designed to splice and terminate fibers in a range of sizes including 6, 12, 24, 48, 72, and 96 fibers.

Mounting Applications

The CommScope iFDT series cabinets are for indoor wall mount applications and are designed to NEMA-12 rating. The dual hinged design allows complete front and rear access. The two secure doors are locked with a standard can wrench tool and may optionally be secured with a standard pad-lock. The unit may also be configured for single lock entry thus allowing the products to be used for single access applications.
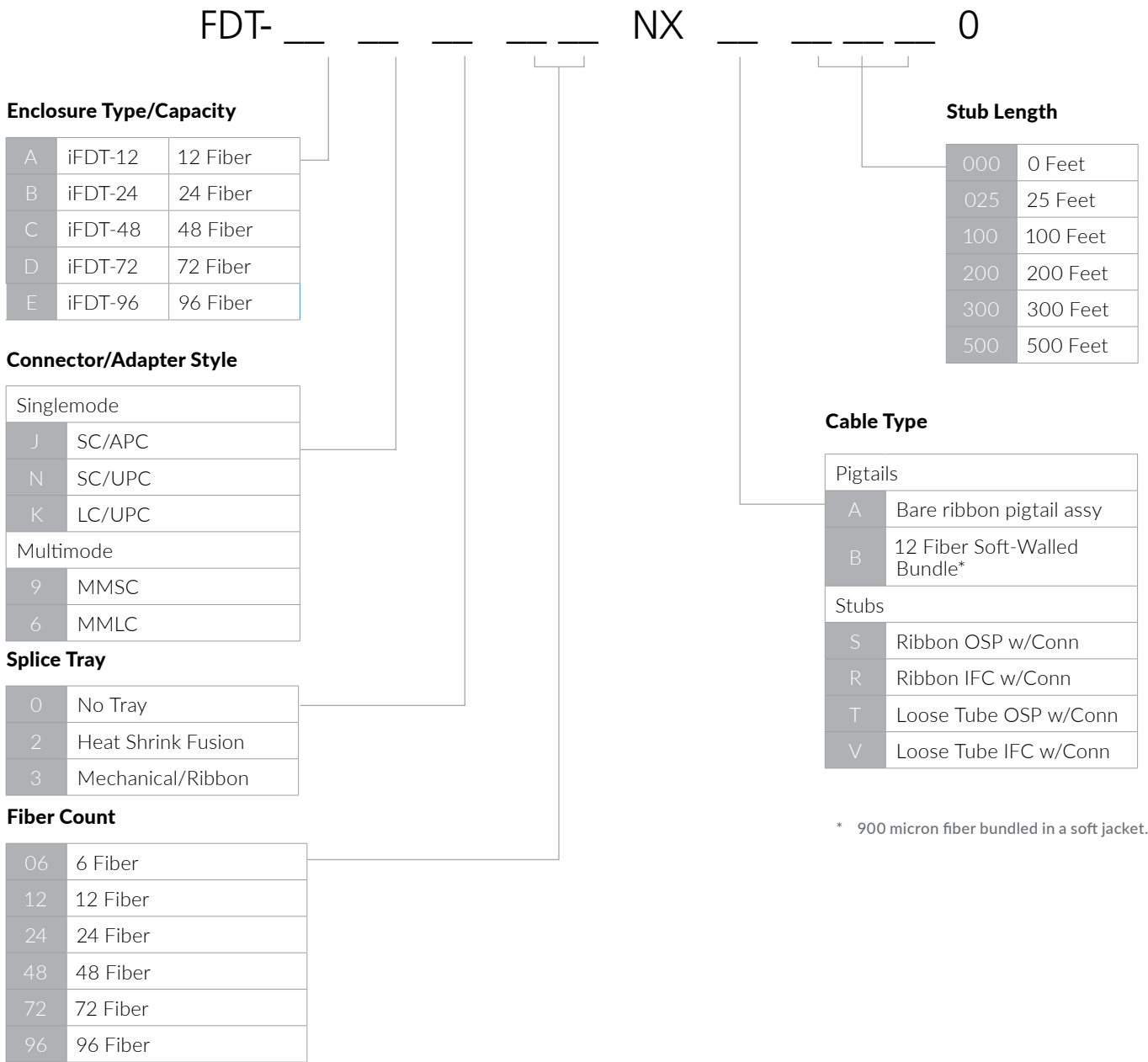
Fiber Management

For splicing applications, CommScope's splice trays can be installed to support either individual fusion splicing or mass fusion splicing. The units provide sealed cable ports for cables and interconnection cables and gaskets to protect against dust and water spray. The units can also be configured with a standard cable grip kit to provide strain relief for incoming fiber cables. The splice compartment provides ample space for storing loose-tube, ribbon or individual fiber slack.

Features

- 12-Packs provide for high-density terminations and conserve wall space

- Integrated splice tray offers flexible splice management
  for individual or mass splicing

- Sealed enclosure protect fibers from dust, water
  spray, insects and other contaminants

- Dual-hinged design ensures separation of owner/client network segments

- Designed to NEMA-12

- Front and rear layer maximizes wall space utilization
  for both splicing and interconnect

- Robust steel construction protects fibers against
  damage and ensures network reliability

- Slotted cable entrance ports allow for rapid cable
  installation and pass-through capability

- Cable management and routing limits bend radius and adds strain relief

- 216-Tool (can wrench), key lock or padlock offers flexible security options

Indoor Fiber Distribution Terminals (iFDT)

FDT- __ __ __ __ __ NX __ __ __ __ 0

Enclosure Type/Capacity

A	iFDT-12	12 Fiber
B	iFDT-24	24 Fiber
C	iFDT-48	48 Fiber
D	iFDT-72	72 Fiber
E	iFDT-96	96 Fiber

Connector/Adapter Style

Singlemode	
J	SC/APC
N	SC/UPC
K	LC/UPC
Multimode	
9	MMSC
6	MMLC

Splice Tray

0	No Tray
2	Heat Shrink Fusion
3	Mechanical/Ribbon

Fiber Count

06	6 Fiber
12	12 Fiber
24	24 Fiber
48	48 Fiber
72	72 Fiber
96	96 Fiber

Stub Length

000	0 Feet
025	25 Feet
100	100 Feet
200	200 Feet
300	300 Feet
500	500 Feet

Cable Type

Pigtails	
A	Bare ribbon pigtail assy
B	12 Fiber Soft-Walled Bundle*
Stubs	
S	Ribbon OSP w/Conn
R	Ribbon IFC w/Conn
T	Loose Tube OSP w/Conn
V	Loose Tube IFC w/Conn

*   900 micron fiber bundled in a soft jacket.

Specifications	FDT-A	FDT-B	FDT-C	FDT-D	FDT-E
Installation Type:	Indoor	Indoor	Indoor	Indoor	Indoor
Fibers:	12	24	48	72	96
Splice Trays:	1 Tray	2 Trays	4 Trays	6 Trays	8 Trays
Cable Ports:	2 Top; 2 Bottom	2 Top; 4 Bottom	2 Top; 4 Bottom	2 Top; 4 Bottom	2 Top; 4 Bottom
Rating:	NEMA-12	NEMA-12	NEMA-12	NEMA-12	NEMA-12
Height:	7.25"	8"	18.75"	23.6"	32.5"
Width:	11.8"	14"	14.5"	14.56"	14.7"
Depth:	3.25"	5"	5"	5"	5"

Indoor Fiber Wall Mount Boxes

CommScope's FL1 indoor fiber termination products include a variety of two door wall mount box configurations. These products are designed specifically to act as part of the fiber distribution system in an enterprise networkcell site backhaul network, or as the demarcation point for the service provider at the customer's location.

FL1 products utilize adapter pack technology, which enables service providers to add new subscriber connections as needed—deferring unnecessary CAPEX.

Excellent labeling, grommets, door latches and ribbon pigtail routing reinforce the value these products bring to the physical layer of any network with higher quality and reliability, greater operational efficiencies, and network simplification.

Features/Benefits

- Economical, "build-as-you-grow" solution

- Quick installation

- Compact size

- Durability

- Single Part number ordering

- Single package shipping

12-Position

Two Door Fiber Wall Mount Boxes

The FL1 two-door, wall-mount boxes feature a unique design and many integrated features such as:

- Multiple, configurable locking options that allow users and service providers separate access for security

- Acceptance of strength member tie-off hardware

- Acceptance of cable clamps at each corner

Specifications				
	FL1-G	FL1-H	FL1-J	FL1-P
Installation Type:	Indoor	Indoor	Indoor	Indoor
Fibers:	12	24	48	72
Splice Trays:	1 Tray	2 Trays	4 Trays	6 Trays
Cable Ports:	2 Top; 2 Bottom	2 Top; 2 Bottom	2 Top; 2 Bottom	2 Top; 2 Bottom
Rating:	NEMA-12; NEBS	NEMA-12; NEBS	NEMA-12; NEBS	NEMA-12; NEBS
Height:	11.2" (28.4 cm)	15.1" (38.4 cm)	17.7" (45 cm)	17.7" (45 cm)
Width:	13" (33 cm)	14" (35.6 cm)	17" (43.1 cm)	17" (43.1 cm)
Depth:	3.6" (9.1 cm)	3.6" (9.1 cm)	6.2" (15.7 cm)	6.2" (15.7 cm)

Indoor Fiber Wall Mount Boxes

How to order an FL1 two-door wall mount box

1. Select wall box type

2. Select 6pak (with or without fiber) installed in wall mount box

3. Select 6pak adapter type*

4. Select splice tray with chip

5. Select number of cable clamps (0-9)

6. Select number of compression fittings (0-9)

7. Select number of bonding grounding kits (0-9)

8. Select number of strength member tie-off kits (each wall box accepts 2, maximum) (0-9)

*Refer to next page placement pictorial

FL1-__ __ __ __ __ __ __ __ - __ __ __ __

1 2 3A 3B 3C 3D 3E 4 5 6 7 8

Wall Box Type (2-door)

G	12-position termination/splice wall box
H	24-position termination/splice wall box
J	48-position termination/splice wall box
P	72-position termination/splice wall box

6paks Installed into Wall Box

3	Adapters with pigtails (2 mm x 3 m)
4	Adapters only – no fiber
6	6-fiber softwall bundle (3 m (12-fiber for LC)
9	12-fiber ribbon (3 m)

Accessories
Enter quantity (0-9) above corresponding accessory

5	Cable clamp
6	Compression fittings
7	Bonding grounding kit
8	Strength member tie-off

Splice Tray with Chip

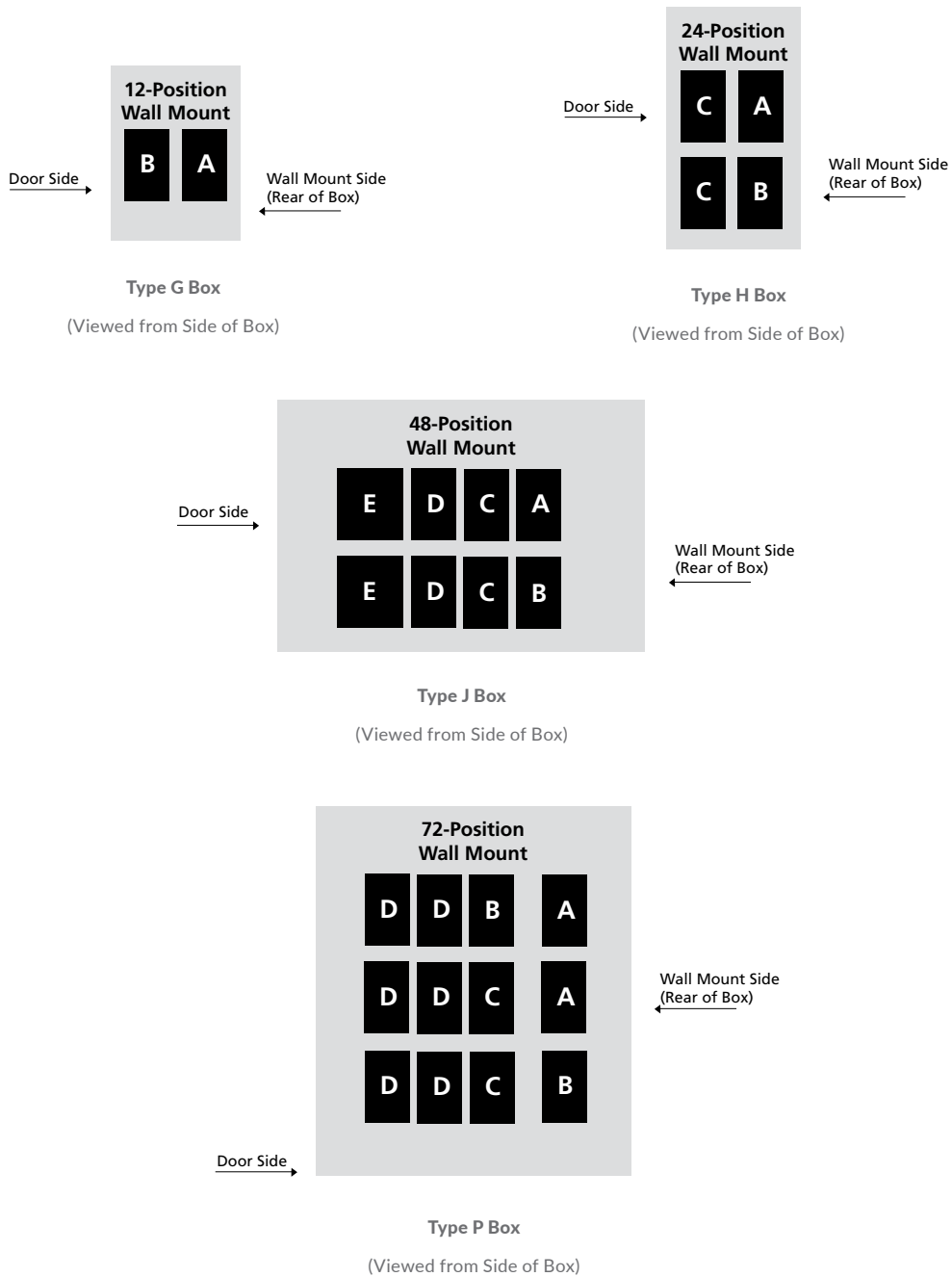| 1	Bare fusion
2	Heat shrink fusion
3	Mechanical (elastomeric)
N	None

Multimode and Singlemode
6pak Adapter/Connector Type

N	Blank
Singlemode	
7	SC/UPC
8	LC/UPC
J	SC/APC
Z	LC/APC
Multimode	
9	SC
D	SC duplex
6	LC

See page 23-24 for accessories

* All fields 3A - 3E must have a value

FL1 6pak Adapter Packs

Placement of 6paks

12-Position Wall Mount

B A

Door Side →

Wall Mount Side
(Rear of Box)
←

Type G Box

(Viewed from Side of Box)

24-Position Wall Mount

C A

C B

Door Side →

Wall Mount Side
(Rear of Box)
←

Type H Box

(Viewed from Side of Box)

48-Position Wall Mount

E D C A

E D C B

Door Side →

Wall Mount Side
(Rear of Box)
←

Type J Box

(Viewed from Side of Box)

72-Position Wall Mount

D D B A

D D C A

D D C B

Wall Mount Side
(Rear of Box)
←

Door Side →

Type P Box

(Viewed from Side of Box)

Note: All configured wall boxes will have adapter packs loaded starting from the wall side.

FL1 6pak Adapter Packs

6pak Adapter — Adapters and Pigtails

Features

- Flexibility for future growth: To add capacity to an existing FL1 wall box, simply order the appropriate 6pak

- Can be purchased and installed as growth necessitates

- Available with preterminated three-meter pigtails

- Pigtails consist of a single outer jacket containing six color-coded 900 μm fibers

- One end of pigtail terminated with chosen connector style and installed into the 6pak adapter

- Saves installation time

Ordering information

Description	
Multimode (62.5/125) - Adapter 6 Packs	
SC	FL2-6PMMSC
LC	FL2-6PMMLC
Singlemode - Adapter 6 Packs	
SC/APC	FL2-6PSMASC
SC/UPC	FL2-6PSMSC
LC	FL2-6PSMLC
Multimode (62.5/125) with 3 Meters of Fiber	
SC	FL1-6P9BC003
LC	FL1-6P6BC003
Singlemode with 3 Meters of Fiber	
SC/UPC	FL1-6P7SC003
SC/UPC angled 8°	FL1-6PJSC003
LC	FL1-6P8SC003
10G 6paks – with 50/125 μm Laser Optimized Multimode Pigtails*	
10G Multimode LC (aqua), with 3 meter 12 fiber stranded pigtails	FL2-6P6JC603W
10G Multimode SC (aqua), with 3 meter 6 fiber stranded pigtails	FL2-6P9JC603W
6paks - Singlemode Pigtails and adapters	
Singlemode LC (blue), with 3 meter 12 fiber stranded pigtails	FL2-6P8SC603W
Singlemode SC/APC (blue), with 3 meter 6 fiber stranded pigtails	FL2-6P7SC603W

*10G 6paks utilize 50/125 μm laser optimized multimode to 300 meters or OM3 rated glass and aqua colored adapters.

6pak without fiber

6pak with fiber

6pak Adapter
(With SC Adapters and Pigtails)

FL1 6pak Adapter Packs

6pak Connector Plug-Ins and Accessories

Features

- Completely interchangeable between FL2000 panel and wall box products

- Can be ordered with all standard types of simplex and duplex single and multimode adapters and connectors

- Feature CommScope's removable angled retainers which provide superior fiber management

- No tools required to install into FL2000 boxes or panels

6pak plug-in (shown with singlemode duplex adapters)

6pak plug-in (shown with multimode duplex adapters)

Ordering information

Description	Part number
6pak blank plug in	FL2-6PBLNK
Compression fitting	FL1-ACC001
Compression fitting with plate	FL1-ACC006
Strength member tie-off kit	FL1-ACC003
Cable clamp	FL1-ACC011
Bonding grounding kit	FL1-ACC004
Locks	
Lock and Key Type A	IPA-K1
Lock and Key Type B	IPA-K2
Mini-splice tray **(used only in 12-position, wall-mount box)**	
Bare fusion	FL1-M-FT
Heat shrink (single fiber fusion)	FST-M-HS
Mechanical (mass fusion)	FST-M-MT
Standard splice tray	
Bare fusion	FST-FT
Heat shrink fusion (single fiber fusion)	FST-HS
Mechanical (mass fusion)	FST-MT

6pak plug-in (shown with singlemode simplex adapters)

6pak plug-in (shown with multimode simplex adapters)

6pak Adapter-Only (Without Fiber)

Flexible Fiber Box (FFB)

CommScope's (CommScope) flexible fiber box (FFB) is designed to address the unique challenges of indoor, outside plant and fiber installations. Available in two unique base configurations, fixed and Rapid Fiber, the FFB promotes true flexibility with easily interchangeable components for termination, sliding adapter pack, fixed bulkhead, splice, MPO and hardened multifiber optical connector (HMFOC) configurations.

The Rapid Fiber FFB system leverages CommScope's RapidReel fiber cable spool to payout fiber directly from the enclosure. By enabling faster cable routing and installation, the fiber cable spool helps to minimize overall labor costs. In addition, the spooling system reduces the need for site survey inspections, and simplifies cable ordering and inventory requirements. Any excess cable stores easily back on to the spooling system, eliminating the need for additional slack storage equipment.

The fixed FFB system uses an assortment of fixed configuration plates to mix-and-match different cable and connector types. One half of the box manages feeder cable connections; the other half manages drop connections. To meet co-location requirements, the feeder side of the box is available with a lockable cover.

CommScope's flexible fiber box series incorporates the latest in cutting-edge technology, helps to deliver unmatched savings in installation time, labor costs, and offers unrivaled performance for next generation networks.

Rapid Fiber FFB

Fixed FFB

Benefits

- **Flexibility:** Designed to serve any network topology, any location, any technology.

- **Protection:** Built to withstand harsh environmental conditions - including dust, moisture and UV.

- **Right-Sized:** Enclosure meets space requirements for a variety of environments.

- **Performance:** Reduced bend radius fiber cable reduces attenuation caused by tight bends and frequent handling.

- **Easy Installation:** Mounts on a wall, pole or other flat surface with minimal tools.

Fixed FFB with Internal Demarc Door

Specifications	
Installation Type:	Indoor/Outdoor
Fibers:	24
Splice Trays:	2 Trays
Cable Ports:	4 Bottom
Rating:	NEMA-4, UL
Height:	10.5" (.26 m)
Width:	12" (.3 m)
Depth:	5" (.12 m)

Flexible Fiber Box (FFB)

Preconfigured Rapid Fiber FFB

Preconfigured Rapid Fiber FFB units are available to ship from the factory with preinstalled RapidReel fiber cable spools, sliding adapter packs, splice trays and/or preterminated cable assemblies, and help to simplify the ordering process and reduce installation time and cost.

Rapid Fiber FFB – LC or SC Connectors

Ordering information

Description	Cable Type	Fibers	Connector Type	Part number
Rapid Fiber FFB Sliding Adapter Pack Option	Singlemode	12	LC-MPO	FFB-R012ESKSSDUXXX
			SC-MPO	FFB-R012ES7SSDUXXX
		24	LC-MPO	FFB-R024ESKSSDUXXX
			SC-MPO	FFB-R024ES7SSDUXXX
	Multimode	12	LC-MPO	FFB-R012MSCSSFUXXX
			SC-MPO	FFB-R012MSTSSFUXXX
		24	LC-MPO	FFB-R024MSCSSFUXXX
			SC-MPO	FFB-R024MSTSSFUXXX
Rapid Fiber FFB Splice Option	Singlemode	12	MPO (far end)	FFB-R012ES22SDUXXX
			Stub (far end)	FFB-R0120S22SDUXXX
		24	MPO (far end)	FFB-R024ES22SDUXXX
			Stub (far end)	FFB-R0240S22SDUXXX
	Multimode	12	MPO (far end)	FFB-R012MS22SFUXXX
			Stub (far end)	FFB-R0120S22SFUXXX
		24	MPO (far end)	FFB-R024MS22SFUXXX
			Stub (far end)	FFB-R0240S22SFUXXX

Rapid Fiber FFB - Splice Tray

FFB with external fiber spool.

XXX=

031	100' Spooled (31 m)
061	200' Spooled (61 m) 24 Fiber requires ext. spool
076	250' Spooled (76 m) 24 Fiber requires ext. spool
092	300' Spooled (92 m) with ext. spool
123	400' Spooled (122 m) with ext. spool
153	500' Spooled (153 m) with ext. spool
183	600' Spooled (183 m) with ext. spool
213	700' Spooled (213 m) with ext. spool
244	800' Spooled (244 m) with ext. spool
274	900' Spooled (274 m) with ext. spool
305	1000' Spooled (305 m) with ext. spool

NOTE: The FFB is available with a maximum of 1000' of spooled cable.

Flexible Fiber Box (FFB)

Preconfigured Fixed FFB

Preconfigured fixed FFB units are available to ship from the factory with preinstalled connectors, adapter packs, splice trays, cables and/or preterminated pigtail assemblies, and help to simplify the ordering process and reduce installation time and cost.

Ordering information

| Description	Fibers	Connector Type	Part number
Feeder:MPO Drop: Sliding Adapter Type	12	LC	FFB-F012EMSKSSDDUX
		SC	FFB-F012EMS7SSDDUX
	24	LC	FFB-F024EMSKSSDDUX
		SC	FFB-F024EMS7SSDDUX
Feeder: HMFOC Drop: Sliding Adapter Type	12	LC	FFB-F012UMSKSSDDUX
		SC	FFB-F012UMS7SSDDUX
	24	LC	FFB-F024UMSKSSDDUX
		SC	FFB-F024UMS7SSDDUX
Feeder: Splice Drop: VAM (Order VAM modules separately. See the full catalog for details.)	12	–	FFB-F01222SOVS0000
	24	–	FFB-F02422SOVS0000
Feeder: External HMFOC Input with Demarc Door (Sliding Adapter Type Shown)	12	LC	FFB-F01200HKSSDDUD
		SC	FFB-F01200H7SSDDUD
	24	LC	FFB-F02400HKSSDDUD
		SC	FFB-F02400H7SSDDUD
Feeder: Splice Drop: Sliding Adapter Type	12	LC	FFB-F01222SKSSDDUX
		SC	FFB-F01222S7SSDDUX
	24	LC	FFB-F02422SKSSDDUX
		SC	FFB-F02422S7SSDDUX
Feeder/Drop: Fixed Adapter Type in Center	12	LC	FFB-F012KCSK0SA00X
		SC	FFB-F0127CS70SA00X
	24	LC	FFB-F024KCSK0SA00X
		SC	FFB-F0247CS70SA00X
Feeder: MPO Drop: Fixed Adapter Type Plate	12	LC	FFB-F012EMSKFSDDUX
		SC	FFB-F012EMS7FSDDUX
	24	LC	FFB-F024EMSKFSDDUX
		SC	FFB-F024EMS7FSDDUX

Replace X with "D" to include internal demarc door, or "0" to exclude door.

Fiber Splitter Box (FSB)

CommScope's fiber splitter box (FSB) enables service providers to accelerate their deployments more effectively and is an ideal solution when deploying networks in customer premises applications.

These wall boxes provide a small footprint for splitting, splicing and terminating and are environmentally rated for indoor or outdoor use. Available in three sizes, each box is equipped with a 12-fiber splice tray allowing for an input splicing option. FSB's accept standard plug and play (PNP) splitters and splitters can be easily added after the wall box has been installed. FSB's accommodate 1x4, 1x8, 1x16 and 1x32 splitters; up to 72 fibers.

FSB's offer increased efficiency within distinct FTTX network applications. Featuring a compact solution for wall mounting, these boxes provide a significant space savings while maintaining hand access to connectors. The unique swing frame design also allows for easy access to the back section of the wall box. FSB's small size and flexible mounting options offer easy integration into cell sites and huts—providing on-demand capacity for wireless backhaul applications. For serving facilities in rural locations, i.e. strip malls, FSB's offer an economical solution where installing larger sized FDH's may be unfeasible.
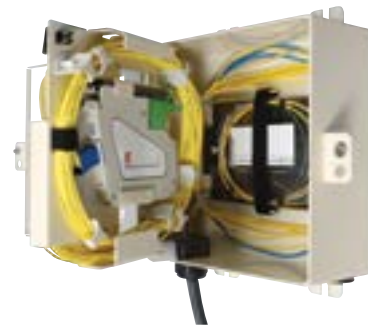
FSB-16 - Indoor or Outdoor Enclosure

Features and benefits

- Accommodates up to 16 ports

- Rated for indoor or outdoor use

- Traditional swing frame design allows for access to the back section of the wall box

- Splitter can be easily installed after wall box install

- Standard 12-fiber splice tray allows for input splicing option

- Output pigtails can either be stored internally or routed externally

- Accepts standard PNP splitter

Fiber Splitter Box (FSB)

## FSB-32 – Indoor Enclosure

Features and benefits

- Dual hinge design creates separation between rear splitter section and front customer side access

- Splitters can be easily installed after wall box install allowing for separate purchase

- Standard 12-fiber splice tray allows for input splicing option

- Accommodates up to 32 splitter ports for one splitter module

- Dual hinge provides small footprint on the wall while maintaining excellent hand access to connectors

- Accepts standard PNP splitter

FSB-72 – Outdoor Enclosure

Features and benefits

- Traditional swing frame design allows for access to the back section of the wall box

- Splitter can be easily installed after wall box install

- Standard 12-fiber splice tray allows for input splicing option

- Accommodates up to 3 PNP splitter modules

- 72 port capacity with built-in 32-port parking

- Easily wall mounts to buildings

- Accepts standard PNP splitter
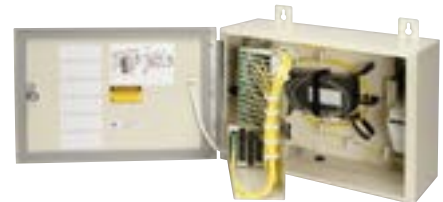
Specifications			
	FSB-16 (H)	**FSB-32 (B)**	**FSB-72 (G)**
Installation Type:	Indoor/Outdoor	Indoor	Outdoor
Fibers:	16	32	72
Splice Trays:	1/12f	1/12f	5/12f
Cable Ports:	1	1	3
Rating:	NEMA-4	NEMA-12	NEMA-4
Height:	9"	8"	13"
Width:	9"	13"	19"
Depth:	3.5"	5"	10"

Fiber Splitter Box (FSB)

FSB- _ _ _ _ _ _ _ _ _ _ _ _

Configuration

S	Standard

Enclosure Type

Code	Description	Capacity	Size (HxWxD)
B	Indoor FSB-32	32-Fiber	8"x13.5"x5"
G	Outdoor FSB-72	72-Fiber	13.5"x19"x8"
H	Indr/Outdr FSB-16	16-Fiber	9"x9"x3.7"

Connector Type

J	SC/APC
N	SC/UPC

Splice Tray (Feeder Side)

2	Heat Shrink Fusion
3	Mechanical/Ribbon
0	No Splice Tray

Fiber Count (Distribution)

12	12 Fibers
16	16 Fibers
32	32 Fibers
48	48 Fibers
72	72 Fibers

Splitter Type Installed

0	None Installed
A	1x32 Standard
C	1x16 Standard
J	1x8 Standard
L	Dual 1x8 Standard
M	Dual 1x16 Standard
N	1x4 Standard
P	2x16 Standard
U	Dual 1x4 Standard

Splitter Qty Installed

0	None
1	One (1) Installed
2	Two (2) Installed
3	Three (3) Installed

Key Locks

0	None (Pad Lock Ready)
A	Front Lock 1, Rear Lock 1
B	Front Lock 1, Rear Lock 2
C	Front Lock 1, No Rear Lock
D	Rear Lock 2, No Front Lock

Feeder Fiber Count

0	No Stub
2	2 Fibers
4	4 Fibers
6	6 Fibers
8	8 Fibers

Feeder Cable Length

000	0 Feet
025	25 Feet
100	100 Feet
200	200 Feet
300	300 Feet
500	500 Feet

Cable Type (Feeder Cable)

Adapters		
0	Adapters Only (No Pigtail for Feeder)	
Pigtails		
A	Splice-Ribbon Pigtail Assy	
C	Splice-Pigtails (900 Micron)	
Stubs		
S	Ribbon OSP Cable	
R	Ribbon IFC Cable	
T	Loose Tube OSP Cable	
V	Loose Tube IFC Cable	
M	900um OFNR Cable	

Premises Patch and/or Splice Enclosure - FibrBoss PB 06-S

The FibrBoss PB06-S premises splice enclosure is designed for low count indoor or outdoor splicing applications. This product is wellsuited as a demarcation splice point between the service provider and customer or for "handoff" splicing of fibers whereby the service provider supplies fibers for use by a third party. This compact enclosure design includes a rugged plastic housing with a single covered fiber management tray for both fiber storage and splice storage. Cable retention brackets are integrated into the tray and splice protection sleeves are included with the enclosure for added customer convenience and efficiency.

Features and benefits

- Intended as a small splice or fiber "hand-off" enclosure

- UL listed and UV resistant enclosure

- Tie-wrap door security is standard

- Small size (5" x 4" x 2" interior dimensions)

- Accommodates field supplied fl at or round drop cable inputs

- Accommodates field or factory supplied pigtail outputs

- Fiber storage and splices integrated on one tray – tray cover included

- Six position splice sleeve holder on tray

- Six splice sleeves included

- Output pigtails are optional

F - PB06 - SA2 - R _ _ - _ _ _ _ _ - O _

Pigtail Count

N	N	No pigtails
0	2	Two pigtails
0	4	Four pigtails
0	6	Six pigtails

Connector Type

N	N	None
S	1	SC/UPC
S	2	SC/APC
L	1	LC/UPC
L	2	LC/APC

Pigtail Type

N	No pigtails
B	1.8 mm OFNR cord

Pigtails are only included when option 3 in "Pigtail Packaging" is selected.

Pigtail Packaging

N	No pigtails
2	Pigtails included, not installed

Pigtail Length (Meters)

0	0	No pigtail
0	1	1 m pigtail
0	3	3 m pigtail
0	6	6 m pigtail

Premises Patch and/or Splice Enclosure - FibrBoss PB 06-B

The FibrBoss PB06-B six-connector fiber premises box is intended to be used to patch and splice up to six fibers in an environmentally secure housing in an indoor or outdoor wall mounted application. Incoming fiber optic cables up to 10mm OD can be accommodated by this enclosure. This compact design includes a rugged plastic housing with a combination patching (top) and splicing (bottom) tray. The patching features of the tray include bend controls and integrated fiber retention clips for proper pigtail management. The splicing features of the tray include a covered fiber management tray for both fiber storage and splice storage. Cable retention brackets are integrated into the tray, and splice protection sleeves are included with the enclosure for added customer convenience and efficiency.

Features and benefits

- Intended as a small patch and splice or fiber "hands-off" enclosure
- UL listed and UV resistant enclosure
- Small size (4.8" x 6.4" x 2.4" interior dimensions)
- Accommodates field supplied flat or round drop cable inputs
- Accommodates field supplied cable and pigtail outputs
- Fiber storage and splices integrated on one tray – tray cover included
- Six position splice sleeve holder on tray
- Six splice sleeves included
- Mounting features for wall, pole, or pedestals
- Optional security screw for the fiber tray for use as a demarcation enclosure (contact customer service)

F - PB06 - BC2 - R _ _ - _ _ _ _ _ - 0 _

Pigtail Count

N	N	No pigtails
0	2	Two pigtails
0	4	Four pigtails
0	6	Six pigtails

Connector Type

N	N	None
S	1	SC/UPC
S	2	SC/APC
L	1	LC/UPC (Limited to 6 pigtails total)
L	2	LC/APC (Limited to 6 pigtails total)

Pigtail Fiber/Cable Type (Singlemode)

N	No pigtails
A	900um Buffer, Color Coded (Internal Pigtails Only)

Pigtail Packaging

N	No Adapters, No Pigtails
2	Adapters and Internal Pigtails Included and Installed
5	Adapters Included and Installed, No Pigtails

Number of Adapters (and pigtails if selected)

0	0	No pigtails
0	1	One-Meter Pigtails

Wall Outlets - OWB-S (Outdoor Wall Mounted Small Box)

OWB-S (Outdoor Wall Mounted Small Box)

The 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.

Features and benefits

- Compact size
- High seal rate: IP65
- LSZH
- Hinge + latch design allows easy access
- Multiple cable entry points
- Wall or pole mountable
- Optional padlock

Dimensions (inches)

8.26"

6.84"

2.83"
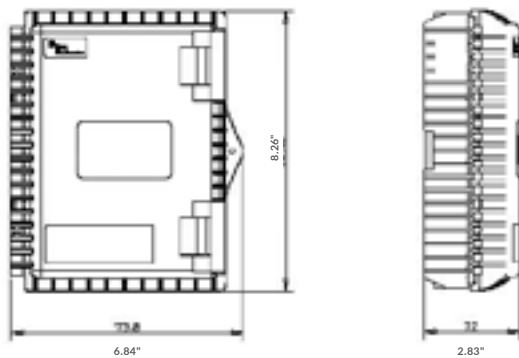
Ordering information

OWB - S - _ _ - _ _ - _ - _ - L-US

Splice type

N	No splicing application
S	Fusing splice

Number of splice protector

0-4	

Connector type

S1	SC/UPC
S2	SC/APC
MP	MPO
NN	None

Mounting kit

N	None
W	Wall mounting kit
P	Pole mounting kit

Splitter integrated

NN	None

Number of adapters

0-4	

Wall Outlets - Rapid Fiber Faceplate

Rapid Fiber Faceplate

The Rapid Fiber faceplate incorporates a unique rapid spooling system for cable storage that provides a quick and simple solution for optical fiber deployment at customer premises. This innovative design represents a complete plug-and-play customer termination solution for in-building fiber deployment.

Benefits

- Shorter installation time and faster deployment
- Reduced labor cost for on-site survey and splicing
- Simplified installation with pre-terminated and tool-less design
- More reliable connections
- Lower inventory, utilizing only standard lengths
- Easy routing through 8mm micro conduit with Pull and Click connector

Features

- Flexible configuration with RapidReel or standalone faceplate
- Cavity and surface mount installation supported
- 1.2/1.5mm G657.B3 micro cable
- Up to 60 meters of spool cable storage
- Far end configurable connector with standard SC/LC or Commscope Pull and Click connector
- Integrated dust cap / hauling eye
- Integrated 2F splice trays located at the base of the faceplate

Dimensions:

- Cavity mount: 15mm x 75mm x 115mm
- Wall mount: 52mm x 75mm x 115mm

RFP - __ - __ __ - __ __ - __ - __ - __ - __

Number of Fibers

0	No fiber
1	1 fiber

Spool Length

0	No spool
30	30 meters
60	60 meters

Connector Type

S4	SC APC small size at far end for micro-duct installation
S2	SC APC at both ends
S1	SC APC at both ends
L2	LC APC at far end
L1	LC APC at far end

Number of Adapters

1	1 adapter

Specific Logo

CS	CommScope

Mounting Solution

X	No mounting required
W	Surface mount
C	Cavity mount

Cable Type

L	1.2mm OFNP cable
Z*	1.5mm LSZH cable

* Only for S1 and S2 connector

Wall Outlets - Customer Wall Outlet (COWO)

Customer Wall Outlet (COWO)

COWO is a fiber optic customer outlet that allows easy and unobtrusive termination of fiber optic cables in an office, home or communications room.

Features and benefits

- Accommodates two termination/splice connections
    - 2 SC simplex or 1 LC duplex adapters
    - 2 crimp, mechanical or heat shrink splices
- IP20 rated
- Very flat design, mounts on a standard flush mount electrical outlet
- Utilizes reduced bend radius fiber (G657.a and B)
- Possibility to invert the adapter in the holder to prevent disconnection when pulling the patch cords
- RoHS compliant
- Conforms to UL 94 V-O
- Lockable with screw or lead-wire seal
- Cable entrance from the bottom, left and rear
- Made of molded plastic (halogen free, LSZH-1), white (RAL 9010)

Technical data	
Number of input cable positions	4
Input cable diameter	3-7 mm
Max. capacity	2 fibers
Max. number of customer feeds	2 patch cords
Operating temperature	-40°C to +70°C
Material	PC-FR

Ordering information

COWO - _ _ _ _

Connector type

S1	SC/UPC
S2	SC/APC
L1	LC/UPC
L2	LC/APC
NN	None for cable splicing

Number of adapters

0	
1	
2	

Number of pigtails

0	
1	
2	

Accessories

For cable splicing, a strain relief can be installed instead of an adapter at the same position.
FTX-7029 1 900-30 Strain Relief for TWO cable up to 3,0mm diameter
FTX-7029 1 900-50 Strain Relief for ONE cable up to 4,2mm diameter

Wall Outlets - FTUO (Fiber Termination Unit Outdoor)

FTUO (Fiber Termination Unit Outdoor)

This box is typically used as a transition point where the OSP cable is spliced to an indoor cable.

Features and benefits

- Compact enclosure (168 x 132 x 33 mm)

- The box allows the installation of fibers with a minimum bend radius of 25 mm over a length of 2m.

- In-line and butt configuration possible for main cable

- Universal splice holder for 8 splices: SMOUV, ANT, RECORDsplice.

- Ready for CommScope OCC1 splitter installation

- Cable inlet is provided at the bottom left side. Optionally the main cable can continue at the top left side. (wraparound pass-through)

- Cable outlet ports (max. 2 cables) are provided at 5 sides: left, right, top, bottom, back

- IP 43 when cable enters from bottom;

- IP40 when cable enters from top

- Impact rating: IK08

- UV resistant housing

- Standard colour: RAL7035 grey

- Gasventing provided

- Locking with screw, optionally security seal

- Main cable up to 12 mm diameter

- Drop cable up to 5 mm diameter

Kit content:

- Box with base, fiber organizer, cover

- Main cable seal + tiewraps + foam

- Drop cable seals for 2 drops and cable fixation accessories

- Universal splice holder for 8 splices (SMOUV, ANT, RECORDsplice)

Ordering information

FTUO - _ -_-_ - 1

Connector type

M	size = medium

Number of pigtails

U	Splice holder type = Universal splice holder (for SMOUV, ANT, RECORDsplice), 8 splices

Number of adapters

NN	

Accessories

FTUO-USEAL-01	additional main cable seals (MOQ/SPQ = 500 pcs)
FTUO-OSEAL-01	additional drop cable seals (MOQ/SPQ = 1000 pcs)
CPWO-LABEL-7035-(1000)	security label to cover the access screw (RAL7035 colour) (MOQ/SPQ = 1000 pcs)

Wall Outlets - Customer Premises Wall Outlet (HFTP)

Customer Premises Wall Outlet (HFTP)

The HFTP is a compact fiber wall outlet for use at the final fiber termination point in the customer premises. The HFTP provides mechanical protection and managed fiber control in an attractive format suitable for use inside customer premises. A variety of possible fiber termination techniques are accommodated.

Features and benefits

- Splicing to factory terminated pigtails

- Positive fiber management

- Direct termination with field installable connectors

- Attractive design for indoor use

- Can hold up to 4 mechanical splices (RECORDsplice) and fusion splice protectors (SMOUV and ANT) and mechanical SC connectors can be integrated as well

- Splice cable to cable

- Compatible with 2 SC Simplex adaptors

- Multiple cable entry points (cable diameter ≤ 6mm)

- Can be wall mounted and mounted on wall boxes with fixation points of 60mm

- Laser safe with individual shutters

HFTP - N0 - _ _ _ _ - _

Connector type

S1	No pigtails
S2	Two pigtails
NN	Four pigtails
L1	LC/UPC
L2	LC/APC
LN	No pigtails and adaptors but with LC shutters

Number of pigtails

0	
1	
2	
4	(LC only)

Mounting kit

E	Expansion screws

Number of adapters

0	
1	
2	

Accessories

CPWO-LABEL-(1000) Access screw cover and security label (MOQ/SPQ = 1000 pcs)

Note: HFTP-N0-NN00-E and HFTP-N0-LN00-E have an MOQ of 10 pcs. All other items have an MOQ = SPQ = 300 pcs. Packaging: 10 pieces per box

Accessories

Fiber Connector/Adapter Cleaning Kit

The fiber connector/adapter cleaning kit contains all the items required to adequately clean fiber connectors and adapters. The performance of an optical fiber system is largely dependent on the fiber connector cleaning procedures followed prior to installation. It is suggested that all the connectors and adapters be cleaned before making any connections. The kit cleans approximately 500 connectors or adapters.

Cleaning Kit

Ordering information

Description	Part number
Fiber connector/adapter cleaning kit	FPC-CLNKIT
Includes: Instruction sheet Lint-free wipes Isopropyl alcohol Cotton swabs Lint-free pipe cleaners Oil-free compressed air	

This kit contains flammable alcohol and compressed air. For this reason, it can be shipped by surface method only.

Accessories

Fiber Inspection Kit

Ordering information

Description	Image	Quantity	Part number
Optical Fiber Inspection and Cleaning Kit for Standard Connector Styles (LC, SC, ST, FC), MT-RJ, and MPO. Kit includes everything needed to perform routine fiber maintenance and troubleshooting - including cleaning tools, an inspection microscope, a visual fault locator, and a CD-ROM with detailed inspection, cleaning instructions and a rugged carrying case. Kit components:	A	1	2064651-1
Visual Fault Locator (VFL)) with 1.25 MM Adapter	B	1	1828352-2
200x Microscope with 2.5 mm Adapter	C	1	1754767-1
1.25 mm (LC) Microscope Adapter	D	1	1754765-1
MT-RJ Microscope Adapter	E	1	1754768-1
MPOA Microscope Adapter	F	1	1828837-1
MPO Microscope Adapter	G	1	1828836-1
Termination Training, CD-ROM	H	1	2064710-1
2.5 mm Stick Cleaners (10/package)	I	5	1918807-1
1.25 mm Stick Cleaners (10/package)	J	5	1918808-1
One Slot Reel Cleaner	K	1	1918803-1
MT-RJ w/pins Reel Cleaner	L	1	1918804-1
SC in Bulkhead Cleaner (IBC)	M	1	2064499-1
LC IBC	N	1	2064500-1
MPO IBC	O	1	1918809-1

Accessories

Accessories – Protective Tubing Cutting Tool

The protective tubing cutting tool is used to score the protective tubing so the tubing can be cut to the appropriate lengths for the final installation.
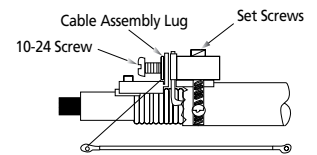
Ordering information

Description	Part number
Protective tubing cutting tool	BLK-BK0TUB

Accessories – Grounding Kit

Kit used to ground armored fiber cable.

Ordering information

Description	Part number

Grounding kit for;
Armored OSP cable
Includes:
   One cable assembly lug type ground kit
   One #6 ground cable 229 mm (9") long
	GAK-FEC001

Any armored loose tube or buffer tubed fiber
OSP cable
Includes:
   One bullet ground connector
   One #6 ground cable 127 mm (5") long
	GND-STPKIT

Frame mount configuration
Any armored loose tube or buffer tubed OSP cable
Includes:
   One bullet ground connector
   One #6 ground cable 305 mm (12") long
	FEC-ACCGND02

Grounding Kit
(GAK-FEC001 Shown)
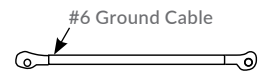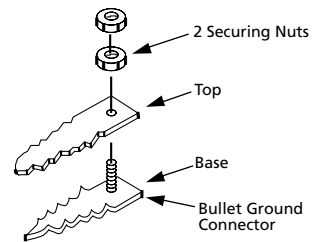
Grounding Kit
(GND-STPKIT Shown)

Grounding/Moisture Blocking Kits

Kit used to properly block gel filled stranded and ribbon cables.

Ordering information

Description	Part number
Grounding/Moisture blocking kit; Includes components for grounding and blocking gel filled fiber cables: blocking gel, heat shrink and grounding accessories	FBK-0SP002
Moisture blocking kit; Includes components for blocking gel filled fiber cables: syringe, blocking gel	BLK-MSTRKIT

Accessories

Accessories – Splice Protector Sleeve

The splice protector sleeve is constructed to protect a splice post fusion. It is made from heat shrinkable material and contains a built-in strength member for physical protection of the fusion splice. The splice protector sleeve is placed on the fiber before making a splice, moved over the splice when the splice fusion is complete and shrunk into place. They are available in either single fiber or mass fusion sleeves.
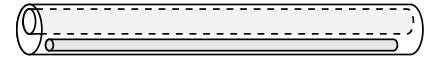
Splice Protector Sleeve
(FST-ACC001 Shown)

Ordering information

Description	Part number
Splice protector sleeve for	
Single fiber – single fusion; 60 mm (2.4") length, 1 each	FST-ACC001
Single fiber – single fusion; 40 mm (1.6") length, 1 each	FST-ACC005
12-fiber – mass fusion – heat shrink; 40 mm (1.6") length, 1 each	FST-ACC006

Accessories – 216 Tools – Can Wrench Keys

Ordering information

Description	Part number
Nickel plated brass can wrench key For use in loosening/tightening security screws	OSP-216BKEY1
Aluminum can wrench key For use in loosening/tightening security screws	OSP-216BKEY2
Plastic can wrench key For use in loosening/tightening security screws	OSP-216BKEY3

Everyone communicates. It's the essence of the human experience. *How* we communicate is evolving. Technology is reshaping the way we live, learn and thrive. The epicenter of this transformation is the network—our passion. Our experts are rethinking the purpose, role and usage of networks to help our customers increase bandwidth, expand capacity, enhance efficiency, speed deployment and simplify migration. From remote cell sites to massive sports arenas, from busy airports to state-of-the-art data centers—we provide the essential expertise and vital infrastructure your business needs to succeed. The world's most advanced networks rely on CommScope connectivity.

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