

# FTTH network ePlanner

Telco Service Providers—North America



COMMScope®



## INTRODUCTION

### CommScope FTTH ePlanner

Welcome to the CommScope FTTH ePlanner. The purpose of this document is to guide telco service providers, network planners and engineers through the design, selection, and identification of the necessary components for fiber optic networks that best suit their specific application needs.

This ePlanner brings together CommScope's four-decade experience shaping FTTH networks, solutions, and products. While not a comprehensive design tool, the information here will aid with the understanding of architecture and topology options available, pros and cons for each, and critical factors to consider when designing a network. Over 20 different network topologies, from the central office to the MDU, are presented. Each solution includes schematics, typical application recommendations, and a list of the most common part numbers.


### How this ePlanner is organized

Use the **Network topology decision trees** to find the right topology for your application by following logic that guides the user through various topologies, pros and cons, and most common CommScope products used for each of the solutions. Quickly access the topology configuration of choice and the most common products associated with it.

[Important navigation tips >>](#)



Click on the decision trees below  to help plan your network

Central office 

Feeder and distribution tree 

SFU drop decision tree 

MDU drop decision tree 

ODF configuration

01 NG4 Access Distribution Frame

02 LSX Distribution Frame

Fiber Optic Panel Configuration

03 FPX Fiber Termination Panel

04 Rapid Fiber Panel

05 FDF Fiber Distribution Frame

Centralized

01 Standard, mid-span

02 Hardened, pre-cabled

03 Hardened, mid-span

04 Hardened, mix

Distributed—Cascaded

05 Standard, mid-span

06 Hardened, pre-cabled

07 Hardened, mid-span

08 Hardened, mix

Distributed—Fiber Indexing

09 Hardened, pre-cabled

Distributed—Optical Tap

10 Standard, mid-span

11 Hardened, hardened

Standard

01 Preconnectorized with transition box

02 Preconnectorized

Hardened

03 Preconnectorized with transition box

04 Preconnectorized

Centralized

01 Traditional MDUs

02 Rapid without split

03 Rapid with split

*With this ePlanner, our goal is to facilitate and speed your network design process. We are happy to schedule time with you, answer any questions you might have, and provide additional assistance.*



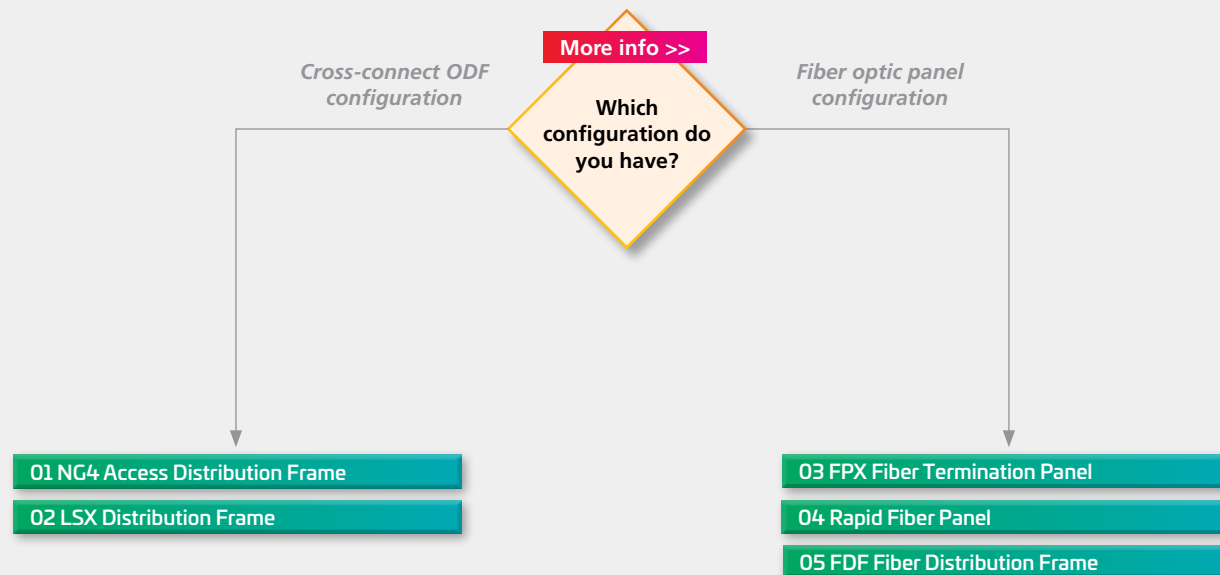
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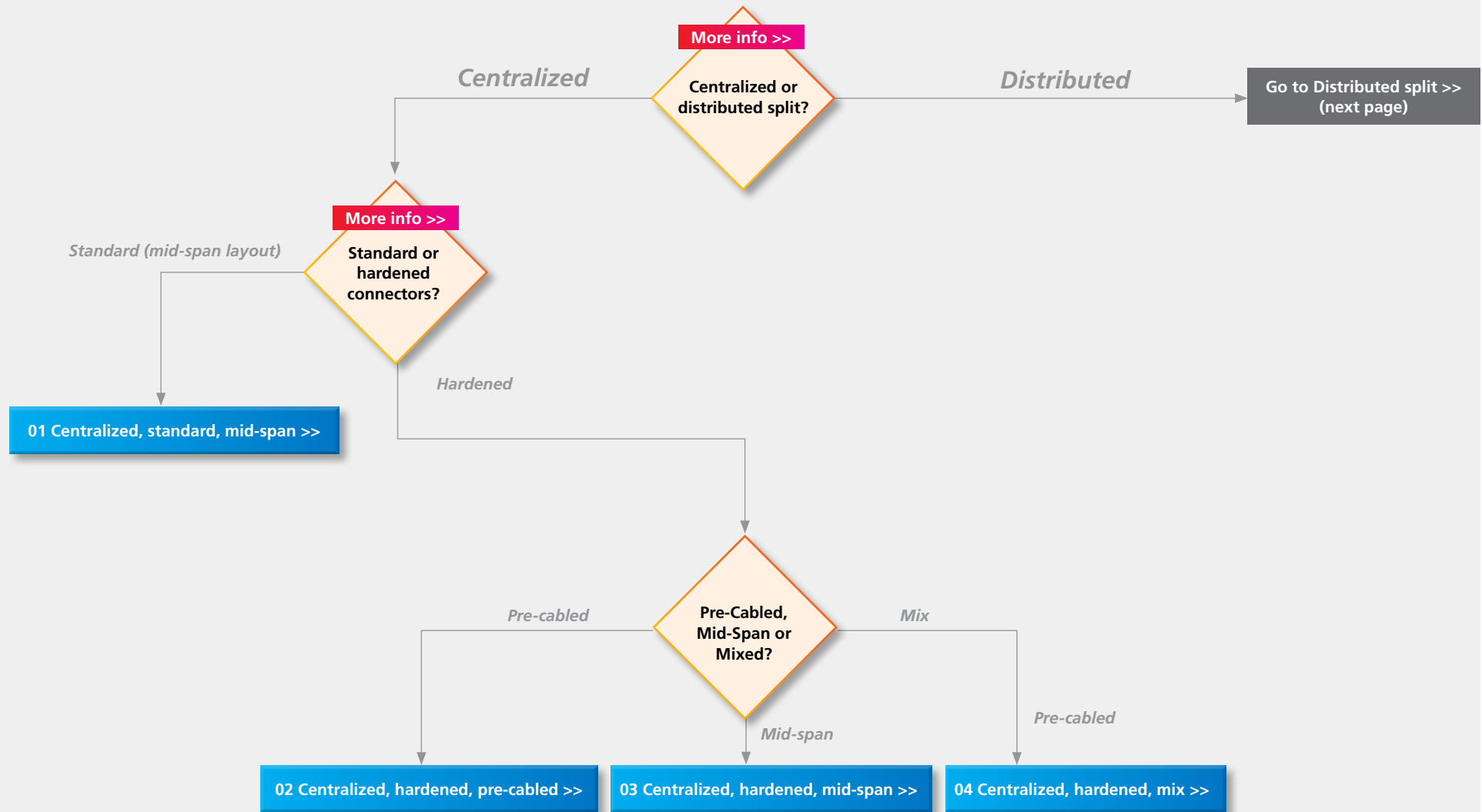
# Network topology decision trees ↗



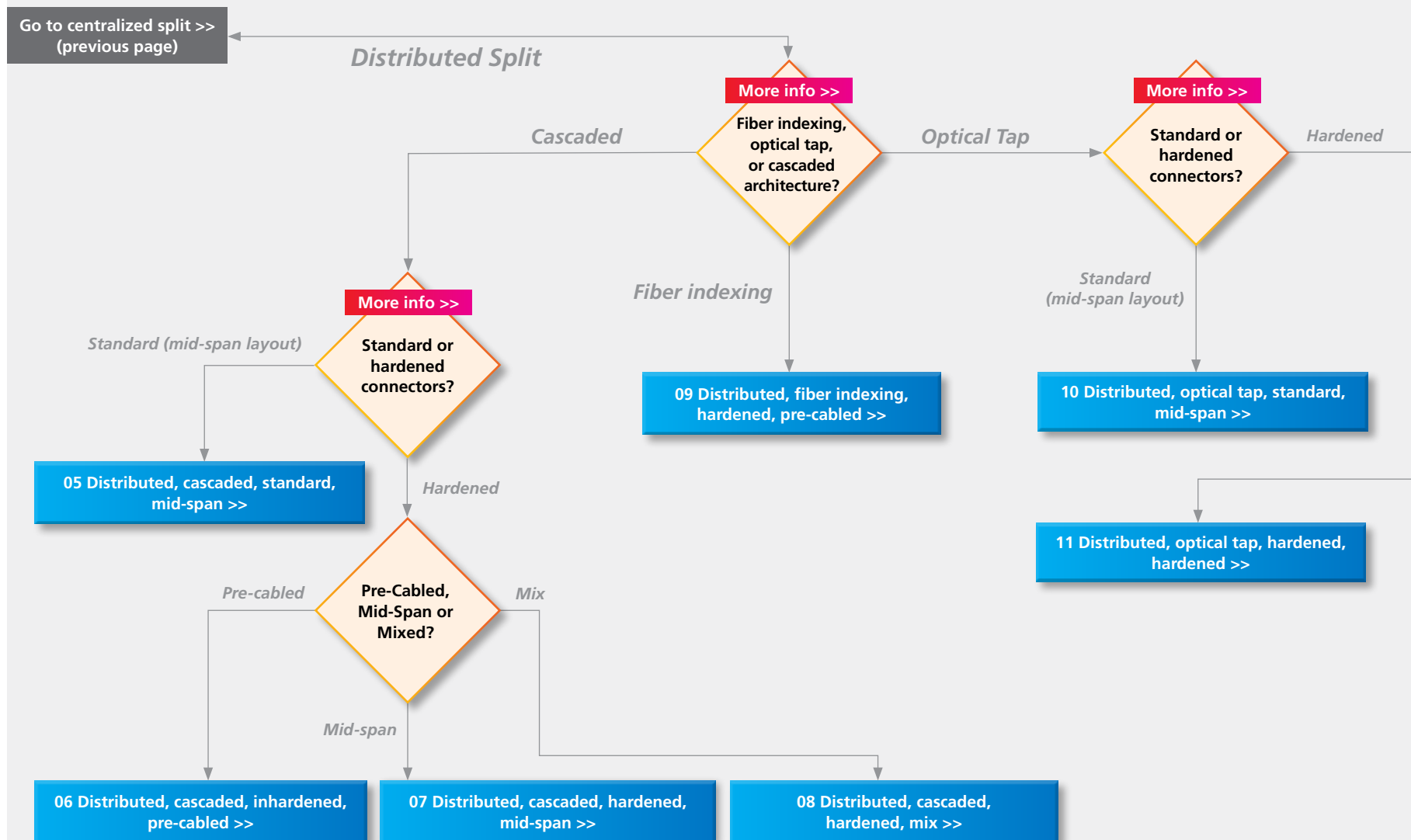
Click on a green box to go to that topology.



Click on "more info" to help with the decision. Click on a blue box to go to that topology.

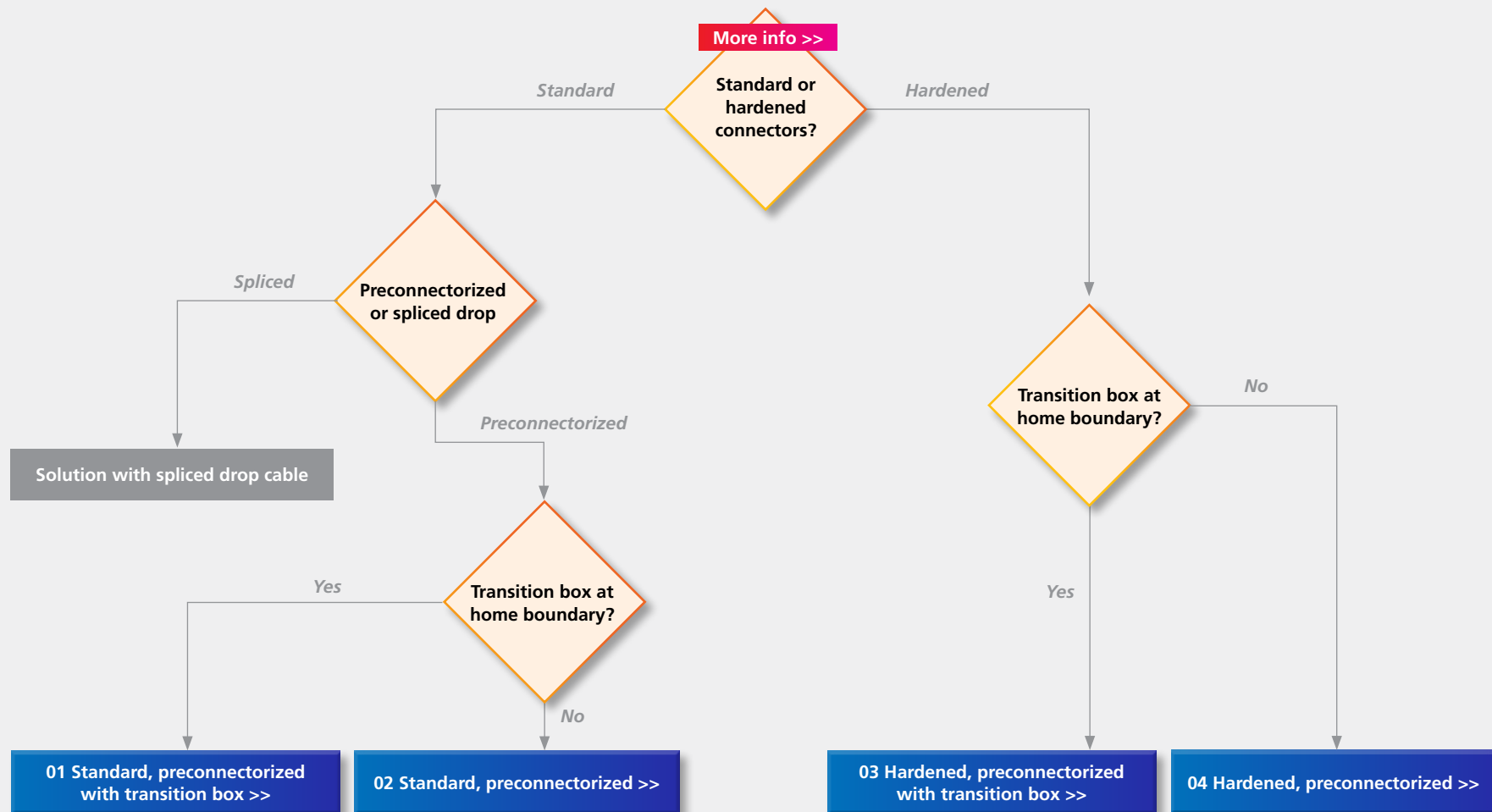


Click on "more info" to help with the decision. Click on a blue box to go to that topology.

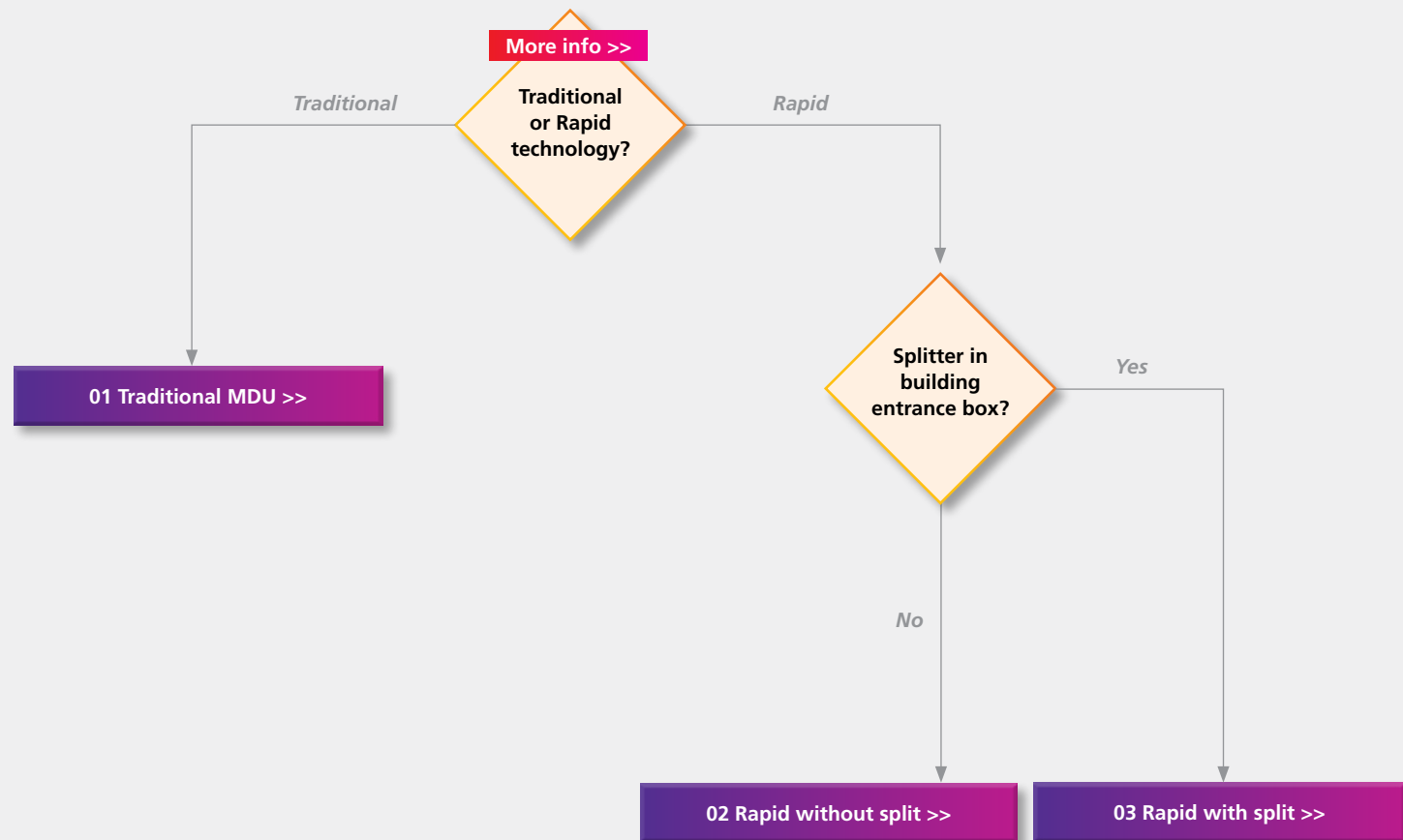




Click on "more info" to help with the decision. Click on a blue box to go to that topology.



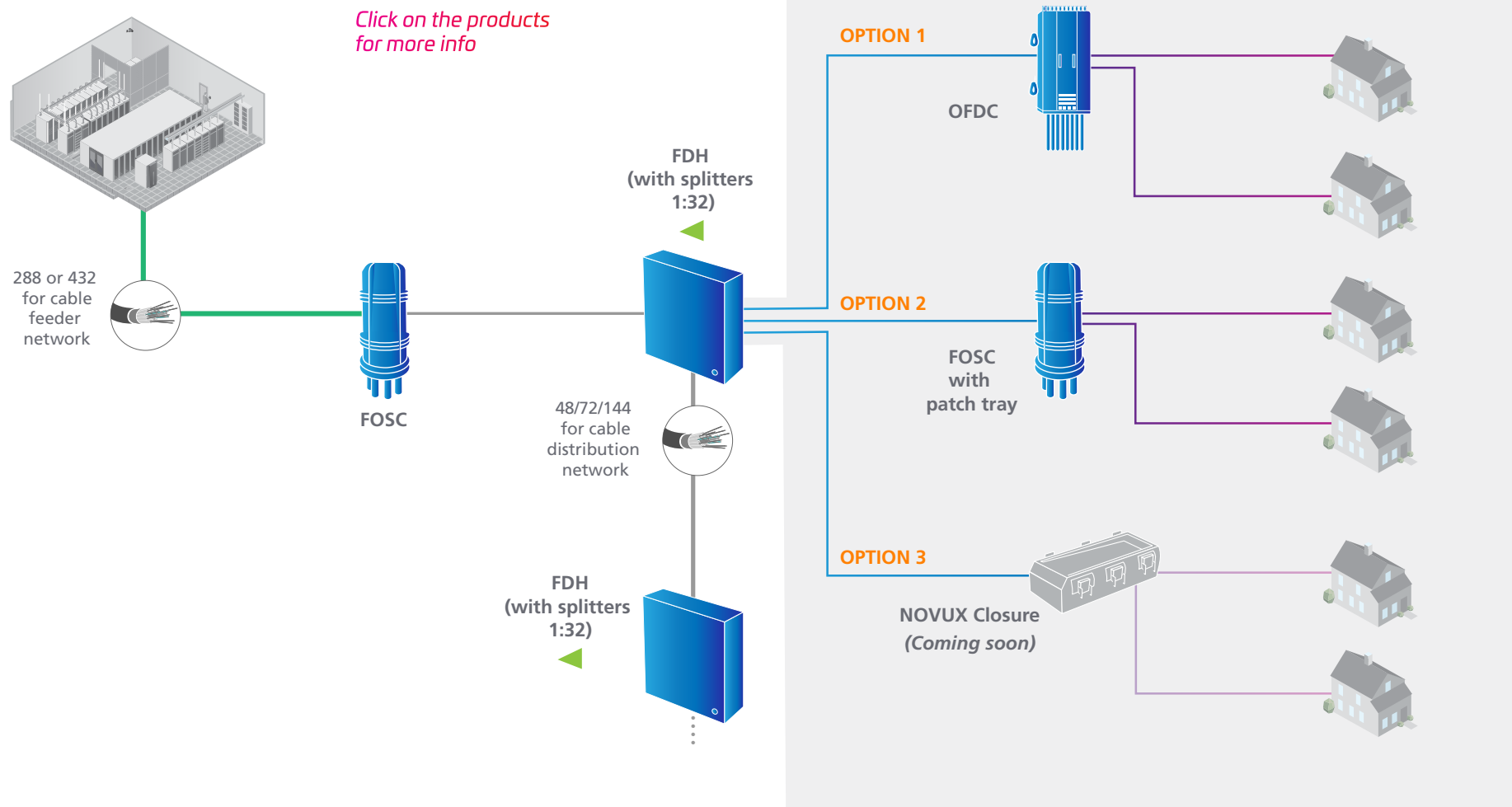
Click on "more info" to help with the decision. Click on a purple box to go to that topology.



# Feeder and distribution network topologies



Inside plant	Outside plant	Customer connection
Central office	Feeder and Distribution	Drop



## FOSC 450—most common parts

Part number	Description
931866-000   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
058514-000   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
FOSC-ACC-D-TRAY-P-SC/APC	D-size Patch Tray, adapter retainer, and 12 SC/APC style adapters
FOSC-ACC-B-TRAY-P-16-0	B-size Patch Tray with adapter retainer holds up to 16 SC style adapters
<b>Splice Trays</b>	
898849-000   FOSC-ACC-B-TRAY-12	B-size Splice Tray, 12-fiber capacity includes two SM6 Splice Modules, B-closure holds up to 4 splice trays
915167-000   FOSC-ACC-D-TRAY-72	D-size Splice Tray, 72-fiber capacity includes six SM12 Splice Modules, D-closure holds up to 8 splice trays



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[FOSC ordering guide >>](#)

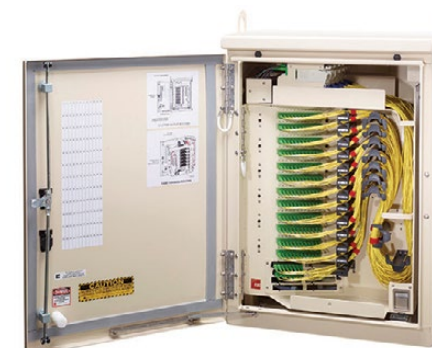
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## Fiber distribution hub—most common parts

Part number	Description
<b>FDH 3000</b>	
FD3-AE288J00JGBP1-P	FDH 3000 Pole Mount, 288 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FD3-AG432J00JFBP1N	FDH 3000 Pad Mount, 432 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FPS-MPP1AJJ	FDH 3000 Plug-and-Play Splitter Module, 1x32, SC/APC
FPS-MPP1SJJ	FDH 3000 Plug-and-Play Splitter Module, 1x64, SC/APC
<b>Mini-288</b>	
FD4M-288S00DDB4	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pad mount with 8" riser
FD4M-288S00DDB4P	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pole/ wall mount
FPS-CMPP2ASS	Mini-288 Splitter Module, 1x32, input LC/APC, output LC/APC
FPS-CMPP2SSS	Mini-288 Splitter Module, 1x64, input LC/APC, output LC/APC
<b>FDH 4000</b>	
FD4S-A288S00GDB1	FDH 4000, 288 Fiber Distribution LC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis LC/APC, Armored Loose Tube Fiber Cable 100 foot stub
FPS-CMPP2ASS	FDH-4000 Splitter Module, 1x32, input LC/APC, output LC/APC
FPS-CMPP2SSS	FDH-4000 Splitter Module, 1x64, input LC/APC, output LC/APC

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[FDH 3000 brochure >>](#)   [Mini 288 brochure >>](#)   [FDH 4000 brochure >>](#)



FDH 3000



Mini 288



FDH 4000

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## OFDC—most common parts

Part number	Description
OFDC-C12-S2/TT-NN-N-96-US21	OFDC C12 Fiber Optic Splice/Patch Closure, Gel Cable sealing, two pre-installed 12-fiber splice trays, 12 SC/APC adapters and pigtails, no splitter, armored cable grounding, strand and pedestal mounting kit
OFDC-B8G-S2/88-NN-N-66	OFDC B8G Fiber Optic Splice/Patch Closure, Gel Cable sealing, 4 pre-installed 12-fiber splice trays, 1 pre-installed 18-fiber splice tray, 8 SC/APC adapters and pigtails
OFDC-A4-S2/44-NN-N-24	OFDC-A4 Fiber Optic Splice/Patch Closure, gel cable sealing, 2 pre-installed 12-fiber splice trays, 4 SC/APC adapters and pigtails, no splitter



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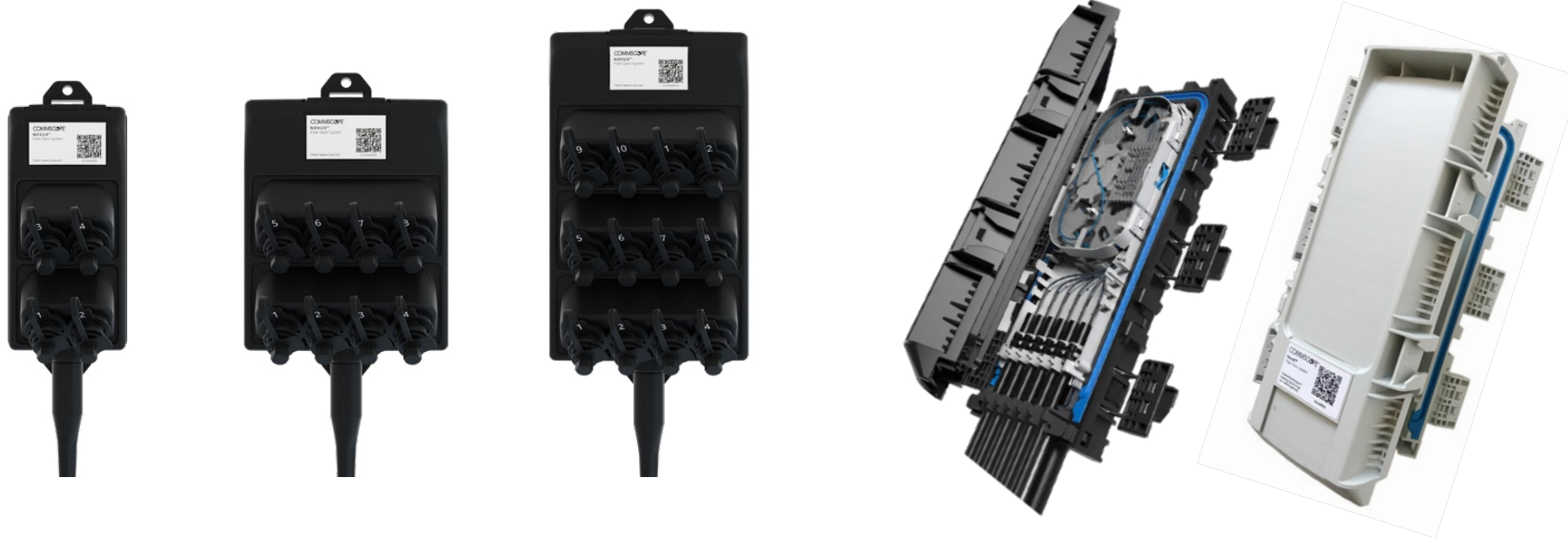
[OFDC product family >>](#)

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*Coming soon...*

## NOVUX™ Fiber Closures and Hardened Terminals

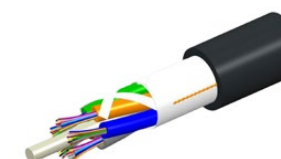
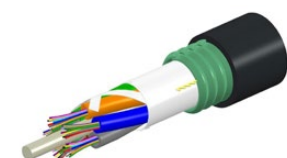
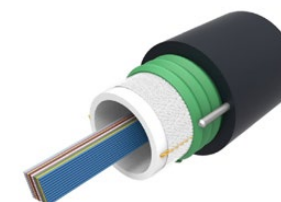
NOVUX follows in the footsteps of CommScope's fiber closures and hardened terminals which have earned the trust of networks across the globe and have defined the standards the industry to this day. The new NOVUX FTTX products are simply the evolution of their design excellence with state-of-the-art technologies. Soon to be available, the new NOVUX fiber closures and hardened terminals are designed in response to customers' needs for solutions that enable agile market response, application flexibility and efficiencies. Ask your CommScope representative for more information.



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## Cables—most common parts

Part number	Description
<b>Trunk Fiber Cable</b>	
O-xxx-CA-RB-F24NS/8W/99B	Outdoor Steel Armored, Gel-Filled Central Tube Ribbon Cable
O-xxx-CN-RB-F24NS/8W/99B	Outdoor Non-Armored, All-Dielectric, Gel-Filled Central Tube Ribbon Cable
<b>Distribution Fiber Cable</b>	
D-xxx-LA-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket/Single Armor, Gel-Free, Outdoor Stranded Loose Tube Cable (xxx = fiber count)
D-xxx-LN-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket All-Dielectric, Gel-Free, Outdoor Stranded Loose Tube Cable ( xxx = fiber count )
<b>Drop Fiber Cables Standard Termination</b>	
FHD-JJ1A-0500F	RealFlex® Fiber Optic Drop Cable, SC/APC to SC/APC, dielectric flat, 500 ft (available in other lengths)



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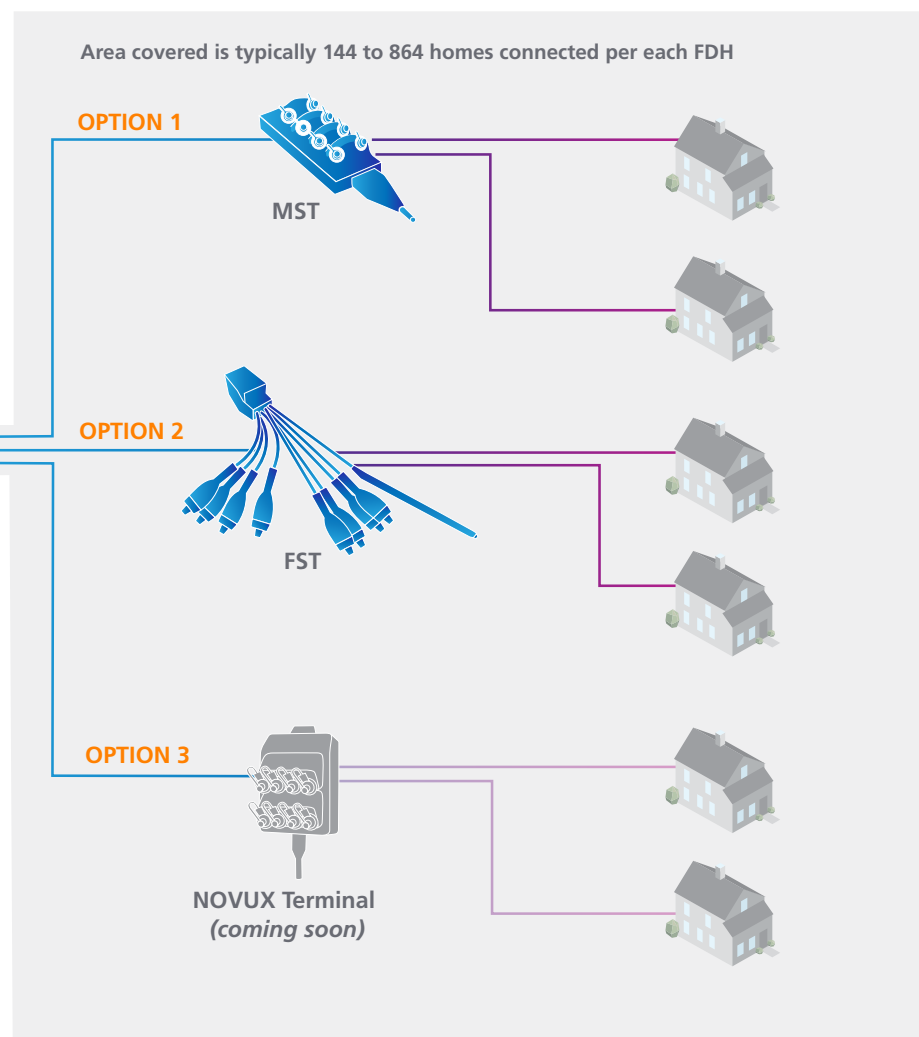
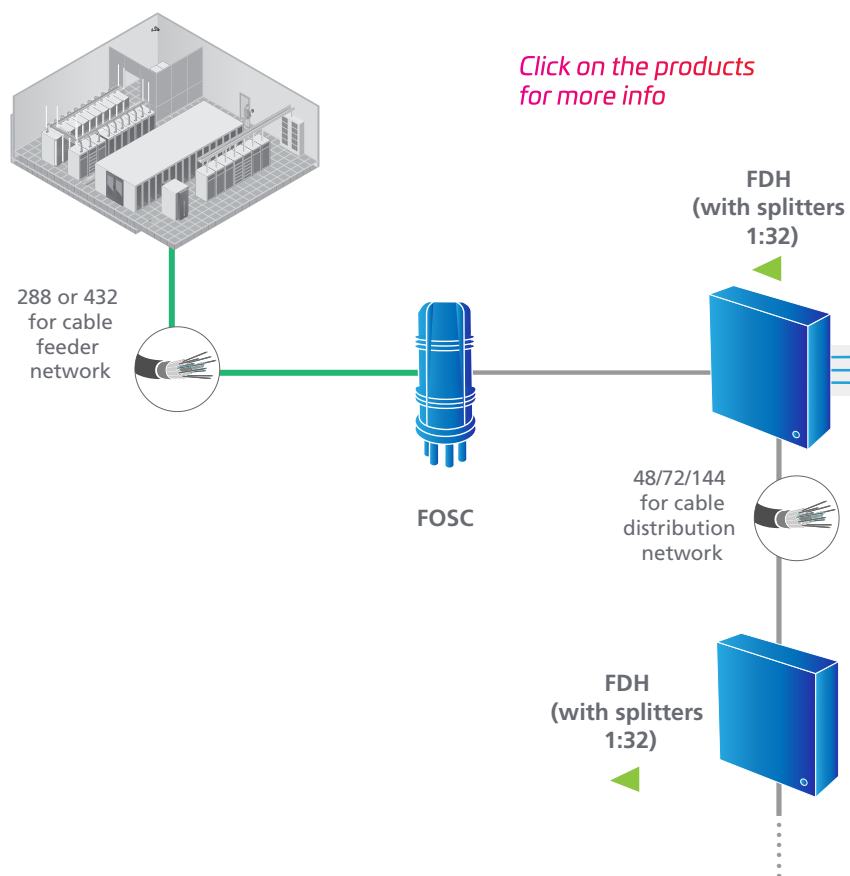
[Outside Plant Fiber Cables >>](#)

[Fiber Drop Cables >>](#)

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Inside plant	Outside plant	Customer connection
Central office	Feeder and Distribution	Drop



## FOSC 450—most common parts

Part number	Description
931866-000   FOSC450-D6-6-NT-0-D6V	FOSCTM450 D6 Fiber Optic Splice Closure, Gel Cable sealing, no pre-installed tray, 6 cable attach., six ground feedthrough lugs, with test valve
058514-000   FOSC450-B6-6-NT-0-B3V	FOSCTM450 B6 Fiber Optic Splice Closure, Gel Cable sealing, no pre-installed tray, 6 cable attach., three ground feedthrough lugs, with test valve
<b>Splice Trays</b>	
898849-000   FOSC-ACC-B-TRAY-12	B-size Splice Tray, 12-fiber capacity includes two SM6 Splice Modules, B-closure holds up to 4 splice trays
915167-000   FOSC-ACC-D-TRAY-72	D-size Splice Tray, 72-fiber capacity includes six SM12 Splice Modules, D-closure holds up to 8 splice trays



### LEARN MORE

[FOSC ordering guide >>](#)

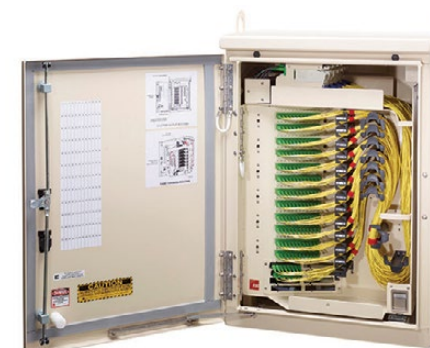
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## Fiber distribution hub—most common parts

Part number	Description
<b>FDH 3000</b>	
FD3-AE288J00JGBP1-P	FDH 3000 Pole Mount, 288 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FD3-AG432J00JFBP1N	FDH 3000 Pad Mount, 432 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FPS-MPP1AJJ	FDH 3000 Plug-and-Play Splitter Module, 1x32, SC/APC
FPS-MPP1SJJ	FDH 3000 Plug-and-Play Splitter Module, 1x64, SC/APC
<b>Mini-288</b>	
FD4M-288S00DDB4	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pad mount with 8" riser
FD4M-288S00DDB4P	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pole/ wall mount
FPS-CMPP2ASS	Mini-288 Splitter Module, 1x32, input LC/APC, output LC/APC
FPS-CMPP2SSS	Mini-288 Splitter Module, 1x64, input LC/APC, output LC/APC
<b>FDH 4000</b>	
FD4S-A288S00GDB1	FDH 4000, 288 Fiber Distribution LC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis LC/APC, Armored Loose Tube Fiber Cable 100 foot stub
FPS-CMPP2ASS	FDH-4000 Splitter Module, 1x32, input LC/APC, output LC/APC
FPS-CMPP2SSS	FDH-4000 Splitter Module, 1x64, input LC/APC, output LC/APC

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[FDH 3000 brochure >>](#)   [Mini 288 brochure >>](#)   [FDH 4000 brochure >>](#)



FDH 3000



Mini 288



FDH 4000

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## MST and FST—most common parts

Part number	Description
<b>MST Multiport Service Terminals</b>	
MST-12MH00-B0500U	MST, Fiber Optic Multiport Service Terminal, 12-port, Full-size hardened adapters, long 2xN port, Stub Tail, locatable flat loose tube cable, 500 ft
MST-08MH00-B0500U	MST, Fiber Optic Multiport Service Terminal, 8-port, Full-size hardened adapters, long 2xN port, Stub Tail, locatable flat loose tube cable, 500 ft
MST-06MH00-B0500U	MST, Fiber Optic Multiport Service Terminal, 6-port, Full-size hardened adapters, long 2xN port, Stub Tail, locatable flat loose tube cable, 500 ft
MST-04MH00-B0500A	MST, Fiber Optic Multiport Service Terminal, 4-port, Full-size hardened adapters, long 2xN port, Stub Tail, locatable flat loose tube cable, 500 ft
MST-02MH00-B0500U	MST, Fiber Optic Multiport Service Terminal, 2-port, Full-size hardened adapters, long 2xN port, Stub Tail, locatable flat loose tube cable, 500 ft
<b>FST Flexible Service Terminal</b>	
FST-T-12NHM1-A0001F	FST Flexible Service Terminal, 12 Port, 12 Full-size hardened adapters at drop side, 1 HMFOC Stub (Pinned/Jack) at feeder side, black, 1 ft long
FST-T-08NHM1-A0001F	FST Flexible Service Terminal, 8 Port, 8 Full-size hardened adapters at drop side, 1 HMFOC Stub (Pinned/Jack) at feeder side, black, 1 ft long
FST-T-04NHM1-A0001F	FST Flexible Service Terminal, 4 Port, 4 Full-size hardened adapters at drop side, 1 HMFOC Stub (Pinned/Jack) at feeder side, black, 1 ft long



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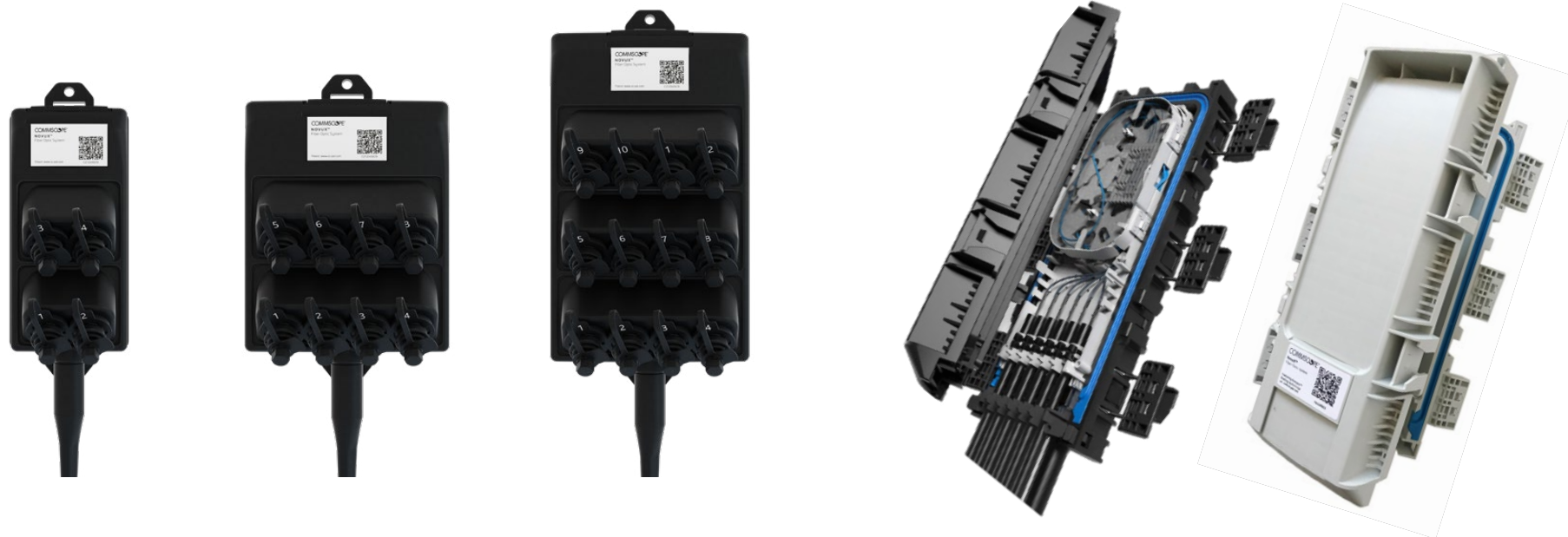
[Fiber Access Terminals >>](#)

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*Coming soon...*

## NOVUX™ Fiber Closures and Hardened Terminals

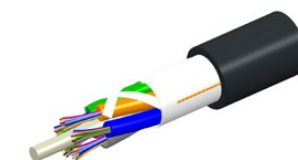
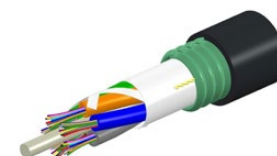
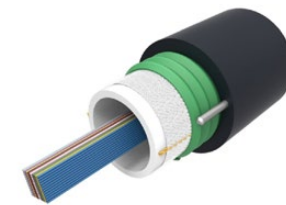
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## Cables: most common parts

Part number	Description
<b>Trunk Fiber Cable</b>	
O-xxx-CA-RB-F24NS/8W/99B	Outdoor Steel Armored, Gel-Filled Central Tube Ribbon Cable
O-xxx-CN-RB-F24NS/8W/99B	Outdoor Non-Armored, All-Dielectric, Gel-Filled Central Tube Ribbon Cable
<b>Distribution Fiber Cable</b>	
D-xxx-LA-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket/Single Armor, Gel-Free, Outdoor Stranded Loose Tube Cable (xxx = fiber count)
D-xxx-LN-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket All-Dielectric, Gel-Free, Outdoor Stranded Loose Tube Cable ( xxx = fiber count )
<b>Drop Fiber Cables Hardened</b>	
FHD-HJ1A-0500F	RealFlex® Fiber Optic Drop Cable, hardened full-size to SC/APC, dielectric flat, 500 ft (available in other lengths)
<b>FST Extension Cable to FOSC</b>	
MHD-F0DA-0200F	Hardened Multifiber Optical Connector (HMFOC) cable assembly, HMFOC jack to stub, 12-fiber, 200 feet



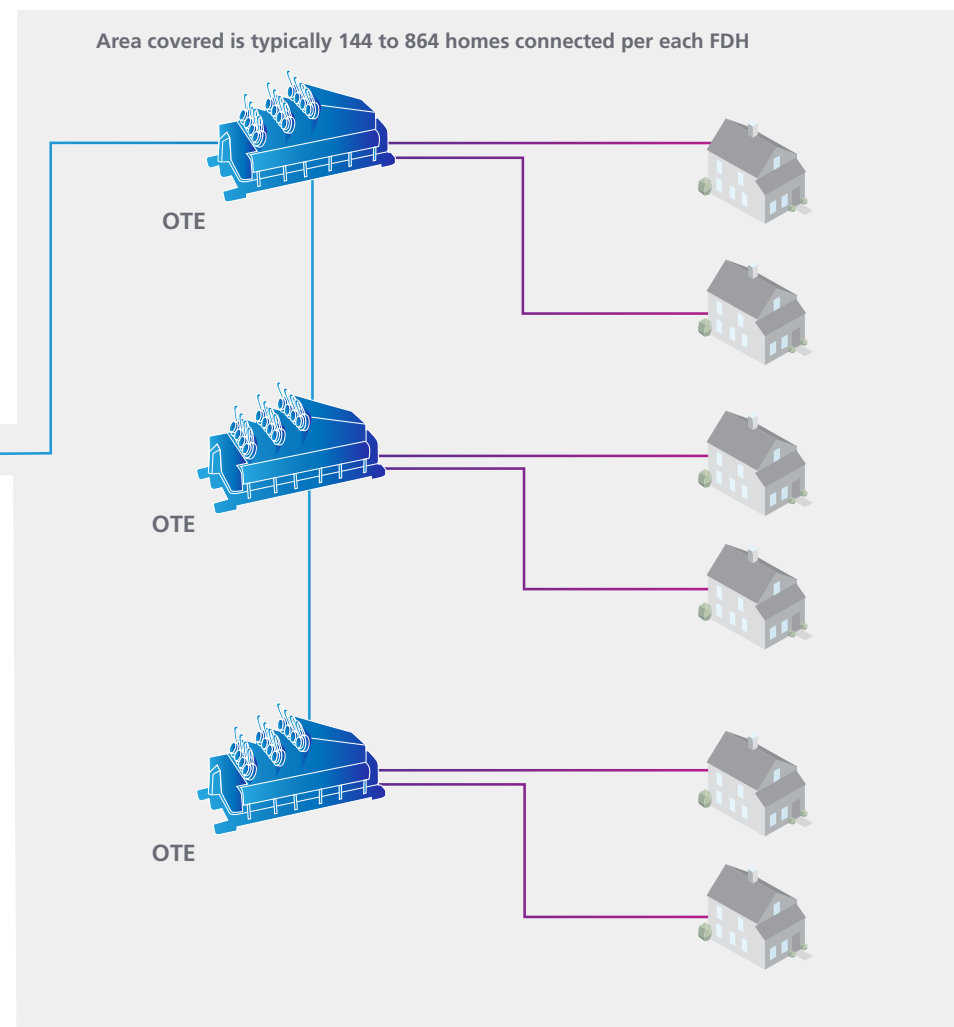
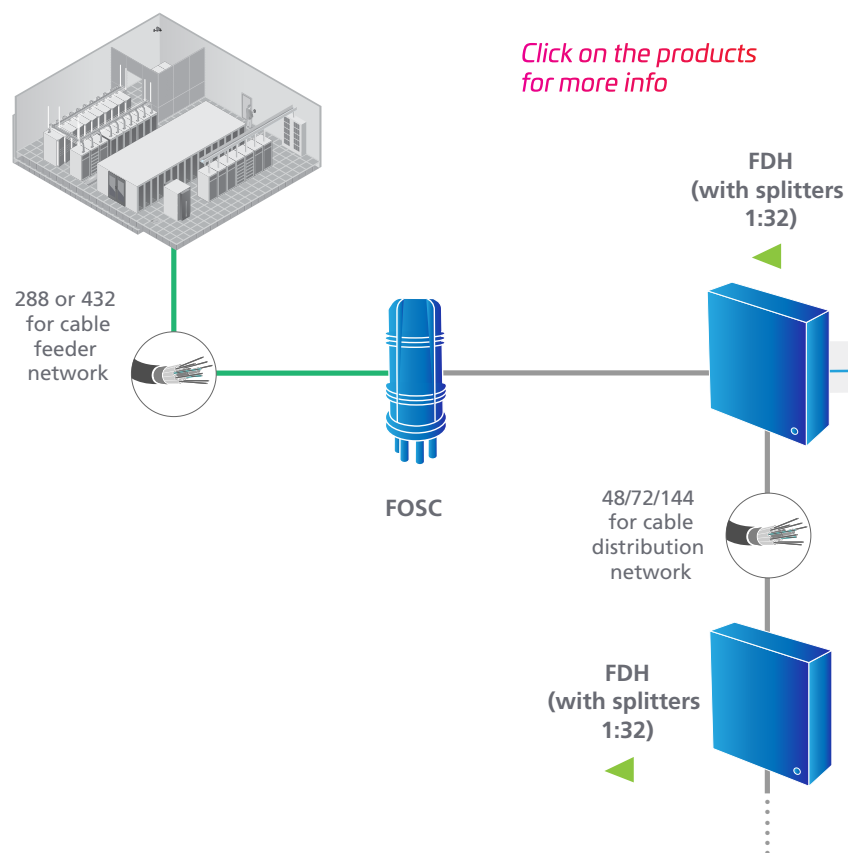
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[Outside Plant Fiber Cables >>](#)

[Fiber Drop Cables >>](#)

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Inside plant	Outside plant	Customer connection
Central office	Feeder and Distribution	Drop





## FOSC 450—most common parts

Part number	Description
931866-000   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
058514-000   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
<b>Splice Trays</b>	
898849-000   FOSC-ACC-B-TRAY-12	B-size Splice Tray, 12-fiber capacity includes two SM6 Splice Modules, B-closure holds up to 4 splice trays
915167-000   FOSC-ACC-D-TRAY-72	D-size Splice Tray, 72-fiber capacity includes six SM12 Splice Modules, D-closure holds up to 8 splice trays



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[FOSC ordering guide>>](#)

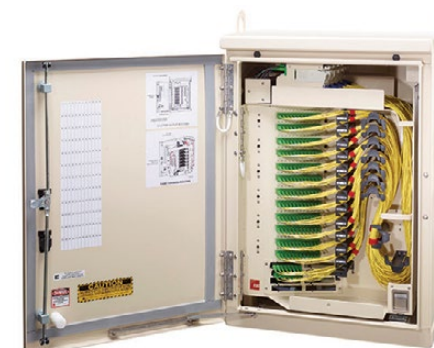
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## Fiber distribution hub—most common parts

Part number	Description
<b>FDH 3000</b>	
FD3-AE288J00JGBP1-P	FDH 3000 Pole Mount, 288 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FD3-AG432J00JFBP1N	FDH 3000 Pad Mount, 432 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FPS-MPP1AJJ	FDH 3000 Plug-and-Play Splitter Module, 1x32, SC/APC
FPS-MPP1SJJ	FDH 3000 Plug-and-Play Splitter Module, 1x64, SC/APC
<b>Mini-288</b>	
FD4M-288S00DDB4	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pad mount with 8" riser
FD4M-288S00DDB4P	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pole/ wall mount
FPS-CMPP2ASS	Mini-288 Splitter Module, 1x32, input LC/APC, output LC/APC
FPS-CMPP2SSS	Mini-288 Splitter Module, 1x64, input LC/APC, output LC/APC
<b>FDH 4000</b>	
FD4S-A288S00GDB1	FDH 4000, 288 Fiber Distribution LC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis LC/APC, Armored Loose Tube Fiber Cable 100 foot stub
FPS-CMPP2ASS	FDH-4000 Splitter Module, 1x32, input LC/APC, output LC/APC
FPS-CMPP2SSS	FDH-4000 Splitter Module, 1x64, input LC/APC, output LC/APC

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[FDH 3000 brochure >>](#) [Mini 288 brochure >>](#) [FDH 4000 brochure >>](#)



FDH 3000



Mini 288

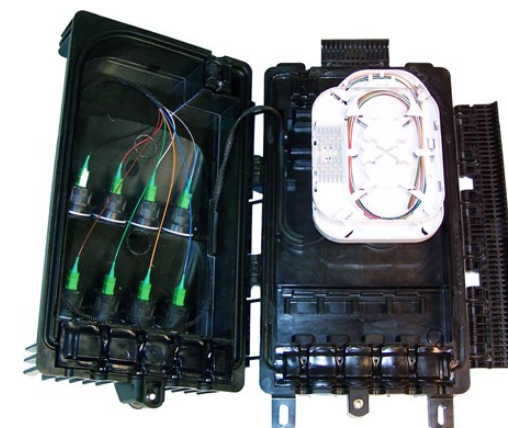


FDH 4000

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## OTE—most common parts

Part number	Description
<b>Mini OTE 300 Multiport Terminal</b>	
OTE-012MH-NN-EXTG03	Mini-OTE 300-Series, Optical Terminal Enclosure, 12-port full-size connector, no splitter, black, with grounding, external mounting
OTE-08MH-NN-EXTG03	Mini-OTE 300-Series, Optical Terminal Enclosure, 8-port full-size connector, no splitter, black, with grounding, external mounting
OTE-06MH-NN-EXTG03	Mini-OTE 300-Series, Optical Terminal Enclosure, 6-port full-size connector, no splitter, black, with grounding, external mounting
OTE-04MH-NN-EXTG03	Mini-OTE 300-Series, Optical Terminal Enclosure, 4-port full-size connector, no splitter, black, with grounding, external mounting
OTE-02MH-NN-EXTG03	Mini-OTE 300-Series, Optical Terminal Enclosure, 2-port full-size connector, no splitter, black, with grounding, external mounting

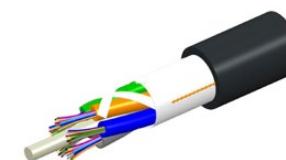
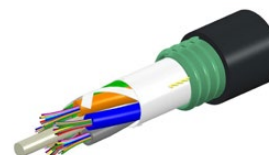
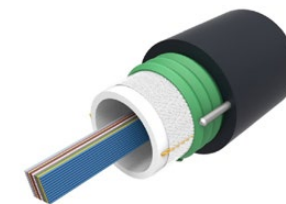


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[OTE portfolio brochure >>](#)

## Cables—most common parts

Part number	Description
<b>Trunk Fiber Cable</b>	
O-xxx-CA-RB-F24NS/8W/99B	Outdoor Steel Armored, Gel-Filled Central Tube Ribbon Cable
O-xxx-CN-RB-F24NS/8W/99B	Outdoor Non-Armored, All-Dielectric, Gel-Filled Central Tube Ribbon Cable
<b>Distribution Fiber Cable</b>	
D-xxx-LA-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket/Single Armor, Gel-Free, Outdoor Stranded Loose Tube Cable (xxx = fiber count)
D-xxx-LN-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket All-Dielectric, Gel-Free, Outdoor Stranded Loose Tube Cable ( xxx = fiber count )
<b>Drop Fiber Cables Hardened</b>	
FHD-HJ1A-0500F	RealFlex® Fiber Optic Drop Cable, hardened full-size to SC/APC, dielectric flat, 500 ft (available in other lengths)



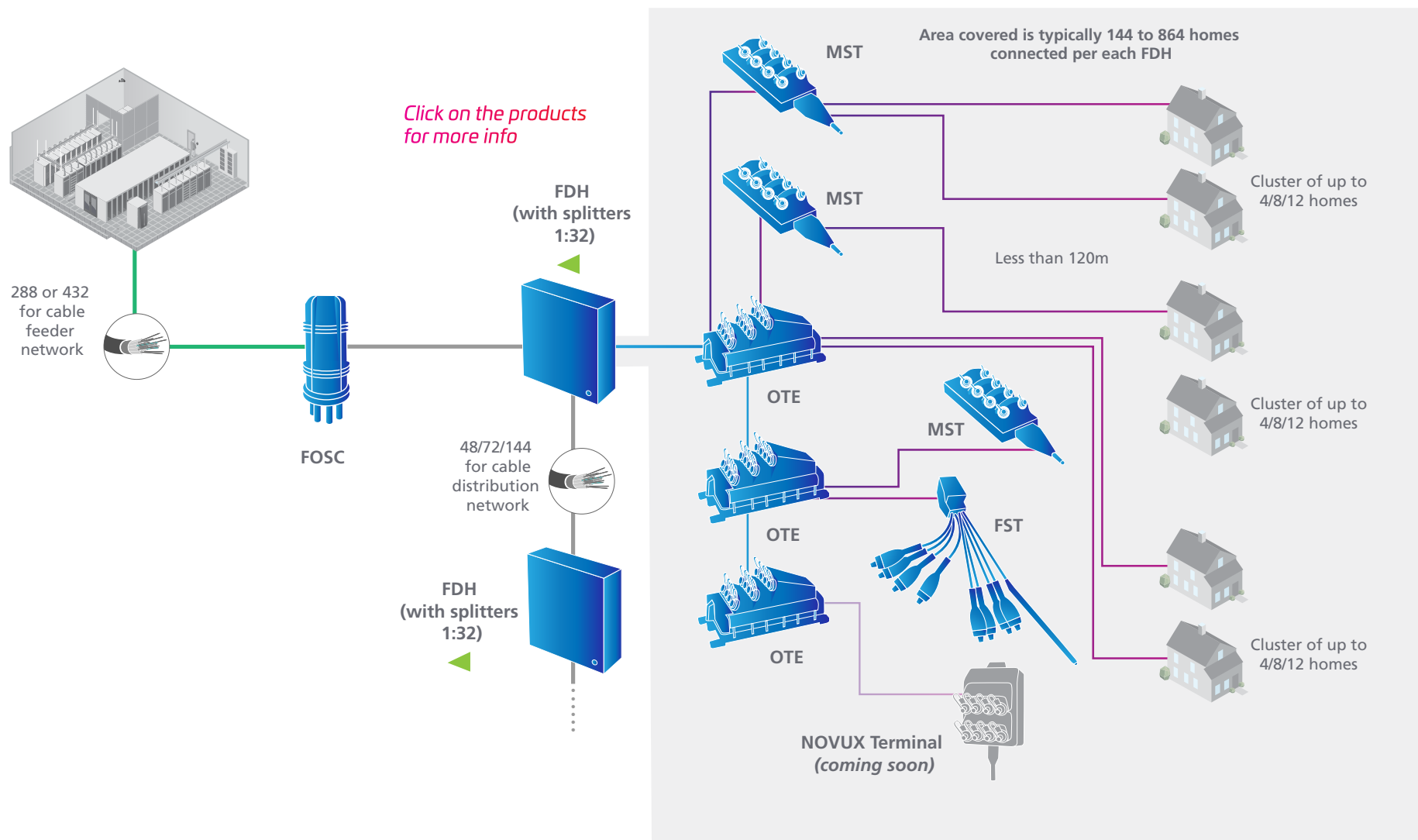
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[Outside Plant Fiber Cables >>](#)

[Fiber Drop Cables >>](#)

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Inside plant	Outside plant	Customer connection
Central office	Feeder and Distribution	Drop



## FOSC 450—most common parts

Part number	Description
931866-000   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
058514-000   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
<b>Splice Trays</b>	
898849-000   FOSC-ACC-B-TRAY-12	B-size Splice Tray, 12-fiber capacity includes two SM6 Splice Modules, B-closure holds up to 4 splice trays
915167-000   FOSC-ACC-D-TRAY-72	D-size Splice Tray, 72-fiber capacity includes six SM12 Splice Modules, D-closure holds up to 8 splice trays



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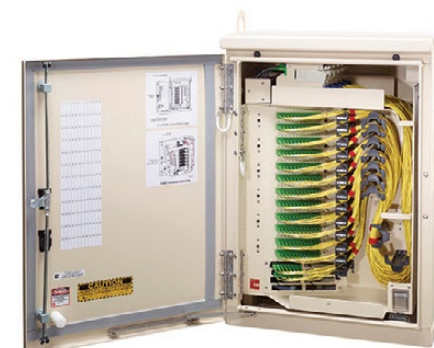
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## Fiber distribution hub—most common parts

Part number	Description
<b>FDH 3000</b>	
FD3-AE288J00JGBP1-P	FDH 3000 Pole Mount, 288 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FD3-AG432J00JFBP1N	FDH 3000 Pad Mount, 432 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FPS-MPP1AJJ	FDH 3000 Plug-and-Play Splitter Module, 1x32, SC/APC
FPS-MPP1SJJ	FDH 3000 Plug-and-Play Splitter Module, 1x64, SC/APC
<b>Mini-288</b>	
FD4M-288S00DDB4	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pad mount with 8" riser
FD4M-288S00DDB4P	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pole/ wall mount
FPS-CMPP2ASS	Mini-288 Splitter Module, 1x32, input LC/APC, output LC/APC
FPS-CMPP2SSS	Mini-288 Splitter Module, 1x64, input LC/APC, output LC/APC
<b>FDH 4000</b>	
FD4S-A288S00GDB1	FDH 4000, 288 Fiber Distribution LC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis LC/APC, Armored Loose Tube Fiber Cable 100 foot stub
FPS-CMPP2ASS	FDH-4000 Splitter Module, 1x32, input LC/APC, output LC/APC
FPS-CMPP2SSS	FDH-4000 Splitter Module, 1x64, input LC/APC, output LC/APC

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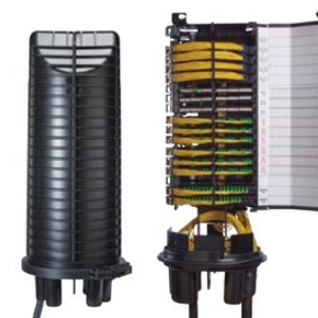
[FDH 3000 brochure >>](#)   [Mini 288 brochure >>](#)   [FDH 4000 brochure >>](#)



FDH 3000



Mini 288



FDH 4000

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## MST and FST—most common parts

Part number	Description
<b>MST Multiport Service Terminals</b>	
MST-12MH00-B0500U	MST, Fiber Optic Multiport Service Terminal, 12-port, long 2xN port, Stub Tail, locatable flat loose tube cable, 500 ft
MST-08MH00-B0500U	MST, Fiber Optic Multiport Service Terminal, 8-port, long 2xN port, Stub Tail, locatable flat loose tube cable, 500 ft
MST-06MH00-B0500U	MST, Fiber Optic Multiport Service Terminal, 6-port, long 2xN port, Stub Tail, locatable flat loose tube cable, 500 ft
MST-04MH00-B0500A	MST, Fiber Optic Multiport Service Terminal, 4-port, long 2xN port, Stub Tail, locatable flat loose tube cable, 500 ft
MST-02MH00-B0500U	MST, Fiber Optic Multiport Service Terminal, 2-port, long 2xN port, Stub Tail, locatable flat loose tube cable, 500 ft
<b>FST Flexible Service Terminal</b>	
FST-T-12NHM1-A0001F	FST Flexible Service Terminal, 12 Port, 12 Full-size hardened adapters at drop side, 1 HMFOC Stub (Pinned/Jack) at feeder side, black, 1 ft long
FST-T-08NHM1-A0001F	FST Flexible Service Terminal, 8 Port, 8 Full-size hardened adapters at drop side, 1 HMFOC Stub (Pinned/Jack) at feeder side, black, 1 ft long
FST-T-04NHM1-A0001F	FST Flexible Service Terminal, 4 Port, 4 Full-size hardened adapters at drop side, 1 HMFOC Stub (Pinned/Jack) at feeder side, black, 1 ft long



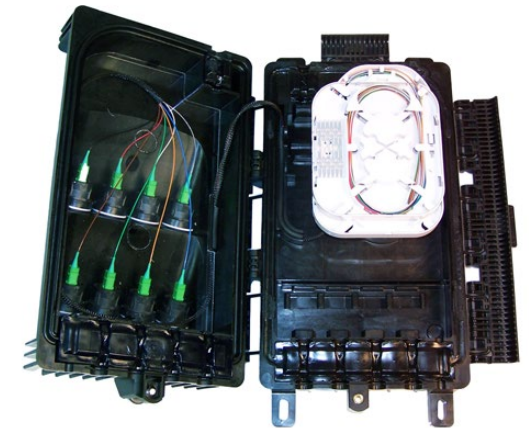
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[Fiber Access Terminals brochure >>](#)

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## OTE—most common parts

Part number	Description
<b>Mini OTE 300 Multiport Terminal</b>	
OTE-012MH-NN-EXTG03	Mini-OTE 300-Series, Optical Terminal Enclosure, 12-port full-size connector, no splitter, black, with grounding, external mounting
OTE-08MH-NN-EXTG03	Mini-OTE 300-Series, Optical Terminal Enclosure, 8-port full-size connector, no splitter, black, with grounding, external mounting
OTE-06MH-NN-EXTG03	Mini-OTE 300-Series, Optical Terminal Enclosure, 6-port full-size connector, no splitter, black, with grounding, external mounting
OTE-04MH-NN-EXTG03	Mini-OTE 300-Series, Optical Terminal Enclosure, 4-port full-size connector, no splitter, black, with grounding, external mounting
OTE-02MH-NN-EXTG03	Mini-OTE 300-Series, Optical Terminal Enclosure, 2-port full-size connector, no splitter, black, with grounding, external mounting



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[OTE portfolio brochure >>](#)

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## NOVUX™ Fiber Closures and Hardened Terminals

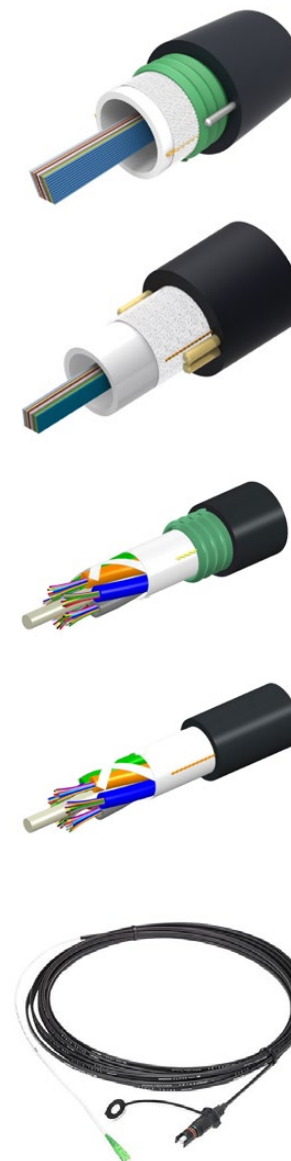
NOVUX follows in the footsteps of CommScope's fiber closures and hardened terminals which have earned the trust of networks across the globe and have defined the standards the industry to this day. The new NOVUX FTTX products are simply the evolution of their design excellence with state-of-the-art technologies. Soon to be available, the new NOVUX fiber closures and hardened terminals are designed in response to customers' needs for solutions that enable agile market response, application flexibility and efficiencies. Ask your CommScope representative for more information.



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## Cables—most common parts

Part number	Description
<b>Trunk Fiber Cable</b>	
O-xxx-CA-RB-F24NS/8W/99B	Outdoor Steel Armored, Gel-Filled Central Tube Ribbon Cable
O-xxx-CN-RB-F24NS/8W/99B	Outdoor Non-Armored, All-Dielectric, Gel-Filled Central Tube Ribbon Cable
<b>Distribution Fiber Cable</b>	
D-xxx-LA-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket/Single Armor, Gel-Free, Outdoor Stranded Loose Tube Cable (xxx = fiber count)
D-xxx-LN-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket All-Dielectric, Gel-Free, Outdoor Stranded Loose Tube Cable ( xxx = fiber count )
<b>Drop Fiber Cables Hardened</b>	
FHD-HJ1A-0500F	RealFlex® Fiber Optic Drop Cable, hardened full-size to SC/APC, dielectric flat, 500 ft (available in other lengths)
<b>FST Extension Cable to FOSC</b>	
MHD-F0DA-0200F	Hardened Multifiber Optical Connector (HMFOC) cable assembly, HMFOC jack to stub, 12-fiber, 200 feet

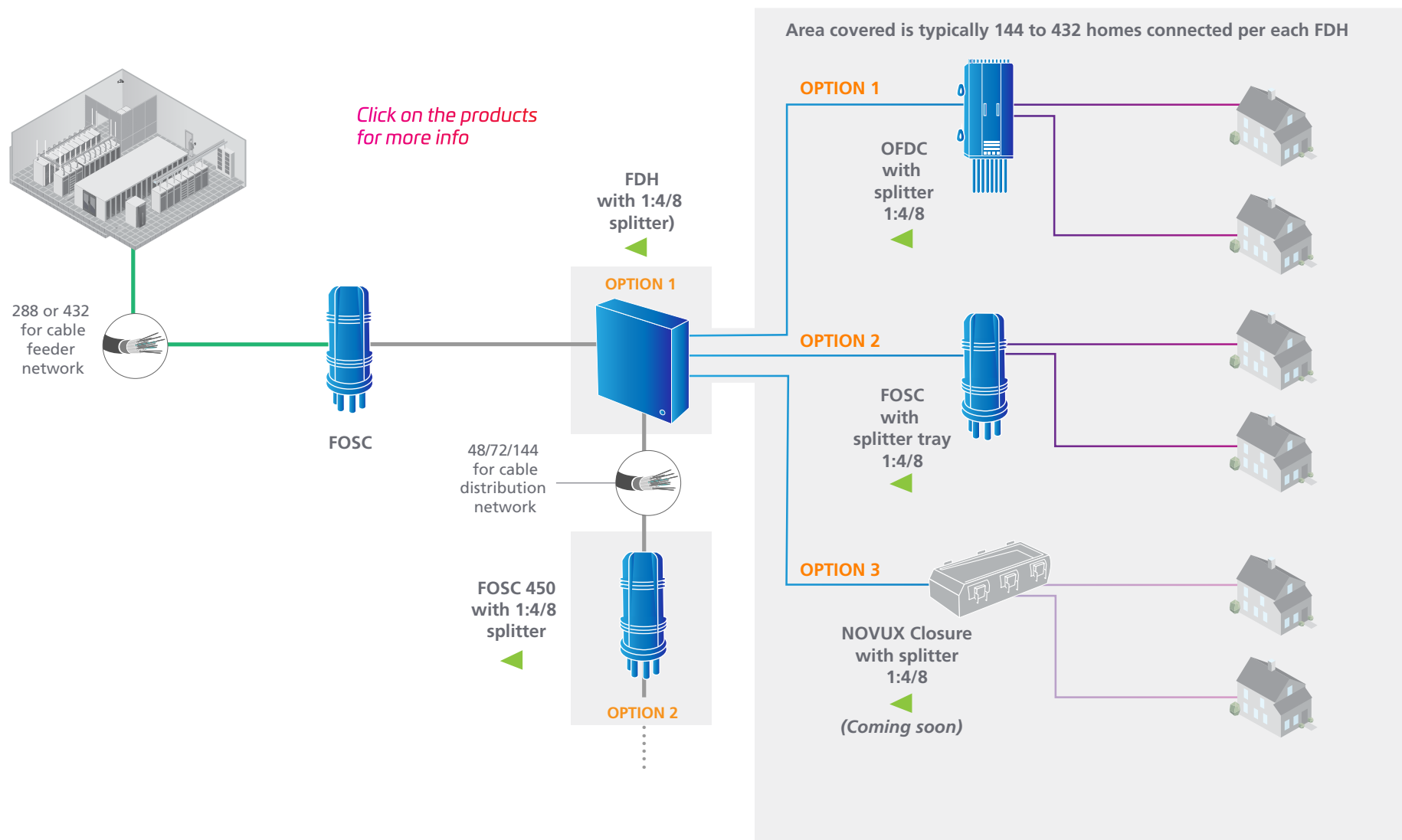


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[Outside Plant Fiber Cables >>](#)

[Fiber Drop Cables >>](#)

Inside plant	Outside plant	Customer connection
Central office	Feeder and Distribution	Drop



## FOSC 450—most common parts

Part number	Description
<b>FOSC Splice Closure</b>	
931866-000   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
058514-000   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
<b>FOSC Splitter Trays</b>	
FOSC-OC-6P11400	FOSC™ A-TRAY-24 type with one 1x4 Planar splitter with symmetrical split ratio
FOSC-OC-6P11800	FOSC™ A-TRAY-24 type with one 1x8 Planar splitter with symmetrical split ratio
FOSC-OC-6P11G00	FOSC™ A-TRAY-24 type with one 1x16 Planar splitter with symmetrical split ratio
FOSC-OC-3P11400	FOSC™ D-TRAY-72 type with one 1x4 Planar splitter with symmetrical split ratio
FOSC-OC-3P11800	FOSC™ D-TRAY-72 type with one 1x8 Planar splitter with symmetrical split ratio
FOSC-OC-3P11G00	FOSC™ D-TRAY-72 type with one 1x16 Planar splitter with symmetrical split ratio
<b>Splice Trays</b>	
898849-000   FOSC-ACC-B-TRAY-12	B-size Splice Tray, 12-fiber capacity includes two SM6 Splice Modules, B-closure holds up to 4 splice trays
915167-000   FOSC-ACC-D-TRAY-72	D-size Splice Tray, 72-fiber capacity includes six SM12 Splice Modules, D-closure holds up to 8 splice trays



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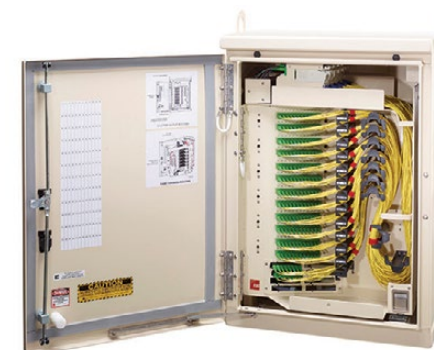


## Fiber distribution hub—most common parts

Part number	Description
<b>FDH 3000</b>	
FD3-AC072J00JABP1-B	FDH 3000 Pole Mount, 72 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FD3-AC096J00JKBP1N	FDH 3000 Pad Mount, 96 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FPS-MPP1NJ	FDH 3000 Plug-and-Play Splitter Module, 1x4, SC/APC
FPS-MPP1JJ	FDH 3000 Plug-and-Play Splitter Module, 1x8, SC/APC
FPS-MPP1CJJ	FDH 3000 Plug-and-Play Splitter Module, 1x16, SC/APC
<b>Mini-288</b>	
FD4M-288S00DDB4	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pad mount with 8" riser
FD4M-288S00DDB4P	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pole/ wall mount
FPS-CMPP2NSS	Mini-288 Splitter Module, 1x4, input LC/APC, output LC/APC
FPS-CMPP2JSS	Mini-288 Splitter Module, 1x8, input LC/APC, output LC/APC
FPS-CMPP2CSS	Mini-288 Splitter Module, 1x16, input LC/APC, output LC/APC
<b>FDH 4000</b>	
FD4S-A072J00GAB1	FDH 4000, 72 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Armored Loose Tube Fiber Cable 100 foot stub
FPS-CMPP2NJ	FDH-4000 Splitter Module, 1x4, input LC/APC, output LC/APC
FPS-CMPP2JJ	FDH-4000 Splitter Module, 1x8, input LC/APC, output LC/APC
FPS-CMPP2CJJ	FDH-4000 Splitter Module, 1x16, input LC/APC, output LC/APC

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FDH 3000



Mini 288



FDH 4000

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## OFDC—most common parts

Part number	Description
OFDC-A4-S244-14-N-24	OFDC A4 terminal box equipped with 4 adapters and pigtails SC/APC, 1:4 splitter installed
OFDC-B8G-S2/88-18-N-66	OFDC B8G terminal box equipped with 8 adapters and pigtails SC/APC, 1:8 splitter installed
OFDC-C12-S2/TT-1:8-N-96	OFDC C12 terminal box equipped with 12 adapters and pigtails SC/APC, 1:8 splitter installed



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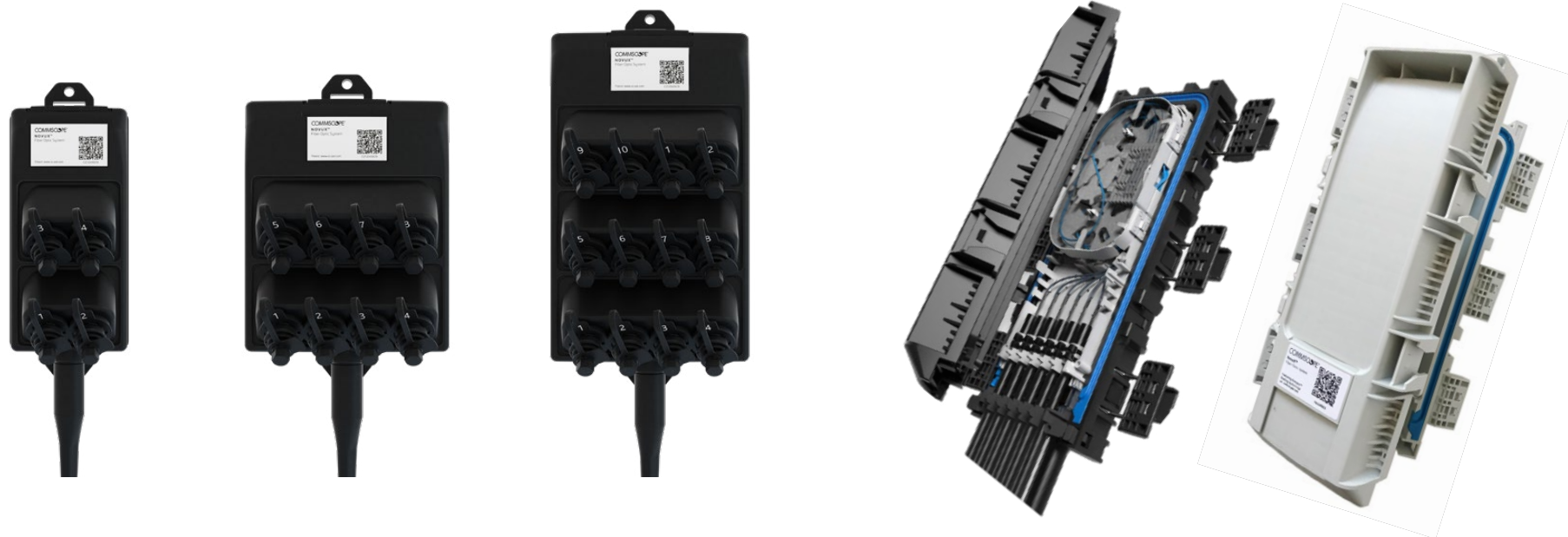
[OFDC product family >>](#)

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## NOVUX™ Fiber Closures and Hardened Terminals

NOVUX follows in the footsteps of CommScope's fiber closures and hardened terminals which have earned the trust of networks across the globe and have defined the standards the industry to this day. The new NOVUX FTTX products are simply the evolution of their design excellence with state-of-the-art technologies. Soon to be available, the new NOVUX fiber closures and hardened terminals are designed in response to customers' needs for solutions that enable agile market response, application flexibility and efficiencies. Ask your CommScope representative for more information.



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## FOSC 450 splice closure—most common parts

Part number	Description
<b>Splice closure</b>	
931866-000   FOSC450-D6-6-NT-0-D6V	FOSCTM450 D6 Fiber Optic Splice Closure, Gel Cable sealing, no pre-installed tray, 6 cable attach., six ground feedthrough lugs, with test valve
058514-000   FOSC450-B6-6-NT-0-B3V	FOSCTM450 B6 Fiber Optic Splice Closure, Gel Cable sealing, no pre-installed tray, 6 cable attach., three ground feedthrough lugs, with test valve
FOSC-ACC-D-TRAY-P-SC/APC	D-size Patch Tray, adapter retainer, and 12 SC/APC style adapters
FOSC-ACC-B-TRAY-P-16-0	B-size Patch Tray with adapter retainer holds up to 16 SC style adapters
<b>FOSC Splitter Trays</b>	
FOSC-OC-6P11400	FOSCTM A-TRAY-24 type with one 1x4 Planar splitter with symmetrical split ratio
FOSC-OC-6P11800	FOSCTM A-TRAY-24 type with one 1x8 Planar splitter with symmetrical split ratio
FOSC-OC-6P11G00	FOSCTM A-TRAY-24 type with one 1x16 Planar splitter with symmetrical split ratio
FOSC-OC-3P11400	FOSCTM D-TRAY-72 type with one 1x4 Planar splitter with symmetrical split ratio
FOSC-OC-3P11800	FOSCTM D-TRAY-72 type with one 1x8 Planar splitter with symmetrical split ratio
FOSC-OC-3P11G00	FOSCTM D-TRAY-72 type with one 1x16 Planar splitter with symmetrical split ratio
<b>Splice Trays</b>	
898849-000   FOSC-ACC-B-TRAY-12	B-size Splice Tray, 12-fiber capacity includes two SM6 Splice Modules, B-closure holds up to 4 splice trays
915167-000   FOSC-ACC-D-TRAY-72	D-size Splice Tray, 72-fiber capacity includes six SM12 Splice Modules, D-closure holds up to 8 splice trays



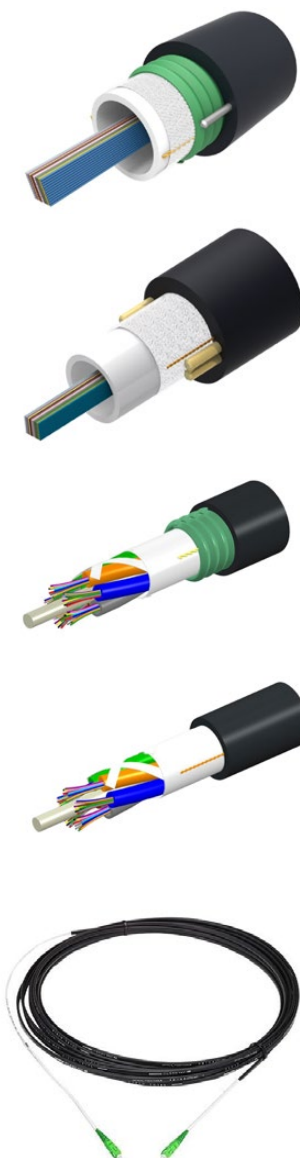
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## Cables—most common parts

Part number	Description
<b>Trunk Fiber Cable</b>	
O-xxx-CA-RB-F24NS/8W/99B	Outdoor Steel Armored, Gel-Filled Central Tube Ribbon Cable
O-xxx-CN-RB-F24NS/8W/99B	Outdoor Non-Armored, All-Dielectric, Gel-Filled Central Tube Ribbon Cable
<b>Distribution Fiber Cable</b>	
D-xxx-LA-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket/Single Armor, Gel-Free, Outdoor Stranded Loose Tube Cable (xxx = fiber count)
D-xxx-LN-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket All-Dielectric, Gel-Free, Outdoor Stranded Loose Tube Cable ( xxx = fiber count )
<b>Drop Fiber Cables Standard Termination</b>	
FHD-JJ1A-0500F	RealFlex® Fiber Optic Drop Cable, SC/APC to SC/APC, dielectric flat, 500 ft (available in other lengths)



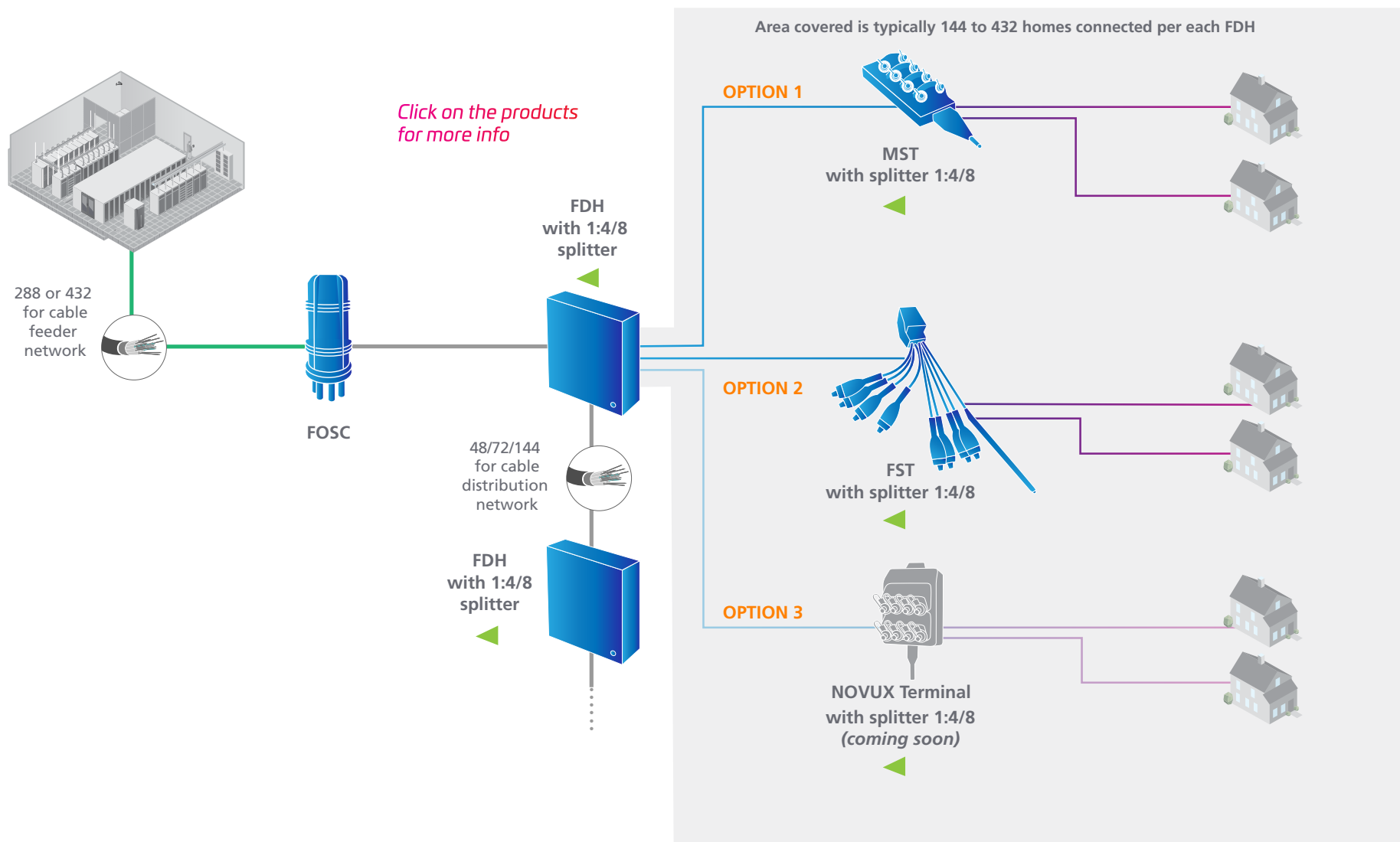
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[Fiber Drop Cables >>](#)

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Inside plant	Outside plant	Customer connection
Central office	Feeder and Distribution	Drop



## FOSC 450—most common parts

Part number	Description
931866-000   FOSC450-D6-6-NT-0-D6V	FOSCTM450 D6 Fiber Optic Splice Closure, Gel Cable sealing, no pre-installed tray, 6 cable attach., six ground feedthrough lugs, with test valve
058514-000   FOSC450-B6-6-NT-0-B3V	FOSCTM450 B6 Fiber Optic Splice Closure, Gel Cable sealing, no pre-installed tray, 6 cable attach., three ground feedthrough lugs, with test valve
<b>Splice Trays</b>	
898849-000   FOSC-ACC-B-TRAY-12	B-size Splice Tray, 12-fiber capacity includes two SM6 Splice Modules, B-closure holds up to 4 splice trays
915167-000   FOSC-ACC-D-TRAY-72	D-size Splice Tray, 72-fiber capacity includes six SM12 Splice Modules, D-closure holds up to 8 splice trays



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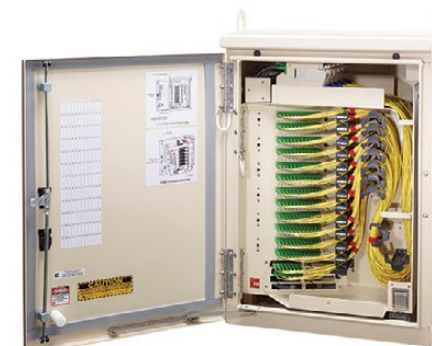
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## Fiber distribution hub—most common parts

Part number	Description
<b>FDH 3000</b>	
FD3-AC072J00JABP1-B	FDH 3000 Pole Mount, 72 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FD3-AC096J00JKBP1N	FDH 3000 Pad Mount, 96 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FPS-MPP1NJ	FDH 3000 Plug-and-Play Splitter Module, 1x4, SC/APC
FPS-MPP1JJ	FDH 3000 Plug-and-Play Splitter Module, 1x8, SC/APC
FPS-MPP1CJJ	FDH 3000 Plug-and-Play Splitter Module, 1x16, SC/APC
<b>Mini-288</b>	
FD4M-288S00DDB4	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pad mount with 8" riser
FD4M-288S00DDB4P	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pole/ wall mount
FPS-CMPP2NSS	Mini-288 Splitter Module, 1x4, input LC/APC, output LC/APC
FPS-CMPP2JSS	Mini-288 Splitter Module, 1x8, input LC/APC, output LC/APC
FPS-CMPP2CSS	Mini-288 Splitter Module, 1x16, input LC/APC, output LC/APC
<b>FDH 4000</b>	
FD4S-A072J00GAB1	FDH 4000, 72 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Armored Loose Tube Fiber Cable 100 foot stub
FPS-CMPP2NJ	FDH-4000 Splitter Module, 1x4, input LC/APC, output LC/APC
FPS-CMPP2JJ	FDH-4000 Splitter Module, 1x8, input LC/APC, output LC/APC
FPS-CMPP2CJJ	FDH-4000 Splitter Module, 1x16, input LC/APC, output LC/APC

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FDH 3000



Mini 288



FDH 4000

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## MST and FST—most common parts

Part number	Description
<b>MST Multiport Service Terminals</b>	
MST-0JRH00-B0500U	MST, Fiber Optic Multiport Service Terminal, 8-port with 1x8 splitter, Full-size hardened adapters, square 4x3 port, locatable flat loose tube cable, 500 ft
MST-0NRH00-B0500U	MST, Fiber Optic Multiport Service Terminal, 4-port, Full-size hardened adapters, square 4x3 port, 1x4 splitter, locat./tonable flat loose tube cable, 500 ft
<b>FST Flexible Service Terminal</b>	
FST-S-HH08-N00-08	FST Flexible Service Terminal, 8-Port with 1x8 splitter, 8 Full-size hardened adapters at drop side, 1 Full-size hardened adapter at the feeder side, black, 1 ft long,
FST-S-HH04-N00-04	FST Flexible Service Terminal, 4-Port with 1x4 splitter, 4 Full-size hardened adapters at drop side, 1 Full-size hardened adapter at the feeder side, black, 1 ft long



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[Fiber Access Terminals >>](#)

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## NOVUX™ Fiber Closures and Hardened Terminals

NOVUX follows in the footsteps of CommScope's fiber closures and hardened terminals which have earned the trust of networks across the globe and have defined the standards the industry to this day. The new NOVUX FTTX products are simply the evolution of their design excellence with state-of-the-art technologies. Soon to be available, the new NOVUX fiber closures and hardened terminals are designed in response to customers' needs for solutions that enable agile market response, application flexibility and efficiencies. Ask your CommScope representative for more information.



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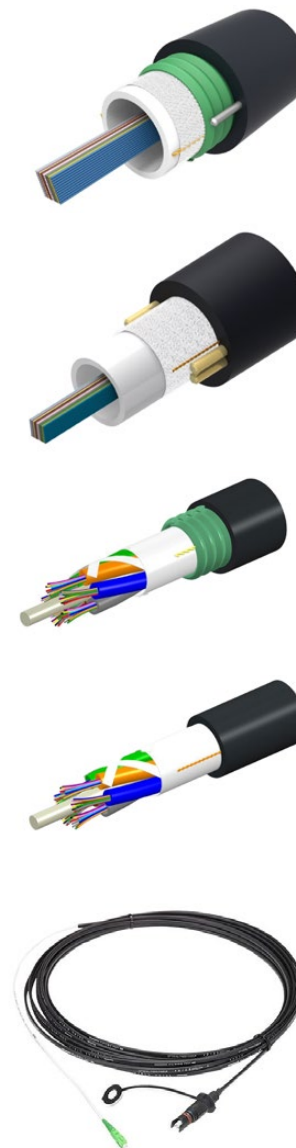
## Cables—most common parts

Part number	Description
<b>Trunk Fiber Cable</b>	
O-xxx-CA-RB-F24NS/8W/99B	Outdoor Steel Armored, Gel-Filled Central Tube Ribbon Cable
O-xxx-CN-RB-F24NS/8W/99B	Outdoor Non-Armored, All-Dielectric, Gel-Filled Central Tube Ribbon Cable
<b>Distribution Fiber Cable</b>	
D-xxx-LA-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket/Single Armor, Gel-Free, Outdoor Stranded Loose Tube Cable (xxx = fiber count)
D-xxx-LN-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket All-Dielectric, Gel-Free, Outdoor Stranded Loose Tube Cable ( xxx = fiber count )
O-072-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single All-Dielectric Cable, 2-144 fiber Arid Construction, Stranded Loose Tube
<b>Drop Fiber Cables Hardened</b>	
FHD-HJ1A-0500F	RealFlex® Fiber Optic Drop Cable, hardened full-size to SC/APC, dielectric flat, 500 ft (available in other lengths)
<b>FST Extension Cable to FOSC</b>	
FHD-H01A-0200F	RealFlex® Fiber Optic Drop Cable, hardened full-size to stub, dielectric flat, 200 ft (available in other lengths)

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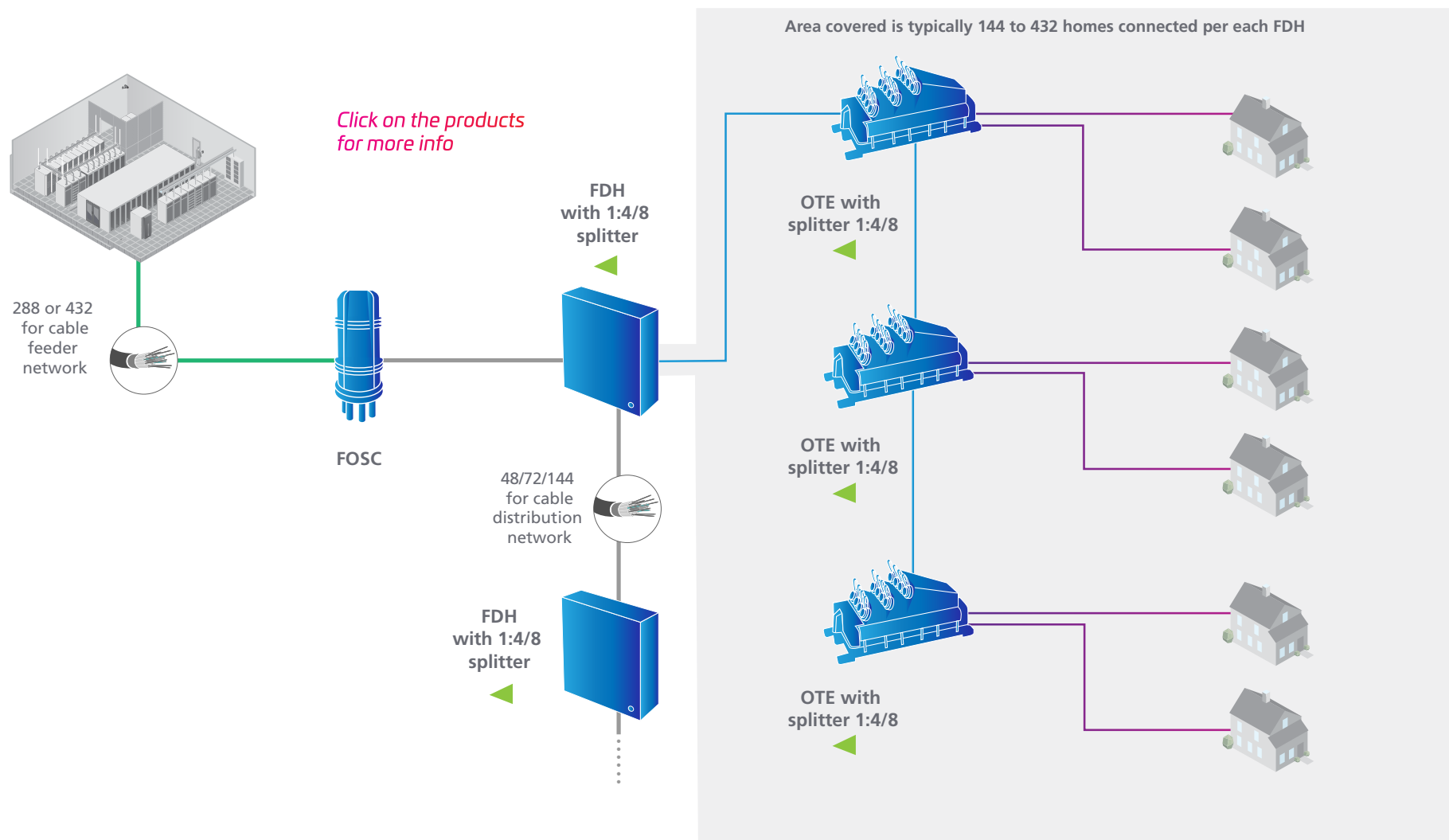
[Outside Plant Fiber Cables >>](#)

[Fiber Drop Cables >>](#)



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Inside plant	Outside plant	Customer connection
Central office	Feeder and Distribution	Drop



## FOSC 450—most common parts

Part number	Description
931866-000   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
058514-000   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
FOSC-ACC-D-TRAY-P-SC/APC	D-size Patch Tray, adapter retainer, and 12 SC/APC style adapters
FOSC-ACC-B-TRAY-P-16-0	B-size Patch Tray with adapter retainer holds up to 16 SC style adapters
<b>Splice Trays</b>	
898849-000   FOSC-ACC-B-TRAY-12	B-size Splice Tray, 12-fiber capacity includes two SM6 Splice Modules, B-closure holds up to 4 splice trays
915167-000   FOSC-ACC-D-TRAY-72	D-size Splice Tray, 72-fiber capacity includes six SM12 Splice Modules, D-closure holds up to 8 splice trays



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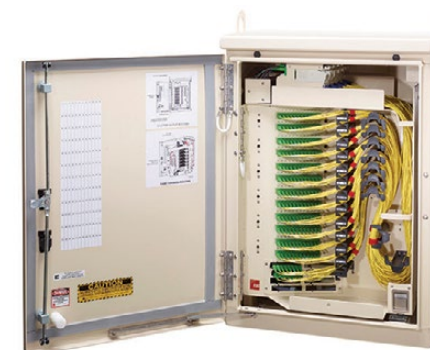
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## Fiber distribution hub—most common parts

Part number	Description
<b>FDH 3000</b>	
FD3-AC072J00JABP1-B	FDH 3000 Pole Mount, 72 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FD3-AC096J00JKBP1N	FDH 3000 Pad Mount, 96 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FPS-MPP1NJ	FDH 3000 Plug-and-Play Splitter Module, 1x4, SC/APC
FPS-MPP1JJ	FDH 3000 Plug-and-Play Splitter Module, 1x8, SC/APC
FPS-MPP1CJJ	FDH 3000 Plug-and-Play Splitter Module, 1x16, SC/APC
<b>Mini-288</b>	
FD4M-288S00DDB4	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pad mount with 8" riser
FD4M-288S00DDB4P	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pole/ wall mount
FPS-CMPP2NSS	Mini-288 Splitter Module, 1x4, input LC/APC, output LC/APC
FPS-CMPP2JSS	Mini-288 Splitter Module, 1x8, input LC/APC, output LC/APC
FPS-CMPP2CSS	Mini-288 Splitter Module, 1x16, input LC/APC, output LC/APC
<b>FDH 4000</b>	
FD4S-A072J00GAB1	FDH 4000, 72 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Armored Loose Tube Fiber Cable 100 foot stub
FPS-CMPP2NJ	FDH-4000 Splitter Module, 1x4, input LC/APC, output LC/APC
FPS-CMPP2JJ	FDH-4000 Splitter Module, 1x8, input LC/APC, output LC/APC
FPS-CMPP2CJJ	FDH-4000 Splitter Module, 1x16, input LC/APC, output LC/APC

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FDH 3000 brochure >>   Mini 288 brochure >>   FDH 4000 brochure >>



FDH 3000



Mini 288

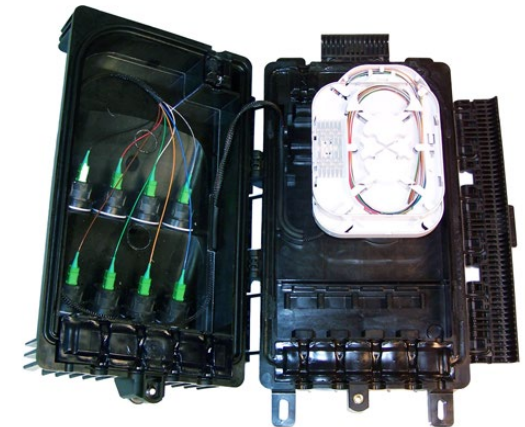


FDH 4000

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## Mini OTE 300—most common parts

Part number	Description
OTE-04MH-14-EXTG03	Mini-OTE 300, 1:4 Splitter, 2 fiber splice trays, 1 fiber storage tray, 4-port full-size hardened connector
OTE-08MH-18-EXTG03	Mini-OTE 300, 1:8 Splitter, 2 fiber splice trays, 1 fiber storage tray, 8-port full-size hardened connector



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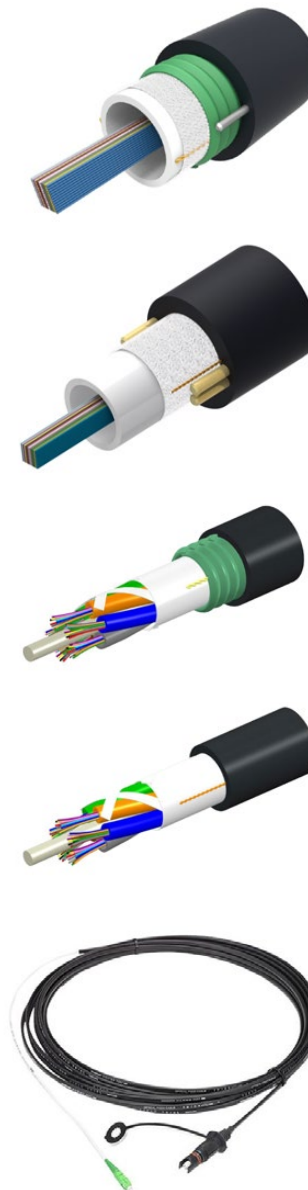
[OTE portfolio brochure >>](#)

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## Cables—most common parts

Part number	Description
<b>Trunk Fiber Cable</b>	
O-xxx-CA-RB-F24NS/8W/99B	Outdoor Steel Armored, Gel-Filled Central Tube Ribbon Cable
O-xxx-CN-RB-F24NS/8W/99B	Outdoor Non-Armored, All-Dielectric, Gel-Filled Central Tube Ribbon Cable
<b>Distribution Fiber Cable</b>	
D-xxx-LA-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket/Single Armor, Gel-Free, Outdoor Stranded Loose Tube Cable (xxx = fiber count)
D-xxx-LN-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket All-Dielectric, Gel-Free, Outdoor Stranded Loose Tube Cable (xxx = fiber count)
O-072-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single All-Dielectric Cable, 2-144 fiber Arid Construction, Stranded Loose Tube
<b>Drop Fiber Cables Hardened</b>	
FHD-HJ1A-0500F	RealFlex® Fiber Optic Drop Cable, hardened full-size to SC/APC, dielectric flat, 500 ft (available in other lengths)

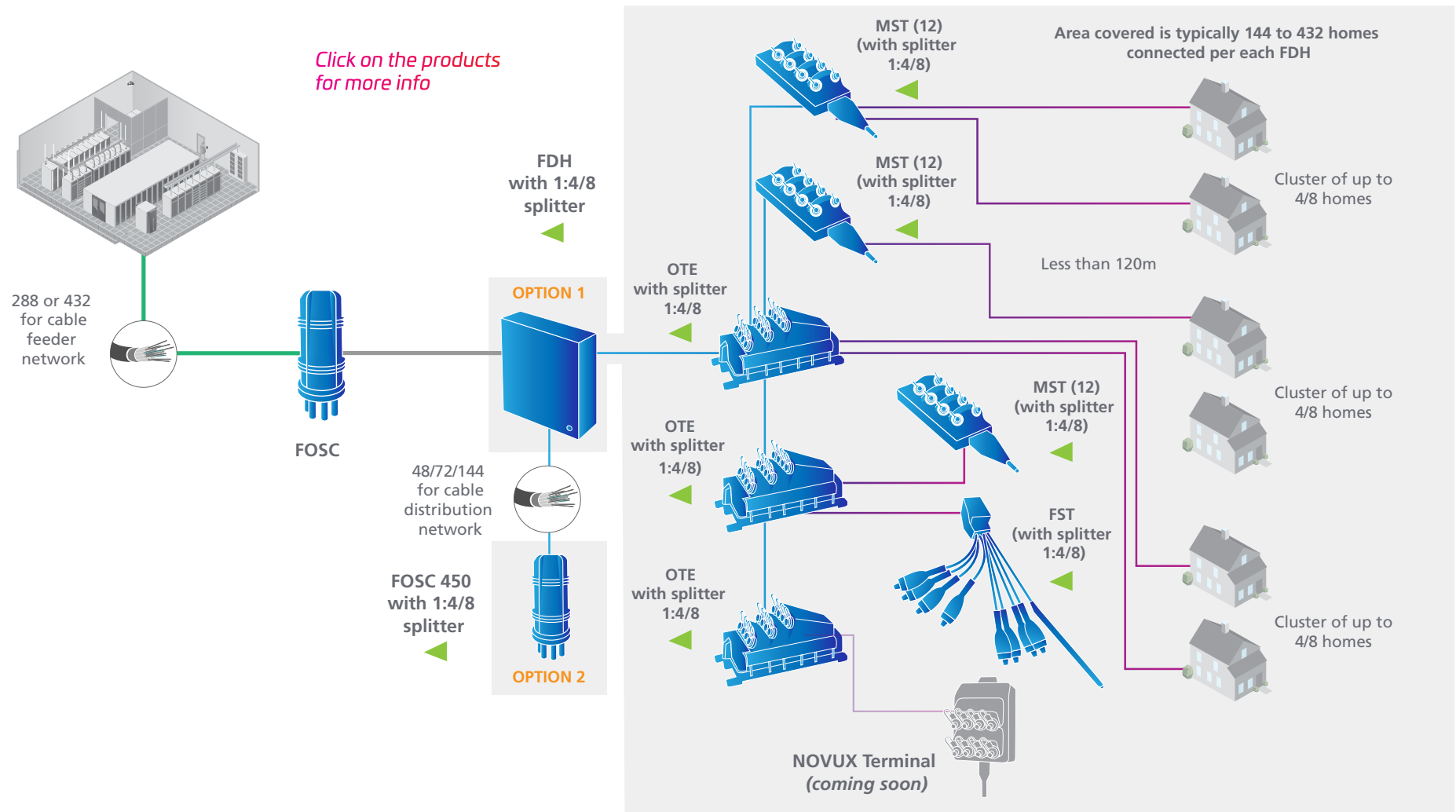


## LEARN MORE

[Outside Plant Fiber Cables >>](#)

[Fiber Drop Cables >>](#)

Inside plant	Outside plant	Customer connection
Central office	Feeder and Distribution	Drop



## FOSC 450—most common parts

Part number	Description
<b>FOSC Splice Closure</b>	
931866-000   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
058514-000   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
<b>FOSC Splitter Trays</b>	
FOSC-OC-6P11400	FOSC™ A-TRAY-24 type with one 1x4 Planar splitter with symmetrical split ratio
FOSC-OC-6P11800	FOSC™ A-TRAY-24 type with one 1x8 Planar splitter with symmetrical split ratio
FOSC-OC-6P11G00	FOSC™ A-TRAY-24 type with one 1x16 Planar splitter with symmetrical split ratio
FOSC-OC-3P11400	FOSC™ D-TRAY-72 type with one 1x4 Planar splitter with symmetrical split ratio
FOSC-OC-3P11800	FOSC™ D-TRAY-72 type with one 1x8 Planar splitter with symmetrical split ratio
FOSC-OC-3P11G00	FOSC™ D-TRAY-72 type with one 1x16 Planar splitter with symmetrical split ratio
<b>Splice Trays</b>	
898849-000   FOSC-ACC-B-TRAY-12	B-size Splice Tray, 12-fiber capacity includes two SM6 Splice Modules, B-closure holds up to 4 splice trays
915167-000   FOSC-ACC-D-TRAY-72	D-size Splice Tray, 72-fiber capacity includes six SM12 Splice Modules, D-closure holds up to 8 splice trays



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## Fiber distribution hub—most common parts

Part number	Description
<b>FDH 3000</b>	
FD3-AC072J00JABP1-B	FDH 3000 Pole Mount, 72 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FD3-AC096J00JKBP1N	FDH 3000 Pad Mount, 96 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FPS-MPP1NJ	FDH 3000 Plug-and-Play Splitter Module, 1x4, SC/APC
FPS-MPP1JJ	FDH 3000 Plug-and-Play Splitter Module, 1x8, SC/APC
FPS-MPP1CJJ	FDH 3000 Plug-and-Play Splitter Module, 1x16, SC/APC
<b>Mini-288</b>	
FD4M-288S00DDB4	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pad mount with 8" riser
FD4M-288S00DDB4P	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pole/ wall mount
FPS-CMPP2NSS	Mini-288 Splitter Module, 1x4, input LC/APC, output LC/APC
FPS-CMPP2JSS	Mini-288 Splitter Module, 1x8, input LC/APC, output LC/APC
FPS-CMPP2CSS	Mini-288 Splitter Module, 1x16, input LC/APC, output LC/APC
<b>FDH 4000</b>	
FD4S-A072J00GAB1	FDH 4000, 72 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Armored Loose Tube Fiber Cable 100 foot stub
FPS-CMPP2NJ	FDH-4000 Splitter Module, 1x4, input LC/APC, output LC/APC
FPS-CMPP2JJ	FDH-4000 Splitter Module, 1x8, input LC/APC, output LC/APC
FPS-CMPP2CJJ	FDH-4000 Splitter Module, 1x16, input LC/APC, output LC/APC

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FDH 3000 brochure >>   Mini 288 brochure >>   FDH 4000 brochure >>



FDH 3000



Mini 288



FDH 4000

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## MST and FST—most common parts

Part number	Description
<b>MST Multiport Service Terminals</b>	
MST-0JRH00-B0500U	MST, Fiber Optic Multiport Service Terminal, 8-port with 1x8 splitter, Full-size hardened adapters, square 4x3 port, locatable flat loose tube cable, 500 ft
MST-0NRH00-B0500U	MST, Fiber Optic Multiport Service Terminal, 4-port, Full-size hardened adapters, square 4x3 port, 1x4 splitter, locat./tonable flat loose tube cable, 500 ft
<b>FST Flexible Service Terminal</b>	
FST-S-HH08-N00-08	FST Flexible Service Terminal, 8-Port with 1x8 splitter, 8 Full-size hardened adapters at drop side, 1 Full-size hardened adapter at the feeder side, black, 1 ft long,
FST-S-HH04-N00-04	FST Flexible Service Terminal, 4-Port with 1x4 splitter, 4 Full-size hardened adapters at drop side, 1 Full-size hardened adapter at the feeder side, black, 1 ft long



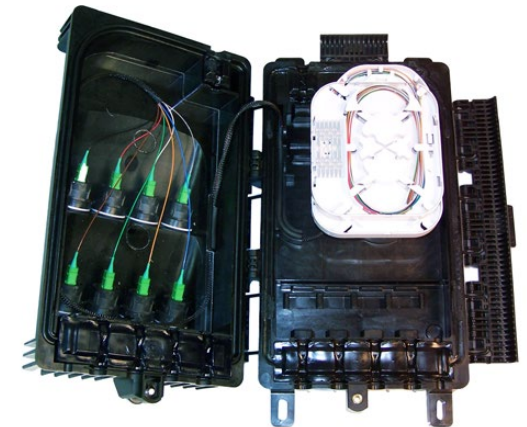
### LEARN MORE

[Fiber access terminals brochure >>](#)

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## Mini OTE 300—most common parts

Part number	Description
OTE-04MH-14-EXTG03	Mini-OTE 300, 1:4 Splitter, 2 fiber splice trays, 1 fiber storage tray, 4-port full-size hardened connector
OTE-08MH-18-EXTG03	Mini-OTE 300, 1:8 Splitter, 2 fiber splice trays, 1 fiber storage tray, 8-port full-size hardened connector



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## NOVUX™ Fiber Closures and Hardened Terminals

NOVUX follows in the footsteps of CommScope's fiber closures and hardened terminals which have earned the trust of networks across the globe and have defined the standards the industry to this day. The new NOVUX FTTX products are simply the evolution of their design excellence with state-of-the-art technologies. Soon to be available, the new NOVUX fiber closures and hardened terminals are designed in response to customers' needs for solutions that enable agile market response, application flexibility and efficiencies. Ask your CommScope representative for more information.

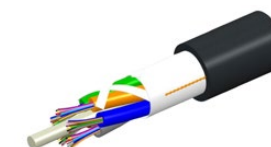
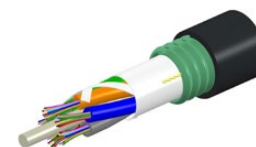
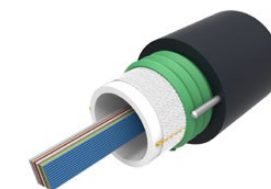


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## Cables—most common parts

Part number	Description
<b>Trunk Fiber Cable</b>	
O-xxx-CA-RB-F24NS/8W/99B	Outdoor Steel Armored, Gel-Filled Central Tube Ribbon Cable
O-xxx-CN-RB-F24NS/8W/99B	Outdoor Non-Armored, All-Dielectric, Gel-Filled Central Tube Ribbon Cable
<b>Distribution Fiber Cable</b>	
D-xxx-LA-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket/Single Armor, Gel-Free, Outdoor Stranded Loose Tube Cable (xxx = fiber count)
D-xxx-LN-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket All-Dielectric, Gel-Free, Outdoor Stranded Loose Tube Cable ( xxx = fiber count )
O-072-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single All-Dielectric Cable, 2-144 fiber Arid Construction, Stranded Loose Tube
<b>Drop Fiber Cables Hardened</b>	
FHD-HJ1A-0500F	RealFlex® Fiber Optic Drop Cable, hardened full-size to SC/APC, dielectric flat, 500 ft (available in other lengths)
<b>FST Extension Cable to FOSC</b>	
FHD-H01A-0200F	RealFlex® Fiber Optic Drop Cable, hardened full-size to stub, dielectric flat, 200 ft (available in other lengths)

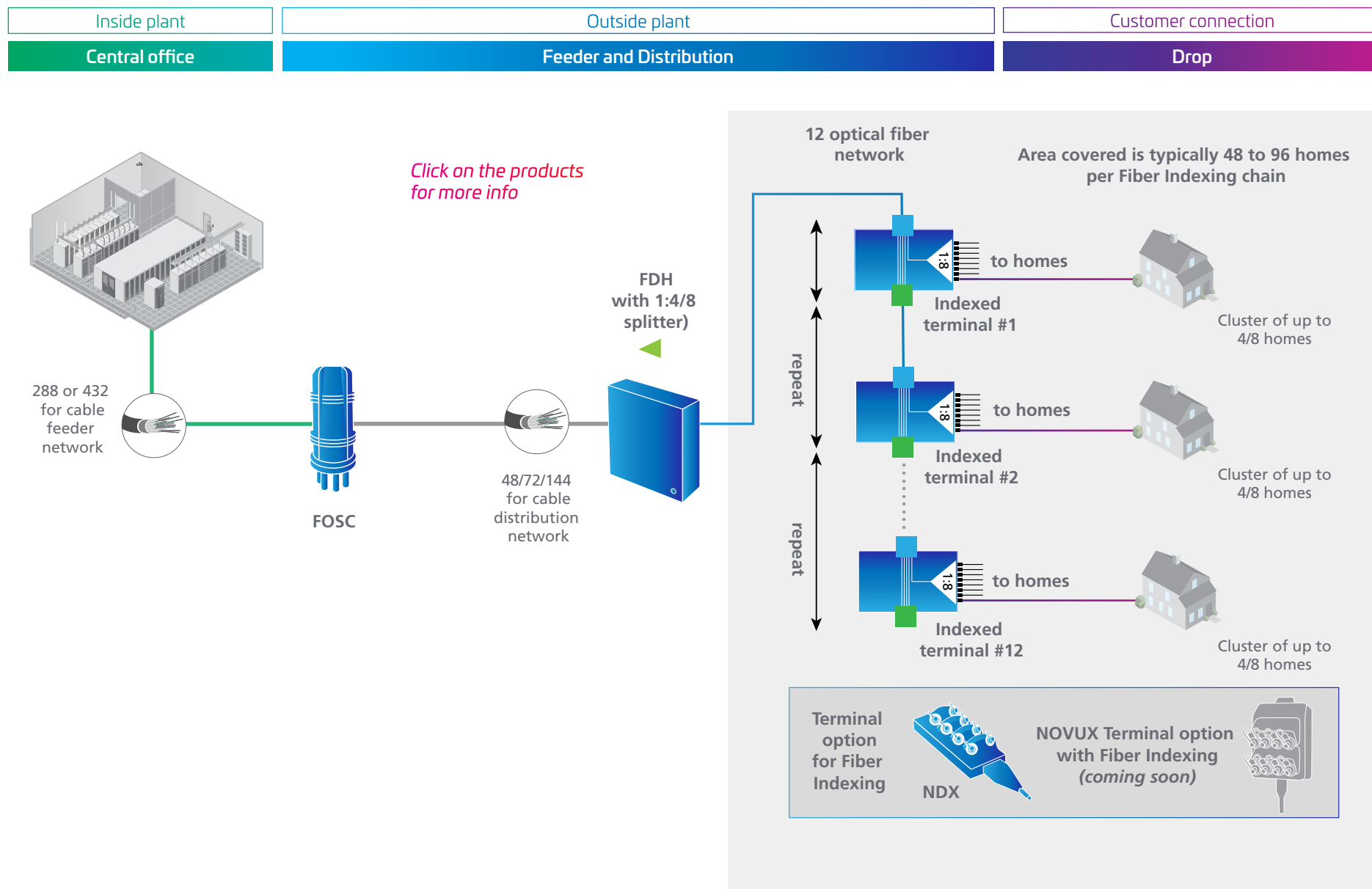


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Outside Plant Fiber Cables >>

Fiber Drop Cables >>

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## FOSC 450—most common parts

Part number	Description
931866-000   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
058514-000   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
<b>Splice Trays</b>	
898849-000   FOSC-ACC-B-TRAY-12	B-size Splice Tray, 12-fiber capacity includes two SM6 Splice Modules, B-closure holds up to 4 splice trays
915167-000   FOSC-ACC-D-TRAY-72	D-size Splice Tray, 72-fiber capacity includes six SM12 Splice Modules, D-closure holds up to 8 splice trays



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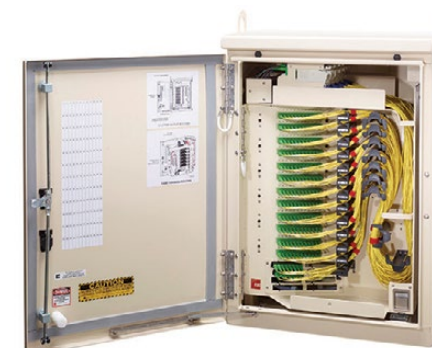
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## Fiber distribution hub—most common parts

Part number	Description
<b>FDH 3000</b>	
FD3-AC072J00JABP1-B	FDH 3000 Pole Mount, 72 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FD3-AC096J00JKBP1N	FDH 3000 Pad Mount, 96 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FPS-MPP1NJ	FDH 3000 Plug-and-Play Splitter Module, 1x4, SC/APC
FPS-MPP1JJ	FDH 3000 Plug-and-Play Splitter Module, 1x8, SC/APC
FPS-MPP1CJJ	FDH 3000 Plug-and-Play Splitter Module, 1x16, SC/APC
<b>Mini-288</b>	
FD4M-288S00DDB4	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pad mount with 8" riser
FD4M-288S00DDB4P	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pole/ wall mount
FPS-CMPP2NSS	Mini-288 Splitter Module, 1x4, input LC/APC, output LC/APC
FPS-CMPP2JSS	Mini-288 Splitter Module, 1x8, input LC/APC, output LC/APC
FPS-CMPP2CSS	Mini-288 Splitter Module, 1x16, input LC/APC, output LC/APC
<b>FDH 4000</b>	
FD4S-A072J00GAB1	FDH 4000, 72 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Armored Loose Tube Fiber Cable 100 foot stub
FPS-CMPP2NJ	FDH-4000 Splitter Module, 1x4, input LC/APC, output LC/APC
FPS-CMPP2JJ	FDH-4000 Splitter Module, 1x8, input LC/APC, output LC/APC
FPS-CMPP2CJJ	FDH-4000 Splitter Module, 1x16, input LC/APC, output LC/APC

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[FDH 3000 brochure >>](#)   [Mini 288 brochure >>](#)   [FDH 4000 brochure >>](#)



FDH 3000



Mini 288



FDH 4000

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## NDX—most common parts

Part number	Description
<b>Product number 2</b>	
NDX-06HGM0U-A0250F	Fiber Indexing Terminal, Full-size Adapter ports, 1x4 Splitter, 250 Ft Cable to HMFOC
NDX-10HGM0U-A0250F	Fiber Indexing Terminal, Full-size Adapter ports, 1x8 Splitter, 250 Ft Cable to HMFOC

**Note:** Various cable lengths are available



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## NOVUX™ Fiber Closures and Hardened Terminals

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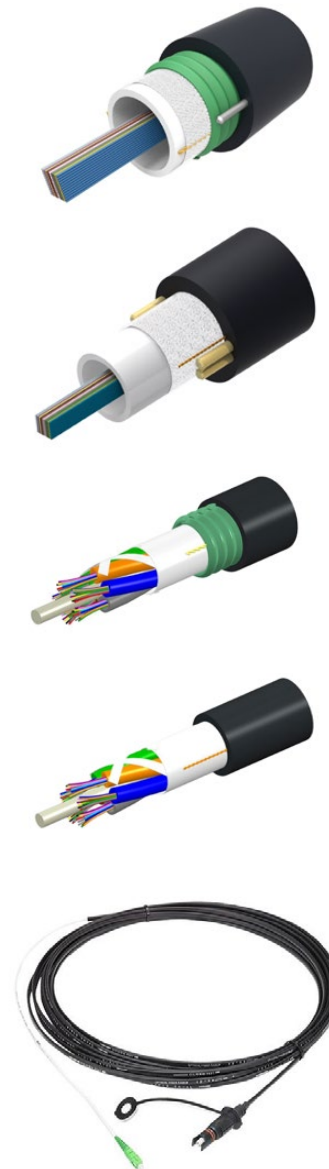
## Cables—most common parts

Part number	Description
<b>Trunk Fiber Cable</b>	
O-xxx-CA-RB-F24NS/8W/99B	Outdoor Steel Armored, Gel-Filled Central Tube Ribbon Cable
O-xxx-CN-RB-F24NS/8W/99B	Outdoor Non-Armored, All-Dielectric, Gel-Filled Central Tube Ribbon Cable
<b>Distribution Fiber Cable</b>	
D-xxx-LA-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket/Single Armor, Gel-Free, Outdoor Stranded Loose Tube Cable (xxx = fiber count)
D-xxx-LN-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket All-Dielectric, Gel-Free, Outdoor Stranded Loose Tube Cable ( xxx = fiber count )
O-072-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single All-Dielectric Cable, 2-144 fiber Arid Construction, Stranded Loose Tube
<b>Drop Fiber Cables Hardened</b>	
FHD-HJ1A-0500F	RealFlex® Fiber Optic Drop Cable, hardened full-size to SC/APC, dielectric flat, 500 ft (available in other lengths)

### LEARN MORE

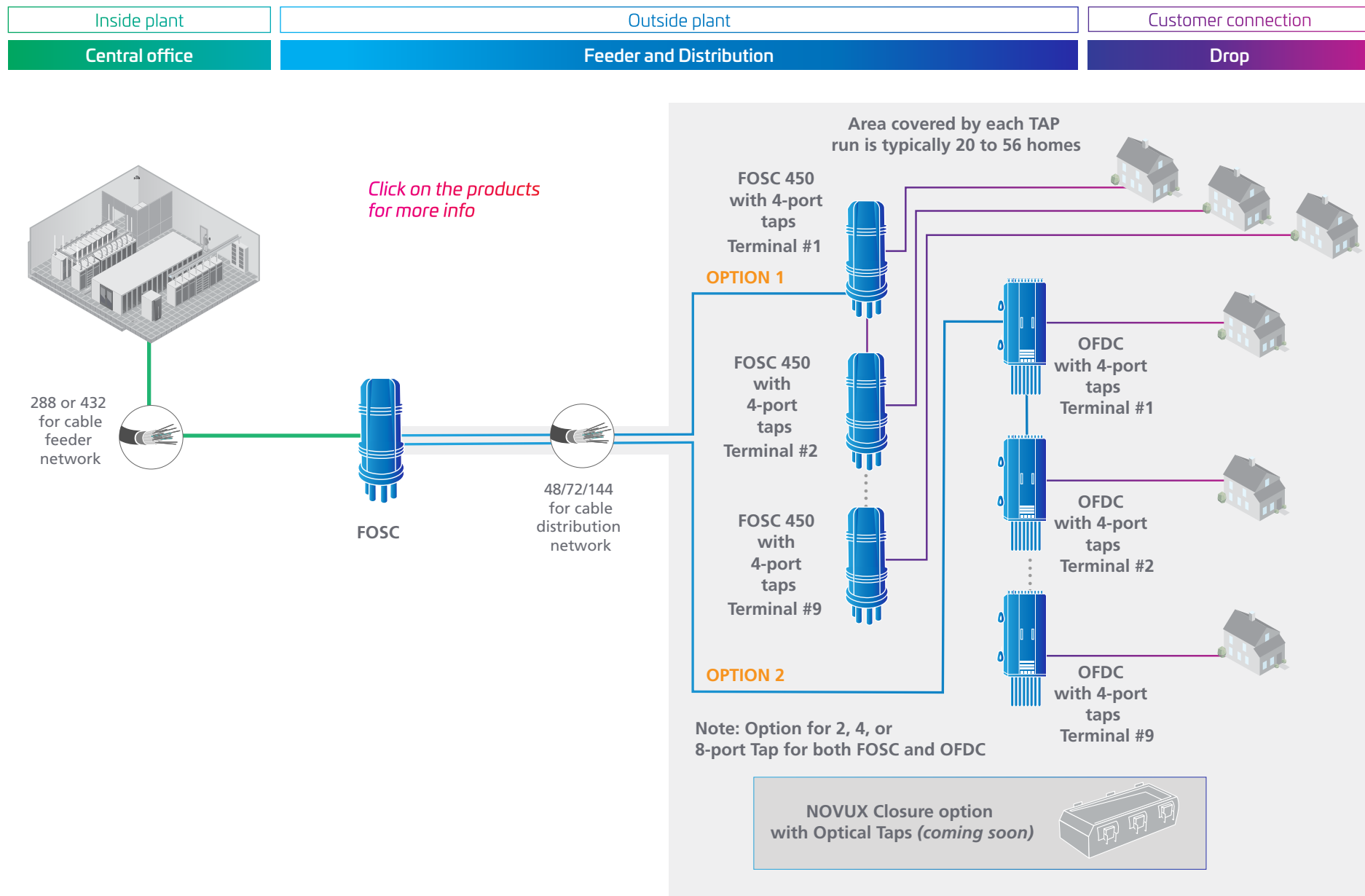
[Outside Plant Fiber Cables >>](#)

[Fiber Drop Cables >>](#)



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## FOSC 450—most common parts

Part number	Description
931866-000   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
058514-000   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
<b>Splice Trays</b>	
898849-000   FOSC-ACC-B-TRAY-12	B-size Splice Tray, 12-fiber capacity includes two SM6 Splice Modules, B-closure holds up to 4 splice trays
915167-000   FOSC-ACC-D-TRAY-72	D-size Splice Tray, 72-fiber capacity includes six SM12 Splice Modules, D-closure holds up to 8 splice trays



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## FOSC—Optical Taps Lead Products

The tap module is spliced in-line with the distribution fiber. Within the closure, the tap trays consist of two sections. One is a single-depth tray which houses the optical module, and the second section is the double-depth tray which contains the adaptors for the drop connections.

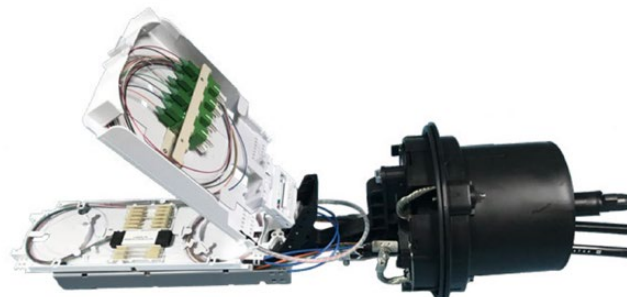
When purchased as a bundle, the 2 and 4-port models ship in the FOSC 450A closure. The 8-port model ships in the FOSC 450B closure.

The FOSC 450 accommodates a wide variety of fiber cables, including armored, all dielectric, and flat-drop style cables. Please note: for armored cable, the B closure is recommended for use with 2 and 4-port tap trays.

Part number	Description
058514-000   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
FOSC-ACC-B-TRAY-P-16-0	B-size Patch Tray with adapter retainer holds up to 16 SC style adapters
<b>Splice Trays</b>	
898849-000   FOSC-ACC-B-TRAY-12	B-size Splice Tray, 12-fiber capacity includes two SM6 Splice Modules, B-closure holds up to 4 splice trays

### LEARN MORE

FTTH Solutions with Rural Taps >>



Tap value	Part number
<b>FOSC 450 with 2-port taps</b>	
21 dB	FOSC450-A4-4-TAP-2P-21
19 dB	FOSC450-A4-4-TAP-2P-19
17 dB	FOSC450-A4-4-TAP-2P-17
15 dB	FOSC450-A4-4-TAP-2P-15
14 dB	FOSC450-A4-4-TAP-2P-14
12 dB	FOSC450-A4-4-TAP-2P-12
10 dB	FOSC450-A4-4-TAP-2P-10
8 dB	FOSC450-A4-4-TAP-2P-08
7 dB	FOSC450-A4-4-TAP-2P-07
5 dB	FOSC450-A4-4-TAP-2P-05
4 dB	FOSC450-A4-4-TAP-2P-04T (terminating tap)
<b>FOSC 450 with 4-port taps</b>	
21 dB	FOSC450-A4-4-TAP-4P-21
19 dB	FOSC450-A4-4-TAP-4P-19
17 dB	FOSC450-A4-4-TAP-4P-17
15 dB	FOSC450-A4-4-TAP-4P-15
13 dB	FOSC450-A4-4-TAP-4P-13
11 dB	FOSC450-A4-4-TAP-4P-11
10 dB	FOSC450-A4-4-TAP-4P-10
9 dB	FOSC450-A4-4-TAP-4P-09
7 dB	FOSC450-A4-4-TAP-4P-07T (terminating tap)
<b>FOSC 450 with 8-port taps</b>	
21 dB	FOSC450-B6-6-TAP-8P-21
19 dB	FOSC450-B6-6-TAP-8P-19
17 dB	FOSC450-B6-6-TAP-8P-17
15 dB	FOSC450-B6-6-TAP-8P-15
14 dB	FOSC450-B6-6-TAP-8P-14
12 dB	FOSC450-B6-6-TAP-8P-12
11 dB	FOSC450-B6-6-TAP-8P-11T (terminating tap)

## OFDC—Optical Taps Lead Products

CommScope's OFDC-C12 terminal is now available with factory integrated fiber optic taps, with SC/APC connectors for drop terminations. These terminals accept a wide range of distribution and drop cables, to meet the challenges of today's FTTH network architecture.

The OFDC-C12 includes easily accessible input and thru-put fibers for splicing. And easy entry to the terminal, without the need for special tools, is assured by CommScope's advanced gel sealing technology. OFDC terminals have an IP-68, 2-meter waterhead rating. They can be installed on pedestals, in hand holes, attached to poles, or strand-mounted. Strand, ped, and pole-mount bracket accessory kits are available for easy installation.

The OFDC-C12 Rural Tap terminal accommodates 72 fusion splices. The compact design features separate zones for looped cable-storage and for splicing and patching to drop cables. The hinged cover is designed so that just the bottom half can be lifted to access the drop cable connection area.

Terminals are available in 2, 4, and 8 port configurations. The integrated taps have color-coded pigtails that are factory loaded into the patch panel. Each OFDC Rural Tap terminal includes labels on the closure cover that identify the tap dB value and number of drops.

See the table for the 2, 4, and 8 port configurations.



Tap value	Part number
OFDC-C12 with 2-drop taps	
21 dB	OFDC-C12-S2/20-2T21-N-96
19 dB	OFDC-C12-S2/20-2T19-N-96
17 dB	OFDC-C12-S2/20-2T17-N-96
15 dB	OFDC-C12-S2/20-2T15-N-96
14 dB	OFDC-C12-S2/20-2T14-N-96
12 dB	OFDC-C12-S2/20-2T12-N-96
10 dB	OFDC-C12-S2/20-2T10-N-96
8 dB	OFDC-C12-S2/20-2T08-N-96
7 dB	OFDC-C12-S2/20-2T07-N-96
5 dB	OFDC-C12-S2/20-2T05-N-96
4 dB	OFDC-C12-S2/20-2T04T-N-96 (terminating tap)
OFDC-C12 with 4-drop taps	
21 dB	OFDC-C12-S2/40-4T21-N-96
19 dB	OFDC-C12-S2/40-4T19-N-96
17 dB	OFDC-C12-S2/40-4T17-N-96
15 dB	OFDC-C12-S2/40-4T15-N-96
13 dB	OFDC-C12-S2/40-4T13-N-96
11 dB	OFDC-C12-S2/40-4T11-N-96
10 dB	OFDC-C12-S2/40-4T10-N-96
9 dB	OFDC-C12-S2/40-4T09-N-96
7 dB	OFDC-C12-S2/40-4T07T-N-96 (terminating tap)
OFDC-C12 with 8-drop taps	
21 dB	OFDC-C12-S2/80-8T21-N-96
19 dB	OFDC-C12-S2/80-8T19-N-96
17 dB	OFDC-C12-S2/80-8T17-N-96
15 dB	OFDC-C12-S2/80-8T15-N-96
14 dB	OFDC-C12-S2/80-8T14-N-96
12 dB	OFDC-C12-S2/80-8T12-N-96
11 dB	OFDC-C12-S2/80-8T11T-N-96 (terminating tap)

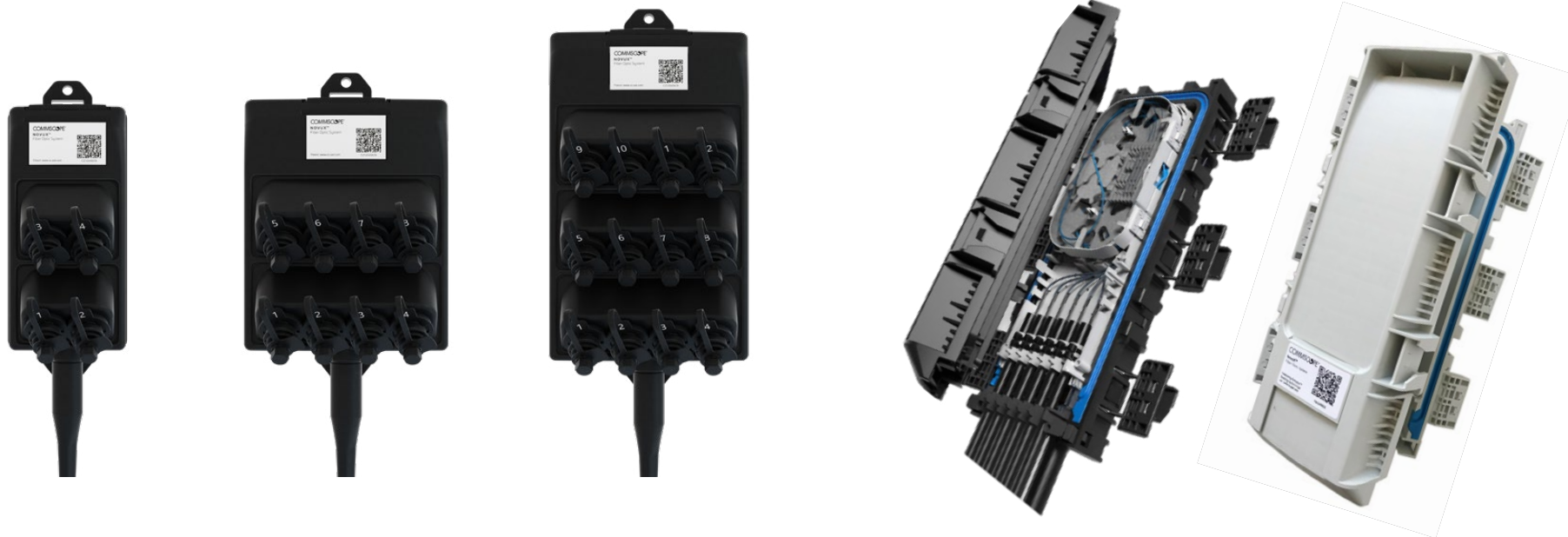
### LEARN MORE

FTTH Solutions with Rural Taps >>

*Coming soon...*

## NOVUX™ Fiber Closures and Hardened Terminals

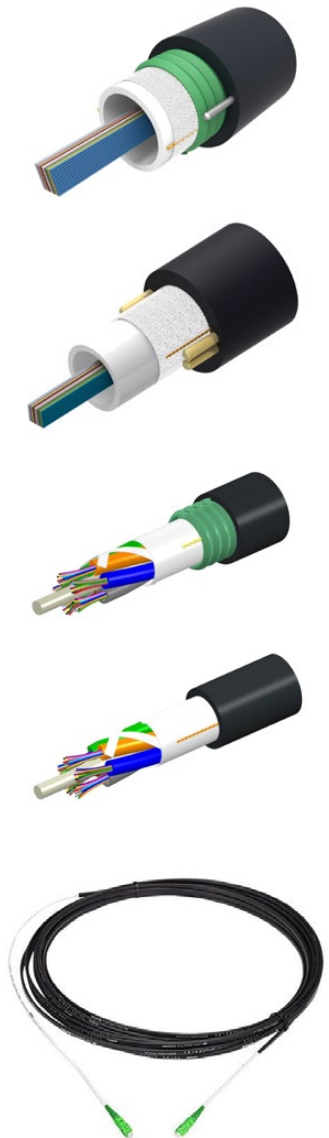
NOVUX follows in the footsteps of CommScope's fiber closures and hardened terminals which have earned the trust of networks across the globe and have defined the standards the industry to this day. The new NOVUX FTTX products are simply the evolution of their design excellence with state-of-the-art technologies. Soon to be available, the new NOVUX fiber closures and hardened terminals are designed in response to customers' needs for solutions that enable agile market response, application flexibility and efficiencies. Ask your CommScope representative for more information.



 [CONTACT COMMSCOPE](#)

## Cables—most common parts

Part number	Description
<b>Trunk Fiber Cable</b>	
O-xxx-CA-RB-F24NS/8W/99B	Outdoor Steel Armored, Gel-Filled Central Tube Ribbon Cable
O-xxx-CN-RB-F24NS/8W/99B	Outdoor Non-Armored, All-Dielectric, Gel-Filled Central Tube Ribbon Cable
<b>Distribution Fiber Cable</b>	
D-xxx-LA-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket/Single Armor, Gel-Free, Outdoor Stranded Loose Tube Cable (xxx = fiber count)
D-xxx-LN-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket All-Dielectric, Gel-Free, Outdoor Stranded Loose Tube Cable ( xxx = fiber count )
O-072-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single All-Dielectric Cable, 2-144 fiber Arid Construction, Stranded Loose Tube
<b>Drop Fiber Cables Standard Termination</b>	
FHD-JJ1A-0500F	RealFlex® Fiber Optic Drop Cable, SC/APC to SC/APC, dielectric flat, 500 ft (available in other lengths)

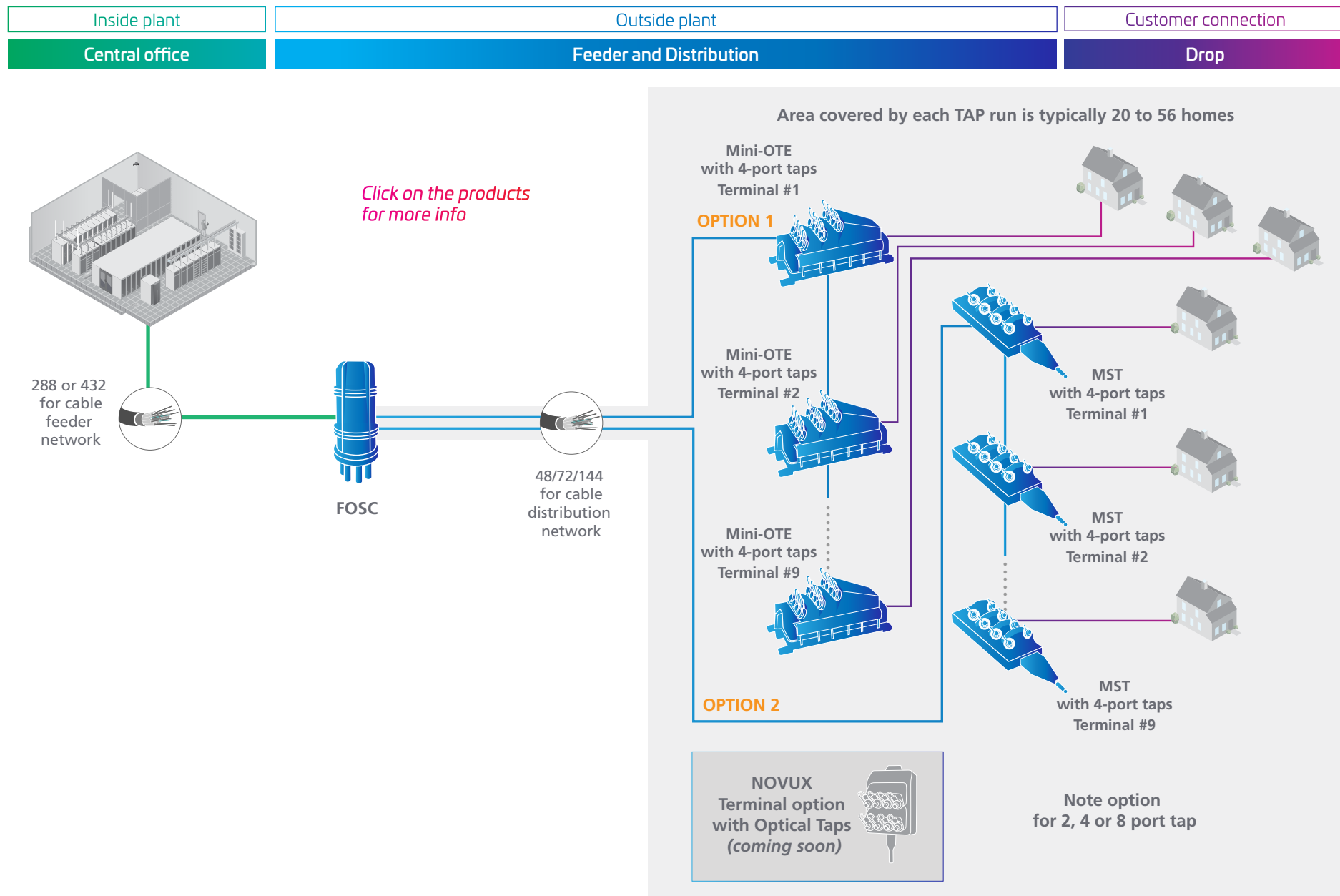


### LEARN MORE

[Outside Plant Fiber Cables >>](#)

[Fiber Drop Cables >>](#)

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## FOSC 450—most common parts

Part number	Description
931866-000   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
058514-000   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
<b>Splice Trays</b>	
898849-000   FOSC-ACC-B-TRAY-12	B-size Splice Tray, 12-fiber capacity includes two SM6 Splice Modules, B-closure holds up to 4 splice trays
915167-000   FOSC-ACC-D-TRAY-72	D-size Splice Tray, 72-fiber capacity includes six SM12 Splice Modules, D-closure holds up to 8 splice trays



### LEARN MORE

[FOSC ordering guide >>](#)

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## Mini OTE 300: Optical Taps Lead Products

CommScope's Mini-OTE 300 (Optical Terminal Enclosure,) is a unique solution for splicing, termination, and pass-through cable requirements in FTTH networks. Featuring pre-connectorized, hardened, full-size adapter ports, the Mini-OTE 300 accelerates fiber deployment for new subscriber activation and service, minimizing labor costs.

Field-friendly with accessible design features, the Mini-OTE 300 can be installed in pedestal, hand hole, pole, or strand-mount applications for fast and easy integration into the network for residential and commercial services. Strand-mount brackets and pole-mount bracket accessory kits are available. The two-section terminal is re-enterable, but shipped closed and ready for quick plug-n-play installation. The terminals include factory-integrated taps with the Tap Input, Tap Through, and Drops connected to the angled adapter ports on the cover of the Mini-OTE. The terminals have yellow plugs factory installed in the drop ports, and a ground plug, eliminating the need to open the terminal during installation.

The Mini-OTE 300 terminals with integrated Rural Taps are available in 4, 8, and 12 port configurations. The Tap Input port is color-coded green, and the Tap Through port is color-coded orange. See the right hand table for port layouts for the 2, 4, and 8 port tap models.

Mini-OTE 300 tap terminals are produced for plug-and-play convenience with connectorized drops, input, and pass through ports. If desired, the terminal can be opened and fiber installed for spliced drops and cable storage. An accessory kit is required to add cable, it's #76024-2850 OTE-M MAIN SUBASSY KIT.



### LEARN MORE

[FTTH Solutions with Rural Taps >>](#)

Tap value	Part number
Mini-OTE 300 with 2-port taps	
22 dB	OTE-12MH-18-220G03
21 dB	OTE-04MH-12-210G03
19 dB	OTE-04MH-12-190G03
17 dB	OTE-04MH-12-170G03
15 dB	OTE-04MH-12-150G03
14 dB	OTE-04MH-12-140G03
12 dB	OTE-04MH-12-120G03
10 dB	OTE-04MH-12-100G03
8 dB	OTE-04MH-12-080G03
7 dB	OTE-04MH-12-070G03
5 dB	OTE-04MH-12-050G03
4 dB	OTE-04MH-12-04TG03 (terminating tap)
Mini-OTE 300 with 4-port taps	
21 dB	OTE-08MH-14-210G03
19 dB	OTE-08MH-14-190G03
17 dB	OTE-08MH-14-170G03
15 dB	OTE-08MH-14-150G03
13 dB	OTE-08MH-14-130G03
11 dB	OTE-08MH-14-110G03
10 dB	OTE-08MH-14-100G03
9 dB	OTE-08MH-14-090G03
7 dB	OTE-08MH-14-07TG03 (terminating tap)
Mini-OTE 300 with 8-port taps	
21 dB	OTE-12MH-18-210G03
19 dB	OTE-12MH-18-190G03
17 dB	OTE-12MH-18-170G03
15 dB	OTE-12MH-18-150G03
14 dB	OTE-12MH-18-140G03
12 dB	OTE-12MH-18-120G03
11 dB	OTE-12MH-18-11TG03 (terminating tap)

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## MST: Optical Taps Lead Products

CommScope's MST (Multiport Service Terminal) provides a fully sealed solution for Rural Tap terminals utilizing the MST 4x3 housing with full-sized adapter ports. The stubless terminals are factory-integrated with an eight drop tap, and include ports for input, through, and drops. The plug-and-play design allows quick installation as well as a reliable solution for rural areas within the FTTH network. The adapters have color-coded dust caps to identify the port type, and a large color code on the housing for easy visual identification of the tap dB value in aerial installations. The terminal is IP68 rated, offering uninterrupted performance in the outside plant environment.

Tap value	Part number
MST 8-Drop Taps	
22 dB	MST-10RH00-N822T
21 dB	MST-10RH00-N821T
19 dB	MST-10RH00-N819T
17 dB	MST-10RH00-N817T
15 dB	MST-10RH00-N815T
14 dB	MST-10RH00-N814T
12 dB	MST-10RH00-N812T
11 dB	MST-09RH00-N811TT (terminating tap)



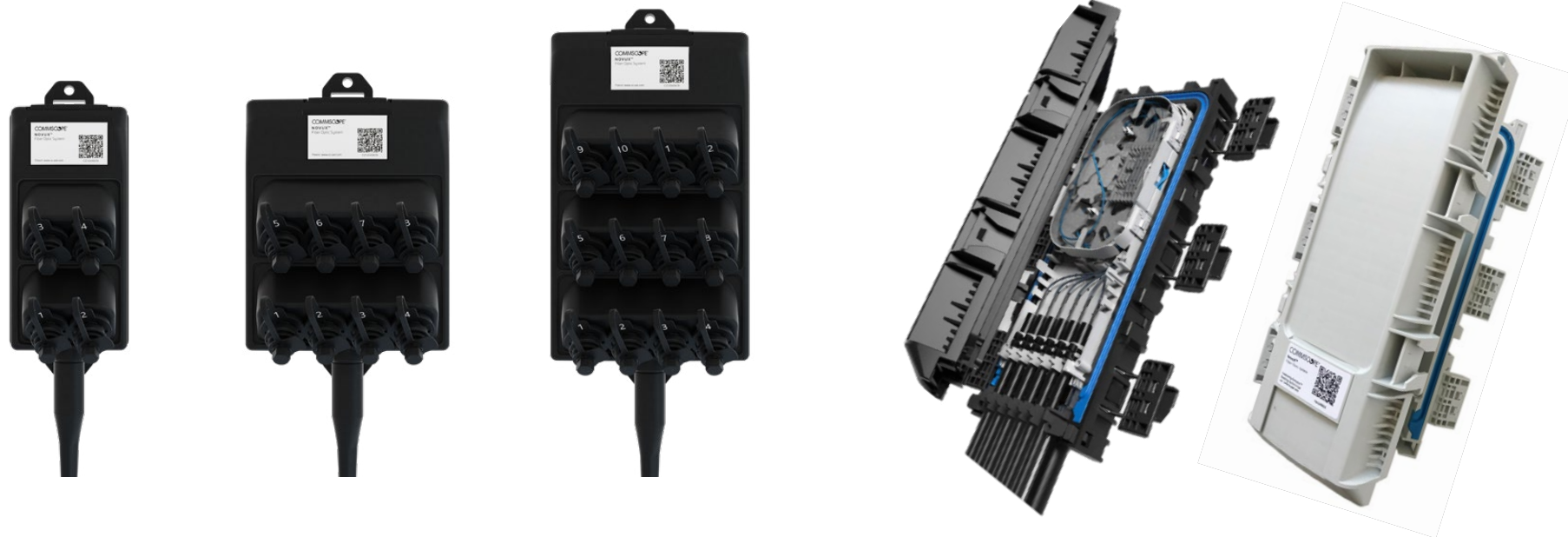
### LEARN MORE

[FTTH Solutions with Rural Taps >>](#)

*Coming soon...*

## NOVUX™ Fiber Closures and Hardened Terminals

NOVUX follows in the footsteps of CommScope's fiber closures and hardened terminals which have earned the trust of networks across the globe and have defined the standards the industry to this day. The new NOVUX FTTX products are simply the evolution of their design excellence with state-of-the-art technologies. Soon to be available, the new NOVUX fiber closures and hardened terminals are designed in response to customers' needs for solutions that enable agile market response, application flexibility and efficiencies. Ask your CommScope representative for more information.



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## Cables—most common parts

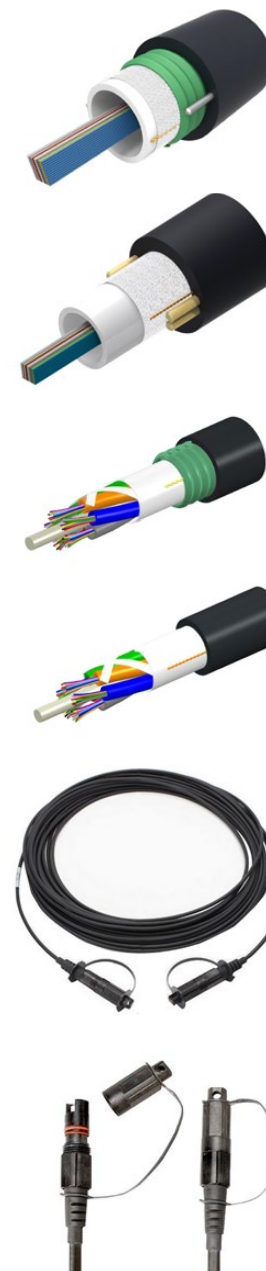
Part number	Description
<b>Trunk Fiber Cable</b>	
O-xxx-CA-RB-F24NS/8W/99B	Outdoor Steel Armored, Gel-Filled Central Tube Ribbon Cable
O-xxx-CN-RB-F24NS/8W/99B	Outdoor Non-Armored, All-Dielectric, Gel-Filled Central Tube Ribbon Cable
<b>Distribution Fiber Cable</b>	
D-xxx-LA-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket/Single Armor, Gel-Free, Outdoor Stranded Loose Tube Cable (xxx = fiber count)
D-xxx-LN-8W-F123G/AJ	LightScope ZWP® Single Alternative Jacket All-Dielectric, Gel-Free, Outdoor Stranded Loose Tube Cable (xxx = fiber count)
O-072-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single All-Dielectric Cable, 2-144 fiber Arid Construction, Stranded Loose Tube
<b>Drop Fiber Cables Hardened</b>	
FHD-HJ1A-0500F	RealFlex® Fiber Optic Drop Cable, hardened full-size to SC/APC, dielectric flat, 500 ft (available in other lengths)
<b>Terminal Tie Cables (varying lengths available)</b>	
FHHD-HH1A-0500F	RealFlex® Fiber Optic Drop Cable, hardened full-size to hardened full-size, dielectric flat, 500 ft
FHHD-HH1K-0500F	RealFlex® 5 Fiber Optic Drop Cable, hardened full-size to hardened full-size, 5 mm O.D. cable, 500 ft

Note: Various cable lengths are available

### LEARN MORE

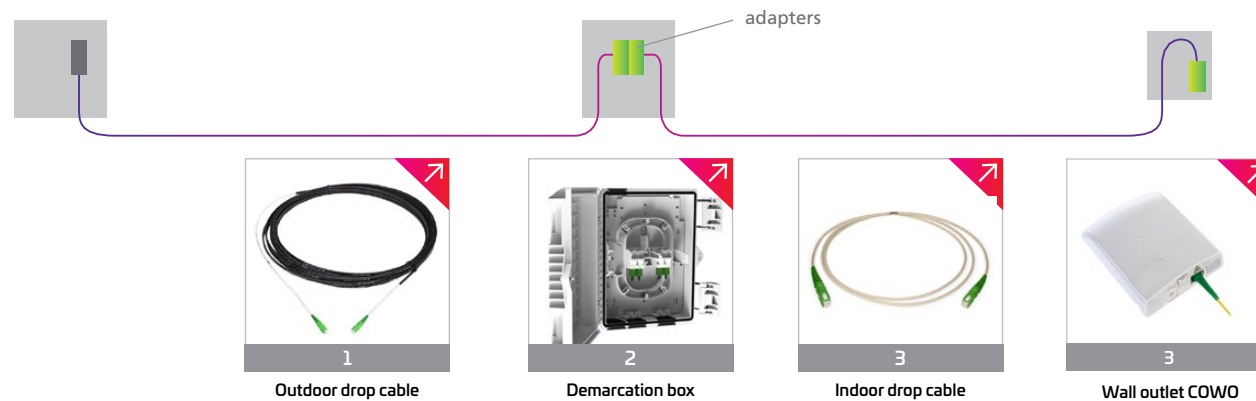
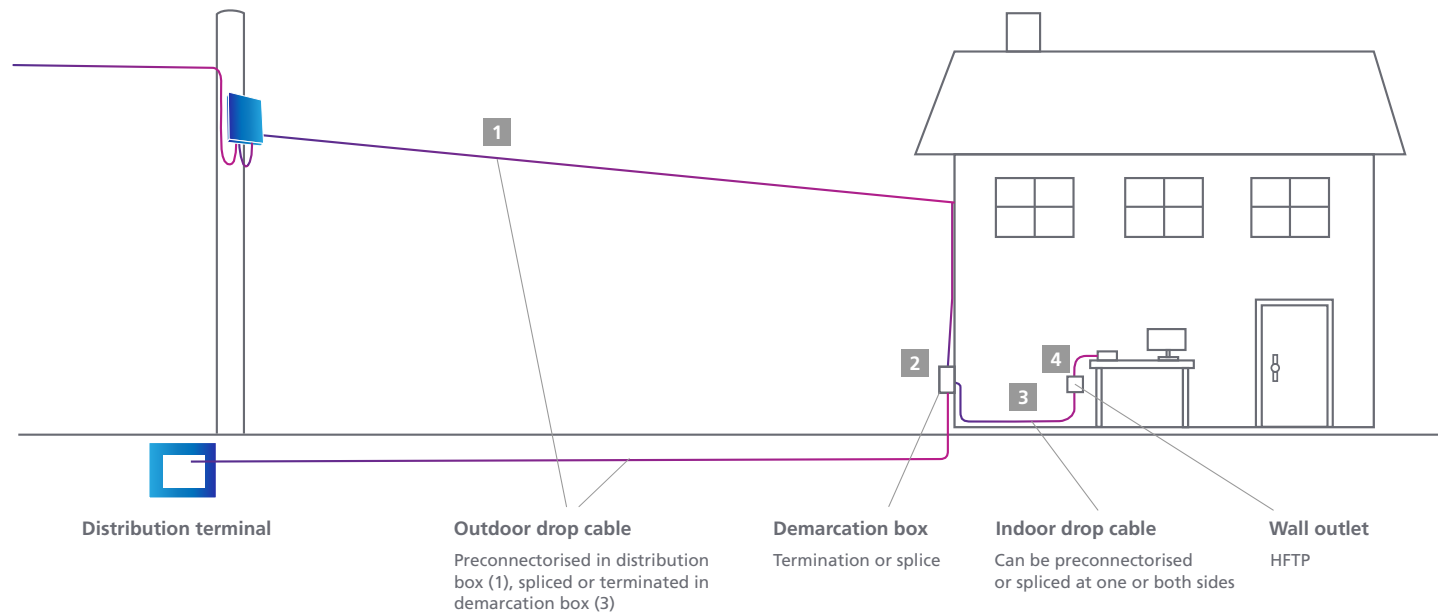
[Outside Plant Fiber Cables >>](#)

[Fiber Drop Cables >>](#)



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# SFU drop network topologies



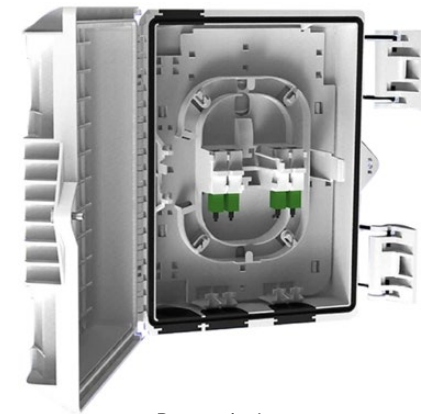
*Click on products with white arrow for more info*

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## Most common parts

Part number	Description
<b>Universal outdoor drop cable</b>	
FHD-JJ1A-0500F	RealFlex® Fiber Optic Drop Cable, SC/APC to SC/APC, dielectric flat, 500 ft (available in other lengths)
<b>Demarcation box</b>	
OWB-S-N0-S21-NN-W-L-US	OWB Fiber Optic Wall Mount Fiber Box, 1 SC/APC adapter, no splicing, no splitters, 8.26 in H x 6.84 in W x 2.83 in D



Demarcation box

### [LEARN MORE](#)

[Wall box solutions >>](#)

[Fiber Drop Cable Solutions >>](#)

 [CONTACT COMMSCOPE](#)

## Most common parts

Part number	Description
<b>Indoor drop cables</b>	
MDC-JJ1F-0010F0	RealFlex® 3 Fiber Optic Drop Cable, SC/APC to SC/APC, RBR Indoor/Outdoor, Ivory, 10 ft (available in a other lengths)
<b>HFTP wall outlet</b>	
COWO-S211	COWO Customer Wall Outlet, 1 SC/APC port, 1 pigtail, 4.53 in. H x 3.15 in W x 1 in D



Indoor drop cable



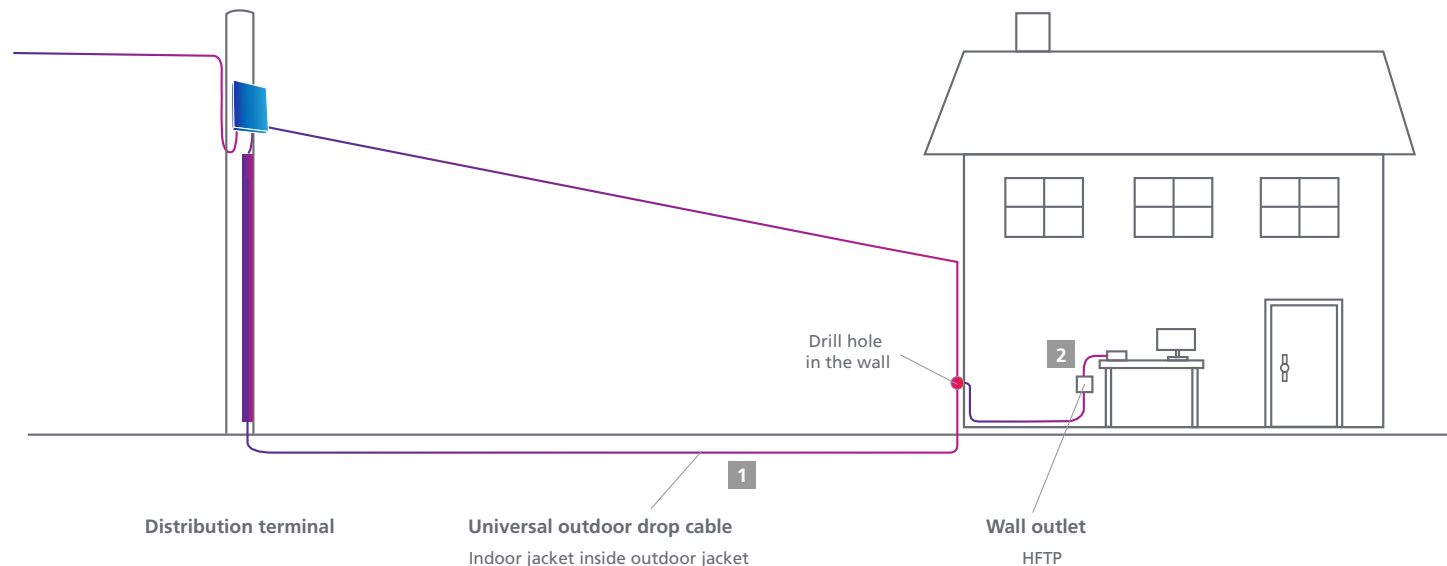
Wall outlet COWO

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[Fiber Drop Cable Solutions brochure>>](#)

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## Universal outdoor drop cable

Indoor jacket inside outdoor jacket  
 No need for transition box  
 Same cable, just stripped outdoor jacket inside home.  
 Same cable goes from distribution terminal to outlet till outlet in living room  
 Test point is in distribution terminal

Drill hole in the wall



1  
Universal outdoor drop cable



2  
Wall outlet COWO

*Click on products  
with white arrow  
for more info*

✉ [CONTACT COMMSCOPE](#)

## Most common parts

Part number	Description
<b>Universal outdoor drop cable</b>	
FHD-JJ1A-0500F	RealFlex® Fiber Optic Drop Cable, SC/APC to SC/APC, dielectric flat, 500 ft (available in other lengths)
<b>HFTP wall outlet</b>	
COWO-S211	COWO Customer Wall Outlet, 1 SC/APC port, 1 pigtail, 4.53 in. H x 3.15 in W x 1 in D



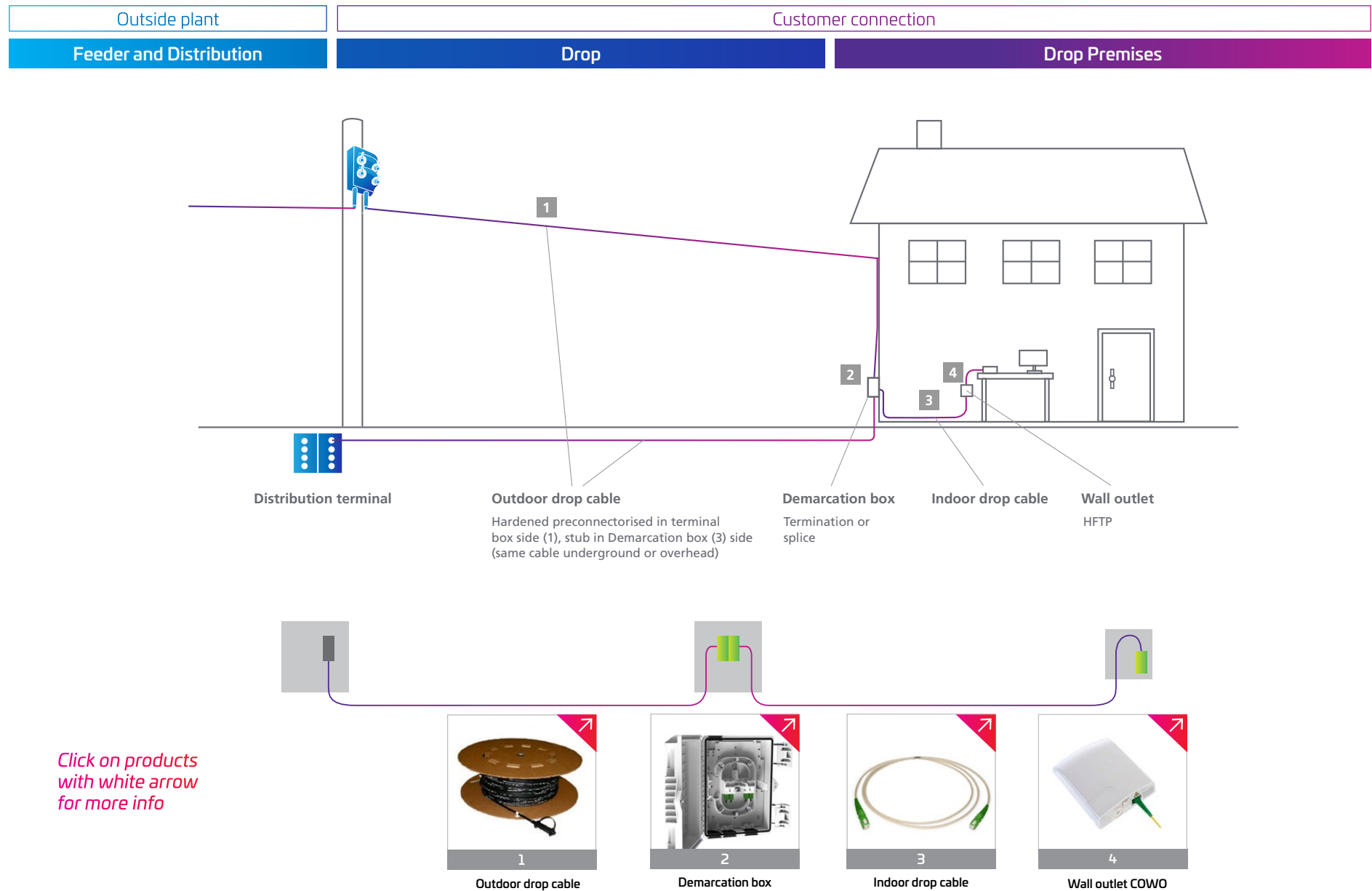
Wall outlet COWO

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[Fiber Drop Cable Solutions brochure>>](#)

[Wall box solutions >>](#)

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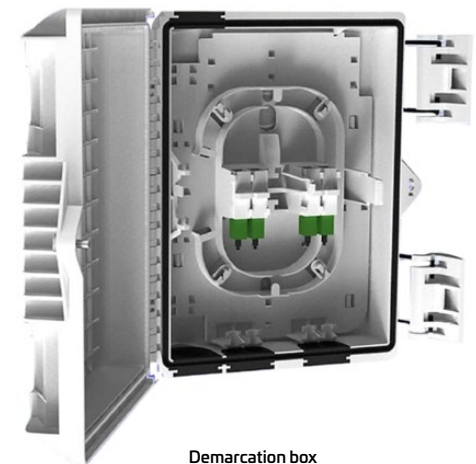


## Most common parts

Part number	Description
<b>Outdoor dielectric drop cables</b>	
FHD-HJ1A-0500F	RealFlex® Fiber Optic Drop Cable, hardened full-size to SC/APC, dielectric flat, 500 ft (available in other lengths)
<b>Demarcation Box</b>	
OWB-S-N0-S21-NN-W-L-US	OWB Fiber Optic Wall Mount Fiber Box, 1 SC/APC adapter, no splicing, no splitters, 8.26 in H x 6.84 in W x 2.83 in D



Outdoor drop cable



Demarcation box

### LEARN MORE

[Fiber Drop Cable Solutions brochure>>](#)

[Wall box solutions >>](#)

 [CONTACT COMMSCOPE](#)

## Most common parts

Part number	Description
<b>Indoor drop cables</b>	
MDC-JJ1F-0010F0	RealFlex® 3 Fiber Optic Drop Cable, SC/APC to SC/APC, RBR Indoor/Outdoor, Ivory, 10 ft (available in a other lengths)
<b>HFTP wall outlet</b>	
COWO-S211	COWO Customer Wall Outlet, 1 SC/APC port, 1 pigtail, 4.53 in. H x 3.15 in W x 1 in D



Indoor drop cable



Wall outlet COWO

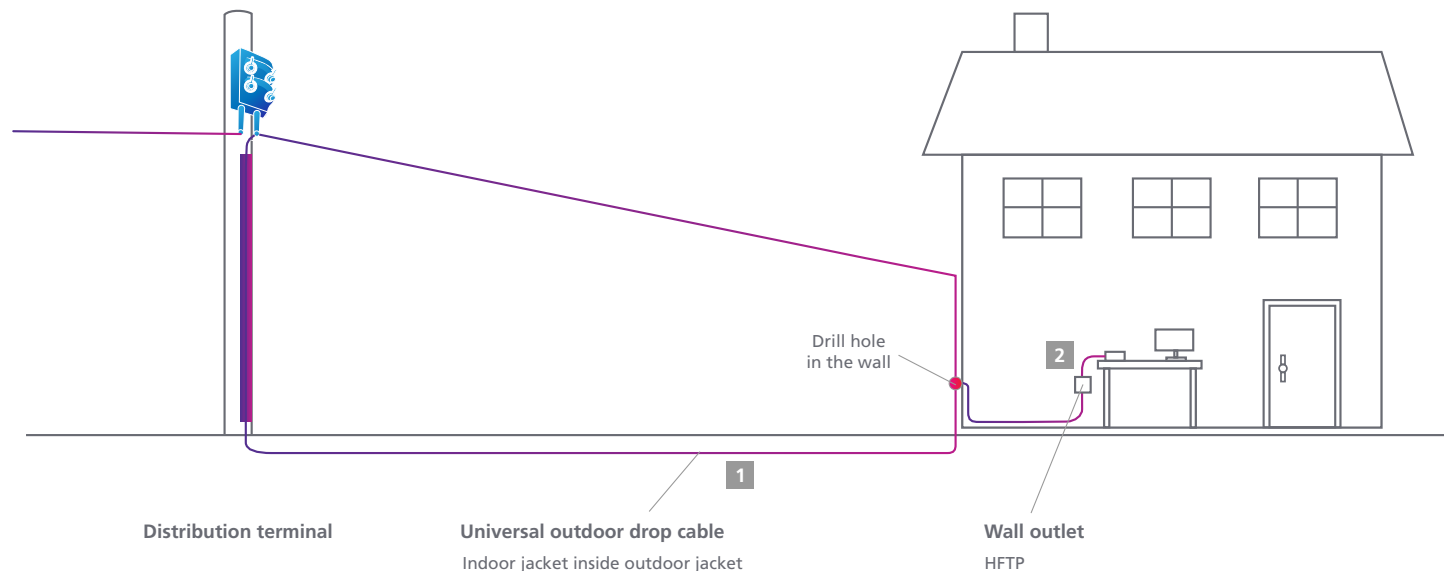
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#### Universal outdoor drop cable

Indoor jacket inside outdoor jacket  
 No need for transition box  
 Same cable, just stripped outdoor jacket inside home.  
 Same cable goes from distribution terminal to outlet till outlet in living room  
 Test point is in distribution terminal



Drill hole in the wall

1

Wall outlet  
 HFTP

Drill hole  
 in the wall

2

*Click on products  
 with white arrow  
 for more info*



1

Universal outdoor  
 drop cable



2

Wall outlet COWO

CONTACT COMMSCOPE

## Most common parts

Part number	Description
<b>Universal outdoor drop cable</b>	
FHD-HJ1A-0500F	RealFlex® Fiber Optic Drop Cable, hardened full-size to SC/APC, dielectric flat, 500 ft (available in other lengths)
<b>HFTP wall outlet</b>	
COWO-S211	COWO Customer Wall Outlet, 1 SC/APC port, 1 pigtail, 4.53 in. H x 3.15 in W x 1 in D



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[Fiber Drop Cable Solutions brochure>>](#)

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# MDU drop network topologies

Customer connection

Living unit

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for more info



Wall outlet  
COWO

3



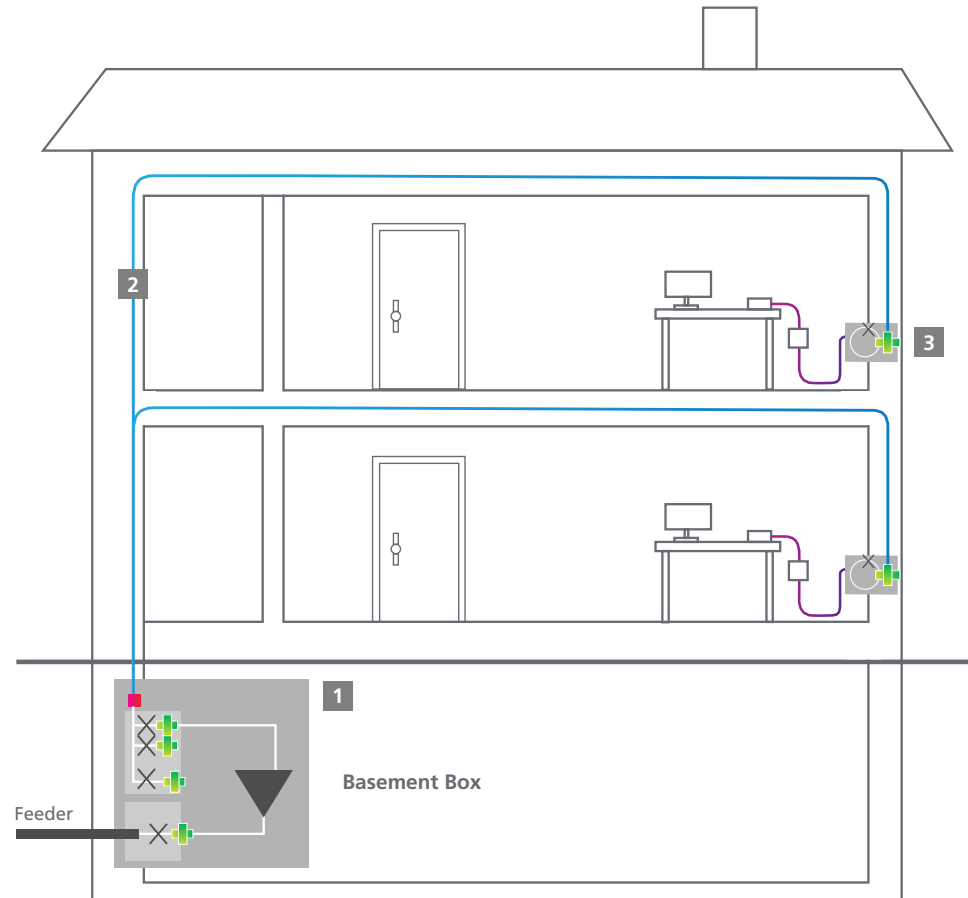
Indoor drop cable  
RealFlex 3

2



Terminal Box  
BUDI w/Splitter

1

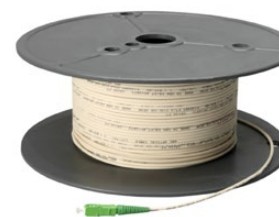


## Most common parts

Part number	Description
<b>BUDI terminal box</b>	
760245057   BUDI-M-TS2FPS32N-0000	Includes 1 feeder splice tray, 1 1x32 FPS PnP module, 90 SC/APC slide adapters, 56 installed
760245059   BUDI-M-TS2FPS32G-0300	Includes 1 1x32 FPS PnP module, 90 SC/APC slide adapters, 56 installed and 300 ft 24 fiber OFNR RB cable stub
760245060   BUDI-M-TS2FPS64N-0000	Includes 1 feeder splice tray, 1 1x64 FPS PnP module, 90 SC/APC slide adapters, 88 installed
760245062   BUDI-M-TS2FPS64G-0300	Includes 1 1x64 FPS PnP module, 90 SC/APC slide adapters, 88 installed and 300 ft 24 fiber OFNR RB cable stub
BUDI-SAJ32SA-MV	Includes 1 feeder splice tray, 1 1x32 FPS PnP module, 32 SC/APC slide adapters installed
BUDI-FS-TS232-SPLTR	Includes 1 FOSC tray, 1 1x32 splitter tray, 32 adapter/pigtail SC/APC installed
760245233   BUDI-M-SKRT-15	BUDI-M Plastic Skirt, 15" L
760245234   BUDI-M-SKRT-36	BUDI-M Plastic Skirt, 36" L
<b>Indoor drop cables</b>	
MDC-JJ1F-0002F	RealFlex® 3 Fiber Optic Drop Cable, SC/APC to SC/APC, RBR Indoor/Outdoor, Ivory, 2 ft
MDC-JJ1F-0050F0	RealFlex® 3 Fiber Optic Drop Cable, SC/APC to SC/APC, RBR Indoor/Outdoor, Ivory, 50 ft
MDC-JJ1F-0100F0	RealFlex® 3 Fiber Optic Drop Cable, SC/APC to SC/APC, RBR Indoor/Outdoor, Ivory, 100 ft
MDC-JJ1F-0125FJ	RealFlex® 3 Fiber Optic Drop Cable, SC/APC to SC/APC, RBR Indoor/Outdoor, Ivory, 125 ft
MDC-JJ1F-0500FJ	RealFlex® 3 Fiber Optic Drop Cable, SC/APC to SC/APC, RBR Indoor/Outdoor, Ivory, 500 ft
<b>Wall outlet</b>	
EF7391-000   COWO-S211	COWO Customer Wall Outlet, 1 SC/APC port, 1 pigtail
EH0702-000   COWO-S222	COWO Customer Wall Outlet, 2 SC/APC ports, 2 pigtails, 4.53 in. H x 3.15 in W x 1 in D



Terminal Box  
BUDI w/Splitter



Indoor drop cables



Wall outlet COWO

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[Wall box solutions >>](#)

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Customer connection

Living unit

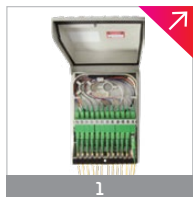
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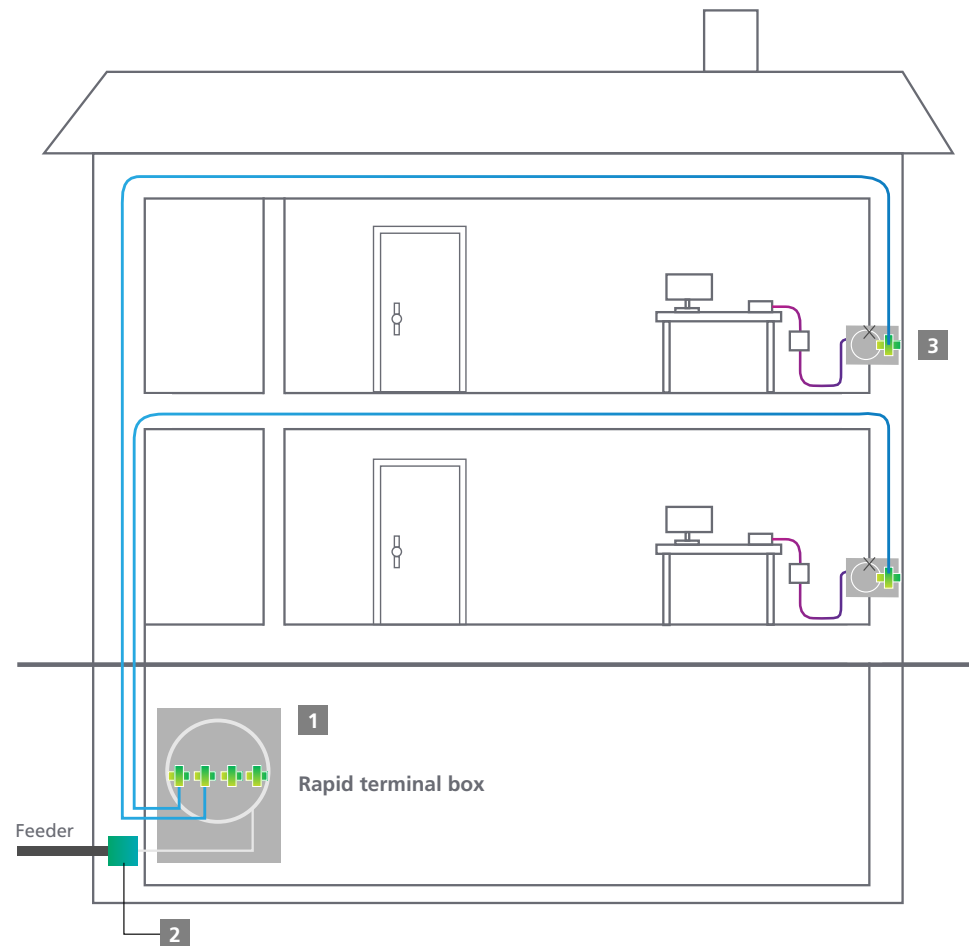
Wall outlet—  
Rapid Fiber  
Faceplate



HMFOC Extension  
Cable



Rapid  
Terminal Box



## Most common parts

Part number	Description
<b>Wall Outlet—Rapid Fiber Faceplate</b>	
260103729   RFP-130S41LW-CS	Rapid Fiber™ Faceplate, pull and click SC/APC, 30 meters cable on spool, wall mount, 2.95 in H x 4.53 in W x 2.05 in D
260103731   RFP-130S41LC-CS	Rapid Fiber™ Faceplate, pull and click SC/APC, 30 meters cable on spool, cavity mount, 2.95 in H x 4.53 in W x 0.59 in D
<b>Rapid Terminal Box</b>	
RDT-SM12J00P03090	Rapid Fiber™ Mini-RDT Distribution Terminal, 12-fiber, SC/APC, plenum cable, 100 ft, 7.87 in H x 5.51 in W x 2.36 in D
RDT-SM12J00P3059A	Rapid Fiber™ Mini-RDT Distribution Terminal, 12-fiber, SC/APC, plenum cable, 1000 ft, 7.87 in H x 5.51 in W x 2.36 in D
RDT-SM12J00D04690	Rapid Fiber™ Mini-RDT Distribution Terminal, 12-fiber, SC/APC, Indoor/outdoor cable, 153 ft, 7.87 in H x 5.51 in W x 2.36 in D
RDT-SM12J00D30590	Rapid Fiber™ Mini-RDT Distribution Terminal, 12-fiber, SC/APC, Indoor/outdoor cable, 1000 ft, 7.87 in H x 5.51 in W x 2.36 in D
<b>HMFOC Extension Cable</b>	
MHD-F0DA-0010F	Hardened Multifiber Optical Connector (HMFOC) cable assembly, HMFOC plug to stub, 12-fiber, 10 feet
MHD-F0DA-0050F	Hardened Multifiber Optical Connector (HMFOC) cable assembly, HMFOC plug to stub, 12-fiber, 50 feet
MHD-F0DA-1000F	Hardened Multifiber Optical Connector (HMFOC) cable assembly, HMFOC plug to stub, 12-fiber, 1000 feet



Rapid Terminal Box



Wall outlet—Rapid Fiber Faceplate



HMFOC Extension Cable

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[FTX Solutions, RealFlex 3 Drop Cables >>](#)

[HMFOC Feeder Cable >>](#)

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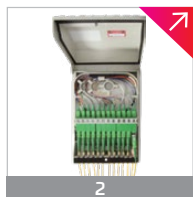
Customer connection

Living unit

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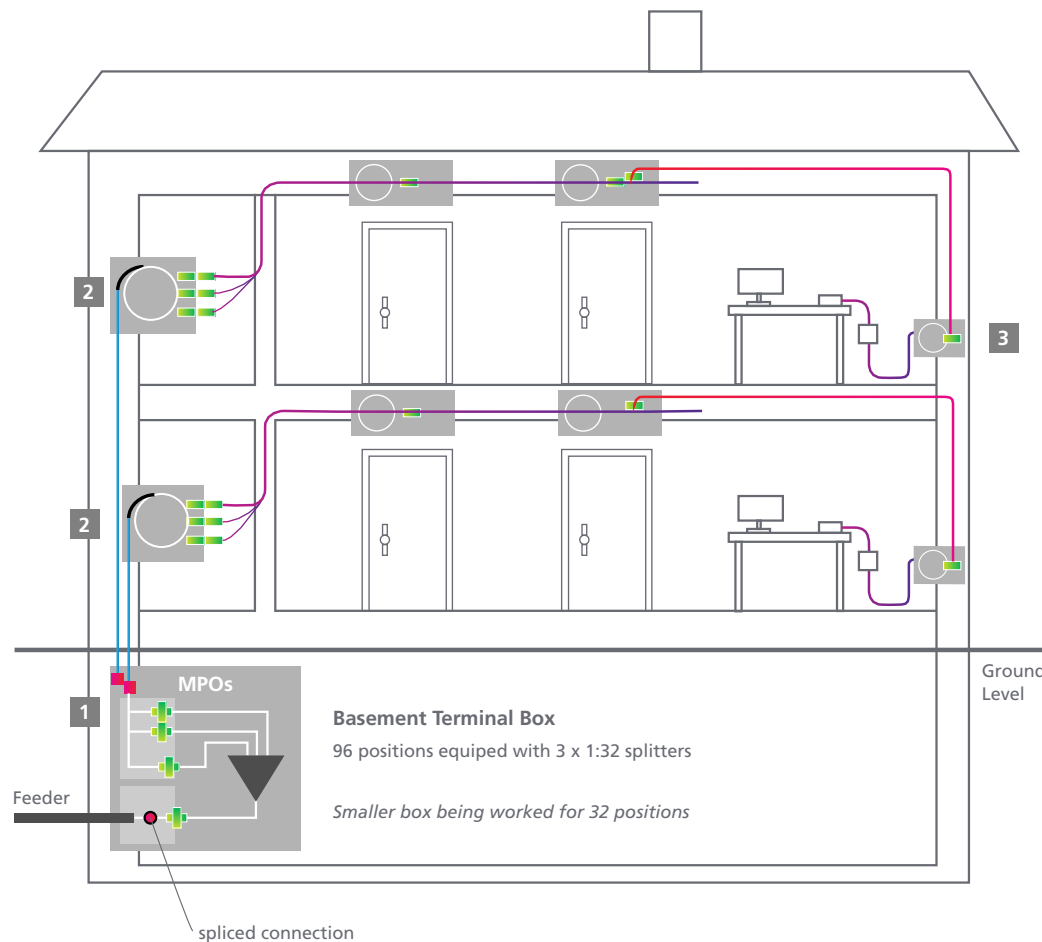
Wall outlet—  
Rapid Fiber  
Faceplate



Rapid  
Terminal Box



Terminal Box  
FDH 3000  
with splitter



Variant with use of splicing  
at basement level

Similar  
horizontal

Feeder

spliced connection

CONTACT COMMSCOPE

## Most common parts

Part number	Description
<b>Wall Outlet—Rapid Fiber Faceplate</b>	
260103729   RFP-130S41LW-CS	Rapid Fiber™ Faceplate, pull and click SC/APC, 30 meters cable on spool, wall mount, 2.95 in H x 4.53 in W x 2.05 in D
260103731   RFP-130S41LC-CS	Rapid Fiber™ Faceplate, pull and click SC/APC, 30 meters cable on spool, cavity mount, 2.95 in H x 4.53 in W x 0.59 in D
<b>Rapid Terminal Box</b>	
RDT-SM12J00P03090	Rapid Fiber™ Mini-RDT Distribution Terminal, 12-fiber, SC/APC, plenum cable, 100 ft, 7.87 in H x 5.51 in W x 2.36 in D
RDT-SM12J00P3059A	Rapid Fiber™ Mini-RDT Distribution Terminal, 12-fiber, SC/APC, plenum cable, 1000 ft, 7.87 in H x 5.51 in W x 2.36 in D
RDT-SM12J00D04690	Rapid Fiber™ Mini-RDT Distribution Terminal, 12-fiber, SC/APC, Indoor/outdoor cable, 153 ft, 7.87 in H x 5.51 in W x 2.36 in D
RDT-SM12J00D30590	Rapid Fiber™ Mini-RDT Distribution Terminal, 12-fiber, SC/APC, Indoor/outdoor cable, 1000 ft, 7.87 in H x 5.51 in W x 2.36 in Ds
<b>Terminal Box FDH3000 with splitter</b>	
FD3-AB072J1TAABP1	Enhanced Mini FDH 3000 Fiber Distribution Hub, 96-fiber shell, 72 fibers loaded, SC/APC, distribution patch, feeder stub, 1 splitter loaded
FD3-AB072J1TRABM1	Enhanced Mini FDH 3000 Fiber Distribution Hub, 96-fiber shell, 72 fibers loaded, SC/APC, distribution patch, feeder stub, 1 splitter loaded



Terminal Box FDH 3000  
with splitter



Rapid Terminal Box



Wall outlet—  
Rapid Fiber Faceplate

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# Central office configurations

Inside plant

Central office

*Click on additional products below for more info*



4RU NG4 Chassis



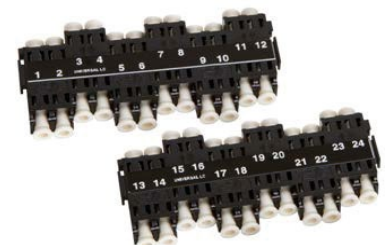
CMODs W/IFC



NG4access Distribution Frame (configured)



SC Adapter Pack



LC Adapter Pack

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## Common NG4access Optical Distribution Frame (ODF) Configuration parts

Part number	Description
NG4-FR100000	NG4access Frame 30" X 24", provides proper cable management and holds 6 NG4 Access Universal Chassis for a maximum of 1728 SC or 3456 LC connections
NG4-ACCEGDB1	NG4 Access end guard
NG4-CH100000	NG4 Access Universal Chassis holds a variety of modules, passive optical devices such as WDMs and Splitters, or SC adapter packs for 288 SC connections or LC adapter packs for 576 LC connections
NG4-CMDL0HQ031	CMOD W/IFC 144F SMSC APC - Riser Rated Stranded Cable - 31 Meters
NG4-APSC060000	NG4 Snap-in SC6 Universal Adapter Pack (12F Kit of two)
NG4-APLC120000	NG4 Snap-in LC12 Universal Adapter Pack (24F Kit of two)
FPCA-MMYP006M	Fiber Patchcord, Reduced Bend Radius Fiber, Singlemode SC/APC-SC/APC, 1.2mm Simplex, 6 Meters
FPCA-EEYP006M	Fiber Patchcord, Reduced Bend Radius Fiber, Singlemode LC/APC-LC/APC, 1.2mm Simplex, 6 Meters

### LEARN MORE

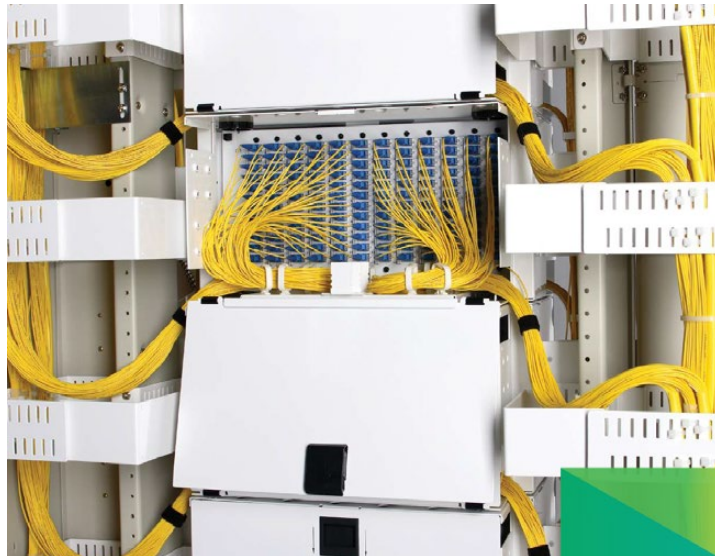
NG4 access—  
optical distribution frame platform >>

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Inside plant

Central office

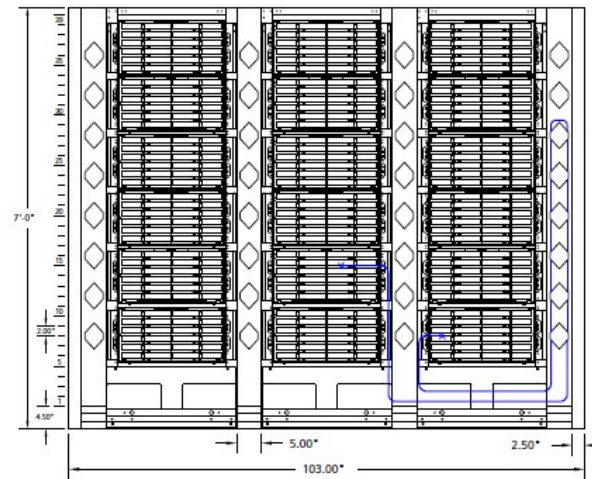
*Click on additional products below for more info*



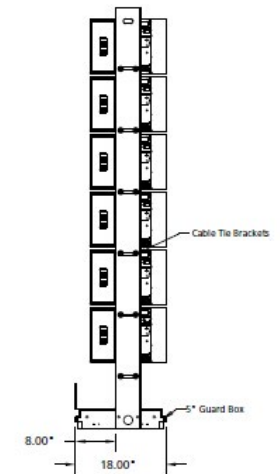
LSX Fiber Termination  
Panel (configured)



11" LSX Panel W/IFC



7' LSX Distribution Frame



11" LSX Termination Only Panel

 [CONTACT COMMSCOPE](#)

## Common LSX Distribution Frame Configuration parts

Part number	Description
RAC-7A0160	7' Network Non-Seismic Rack, (39) 2" WECO Mounting Spaces, Front 8" Deep Guard Box (7'Hx26"Wx15"D)
E-501-11115	Lower Horizontal Trough (8"Wx8"D)
RAC-0X0439	Frame Rear Guard Box (5"Dx26"W)
E-501-L139-HD	Interbay Management Panel 8" Deep Spools (7'Hx5"Wx15"D)
RAC-0X0440	Interbay Management Panel Rear Guard Box (5"Wx5"D)
RAC-7B0162	Universal End Guard Panel (7'Hx2.5"Wx15"D)
E-501-12002	Universal End Guard Extender (7'Hx2.5"Wx3"D)
LSX-LL/0WB031	288F LSX Panel SMSC APC Preterminated Stranded Indoor Riser Cable 31M
LSX-LL0000	288F LSX Adapter Only Panel SMSC APC



Inside plant

Central office



3RU FPX Termination/Splice Panel



2RU FPX Adapter Only Panel



1RU FPX Preconfigured W/IFC



2RU FPX Panel W/MPO

## Common FPX Fiber Termination Panel Configuration parts

Part number	Description
FPX-1FR000-000	1RU FPX chassis to mount 1 left and 1 right adapter packs
FPX-2FR000-000	2RU FPX chassis to mount 2 left and 2 right adapter packs
FPX-3FR000-000	3RU FPX chassis to mount 3 left and 3 right adapter packs
FPX-4FR000-000	4RU FPX chassis to mount 4 left and 4 right adapter packs
FPX-5FR000-000	5RU FPX chassis to mount 6 left and 6 right adapter packs
FPX-AF-12APL0J	FPX Adapter Only SMSC APC - Left
FPX-AF-12APR0J	FPX Adapter Only SMSC APC - Right
FPX-AF-24APL0Z	FPX Adapter Only Singlemode LC/APC 24-Adapters, left mount
FPX-AF-24APR0Z	FPX Adapter Only Singlemode LC/APC 24-Adapters, right mount
FPX-12MPLS0J	MPO cassette, left mount, 12 SMSC APC connectors
FPX-12MPRS0J	MPO cassette, right mount, 12 SMSC APC connectors
FPX-5FRA0J-1440	5RU 144F SMSC APC Termination Only Panel
FPX-5FRP0J-1442	5RU 144F SMSC APC Termination Splice with Pigtails and HS Fusion Splice Trays
FPX-5FSJ/0AAU031	5RU FPX Chassis Loaded With 144F SMSC APC 100'

### LEARN MORE

[FPX Series Fiber Panels >>](#)

 [CONTACT COMMSCOPE](#)

Inside plant

Central office



4RU Rapid Panel W/MPO



3RU Rapid Panel W/MPO



1RU Rapid Panel W/MPO



1RU Rapid Panel W/Single Fiber Breakout

✉ [CONTACT COMMSCOPE](#)

## Common Rapid Fiber Panel Configuration parts

Part number	Description
RCP-1J2PUE03100	24 Fiber Rapid, SMSC APC, Singlemode Plenum Cable, 100ft, With MPO
RCP-1J2PUJ03125	24 Fiber Rapid, SMSC APC, Singlemode Plenum Cable, 100ft with SMSC APC SFBO 25"
RCP-3J7PUE03100	72 Fiber Rapid, SMSC APC, Singlemode Plenum Cable, 100ft, With MPO
RCP-3J7PUJ03125	72 Fiber Rapid, SMSC APC, Singlemode Plenum Cable, 100ft with SMSC APC SFBO 25"
RCP-4JAPUE03100	144 Fiber Rapid, SMSC APC, Singlemode Plenum Cable, 100ft with MPO connector
RCP-4JAPUJ03125	144 Fiber Rapid, SMSC APC, Singlemode Plenum Cable, 100ft With SMSC APC SFBO 25"
RCP-1Z4PUE03100	48 Fiber Rapid, LC/APC, Singlemode Plenum Cable, 100ft, With MPO
RCP-1Z4PUZ03125	48 Fiber Rapid, LC/APC, Singlemode Plenum Cable, 100ft, With LC/APC
RCP-3ZAPUE03100	144 Fiber Rapid, LC/APC, Singlemode Plenum Cable, 100ft, With MPO
RCP-3ZAPUZ03125	144 Fiber Rapid, LC/APC, Singlemode Plenum Cable, 100ft, With LC/APC
RCP-4ZBPUE03100	288 Fiber Rapid, LC/APC, Singlemode Plenum Cable, 100ft, With MPO
RCP-4ZBPUZ03125	288 Fiber Rapid, LC/APC, Singlemode Plenum Cable, 100ft, With LC/APC

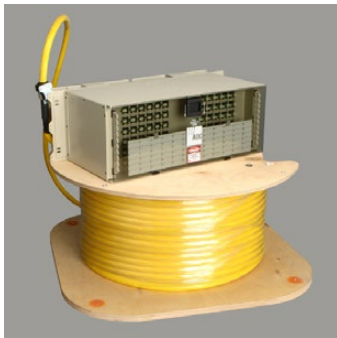
### LEARN MORE

[Rapid Fiber Panel Series >>](#)

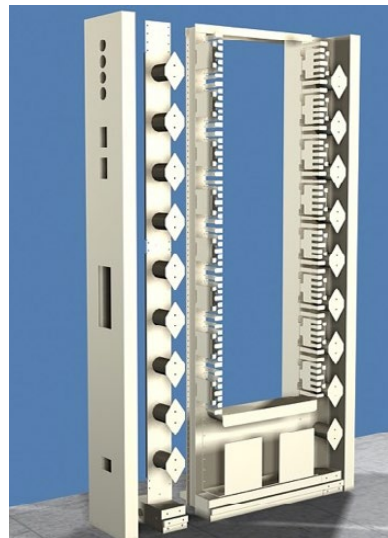
 [CONTACT COMMSCOPE](#)

Inside plant

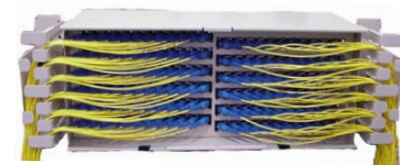
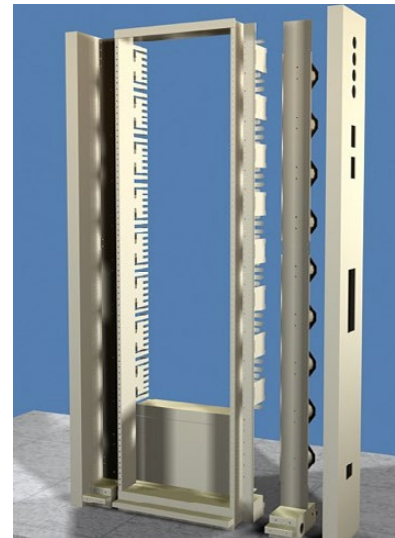
Central office



FCM Panel W/IFC



Fiber Distribution Frame  
Interbay Management Panel  
End Guard

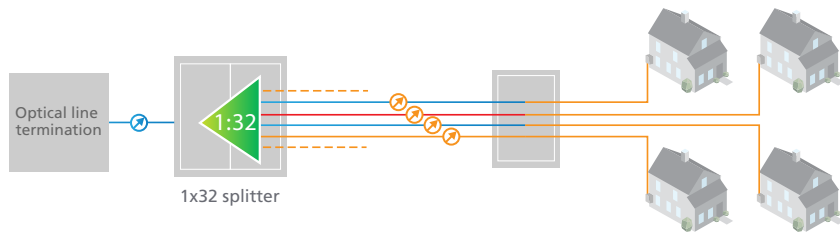


Adapter Only FCM Panel

## Common Fiber Distribution Frame (FDF) Configuration parts

Part number	Description
E-501-L91	7' Fiber Distribution Frame (Rear Load) Equipped With Vertical Managers and Lower Cable Trough
E-501-L139	7' Interbay Management Panel (IMP) With Lower Trough Filler (Between Frames)
UEGP-7PW	7' End Guard Panel - 12" Deep
FCM-ZL/OLH031	144F SMSC APC Fiber Termination Panel W/31M IFC Stub Ribbon Tail - Rear Load With Rear Cable Management and Door
FCM-ZL0000	144F SMSC APC Fiber Termination Only Panel - Rear Load With Rear Cable Management and Door
FPCFY-APSC-P-5M	Fiber Patchcord, Reduced Bend Radius Fiber, SMSC/APC-SC/APC, 1.7mm Simplex, 5 Meter

### Centralized split topology



#### Application

- The default for Telcos without demand for fast deployment or reduced construction costs.
- Very dense urban environments

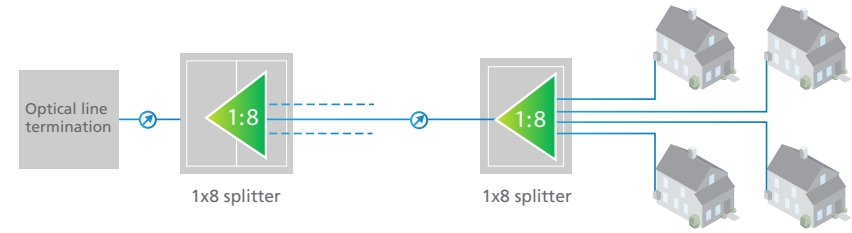
#### Pros

- Supports Deferring OLT and Splitter costs.
- Most Flexible/Scalable
- Best for Subscriber troubleshooting

#### Cons

- Higher cost than Distributed
- More fiber/higher handling costs

### Distributed split topology



#### Application

- Multiple clusters of subs
- Spliced or pre-terminated hardened connectivity

#### Pros

- Lower equipment costs
- Lower labor costs

#### Cons

- Increases troubleshooting complexity
- Less flexible
- Some deferred OLT costs



### Standard connectivity

Optical connectors/adapters and splices are inside the closures. They require re-entry every time a new customer needs to be connected.



#### Pros

- Commonly used in the industry
- Known installation practices

#### Cons

- Requires closure opening to connect customers with risk of poor re-sealing
- Cable routing depends on the installers' expertise

### Hardened connectivity

Outside adapters are used to access the inside connectors. The terminals require no opening when connecting new customers.



#### Pros

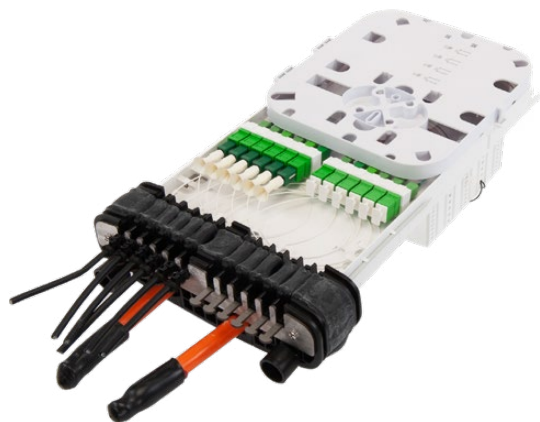
- Day 1 splicing only without disturbance of existing customers for new connections
- Sealed and protected connections above and underground
- Faster and easier drop cable connections

#### Cons

- More complex logistics for drop cables

### Standard connectivity

Optical connectors/adapters and splices are inside the closures. They require re-entry every time a new customer needs to be connected.



#### Pros

- Commonly used in the industry
- Known installation practices

#### Cons

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### Hardened connectivity

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#### Pros

- Day 1 splicing only without disturbance of existing customers for new connections
- Sealed and protected connections above and underground
- Faster and easier drop cable connections

#### Cons

- More complex logistics for drop cables

### Traditional MDU topology

Uses multi-fiber riser cable that is spliced and connectorised in a terminal box located in the basement. This cable is opened at every floor and spliced/connectorised inside a distribution floor box.



#### Pros

- Used widely in the industry
- Lower CAPEX

#### Cons

- Requires splicing and cable preparation on every floor level
- Higher risk of fiber cable failures and disconnections

### Rapid MDU topology

Rapid Reel technology and provides a pre-cabled and pre-connectorized cabling alternative that speeds installation.

Each floor Rapid Distribution Terminal has its own small diameter cable running to the basement terminal box.



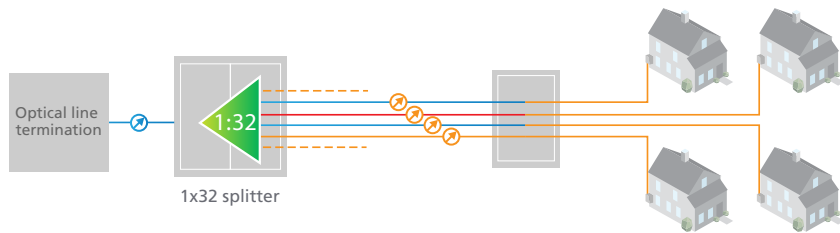
#### Pros

- Eliminates the need to pre-measure for and order fixed-length intra facility cable
- Reduces installation time by 60%
- Solves slack storage problem because any unused cable is stored on the internal reel

#### Cons

- Higher CAPEX
- Not effective in buildings where ducts are too narrow or crowded

### Centralized split topology



#### Application

- The default for Telcos without demand for fast deployment or reduced construction costs.
- Very dense urban environments

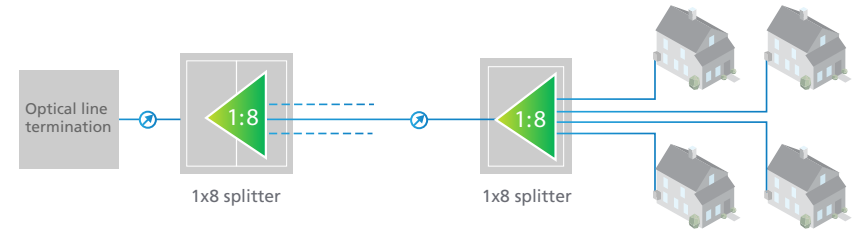
#### Pros

- Supports Deferring OLT and Splitter costs.
- Most Flexible/Scalable
- Best for Subscriber troubleshooting

#### Cons

- Higher cost than Distributed
- More fiber/higher handling costs

### Distributed split topology



#### Application

- Multiple clusters of subs
- Spliced or pre-terminated hardened connectivity

#### Pros

- Lower equipment costs
- Lower labor costs

#### Cons

- Increases troubleshooting complexity
- Less flexible
- Some deferred OLT costs

### Standard connectivity

Optical connectors/adapters and splices are inside the closures. They require re-entry every time a new customer needs to be connected.



#### Pros

- Commonly used in the industry
- Known installation practices

#### Cons

- Requires closure opening to connect customers with risk of poor re-sealing
- Cable routing depends on the installers' expertise

### Hardened connectivity

Outside adapters are used to access the inside connectors. The terminals require no opening when connecting new customers.



#### Pros

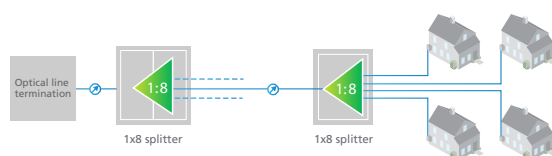
- Day 1 splicing only without disturbance of existing customers for new connections
- Sealed and protected connections above and underground
- Faster and easier drop cable connections

#### Cons

- More complex logistics for drop cables

## Distributed: Cascaded, Fiber Indexing, Optical Tap

### Distributed: Cascaded



#### Application

- Multiple clusters of subs
- Pre-terminated and hardened pre-connectorized cabling

#### Pros

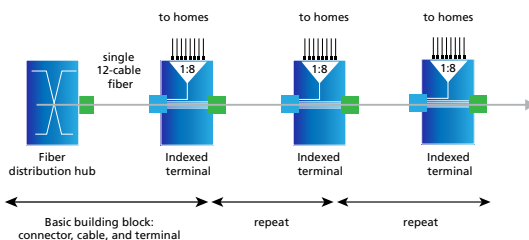
- Lower equipment costs
- Lower labor costs

#### Cons

- Increases troubleshooting complexity
- Less flexible
- Some deferred OLT costs

[Learn more >>](#)

### Distributed: Fiber indexing



#### Application

- Multiple clusters of subs
- Pre-terminated and hardened pre-connectorized cabling

#### Pros

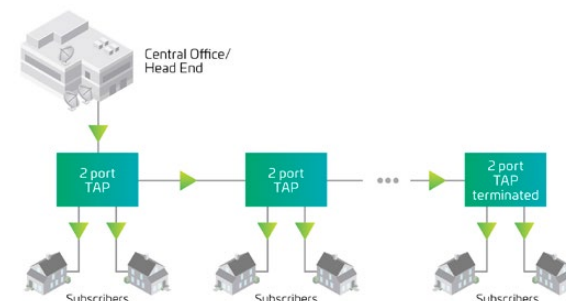
- Fast to install
- Reduced construction and civil works costs
- No splicing

#### Cons

- Higher optical loss
- Some deferred OLT costs

[Learn more >>](#)

### Distributed: Optical tap



#### Application

- Ideal for rural/low density
- Longer reach of PON
- Mid-span splicing, or hardened pre-connectorized cabling

#### Pros

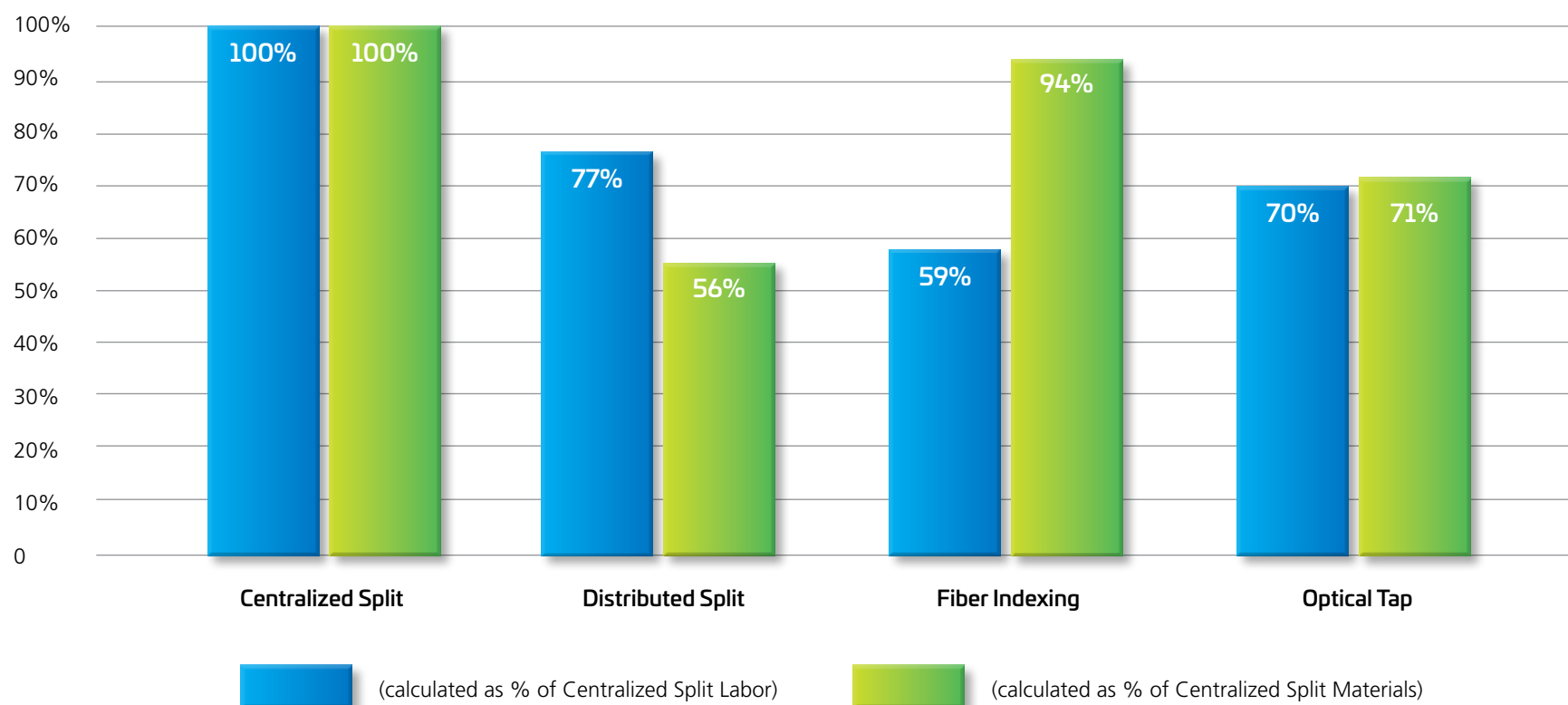
- Fast to install
- Low equipment cost
- No splicing option

#### Cons

- Less flexible
- Network planning complexity

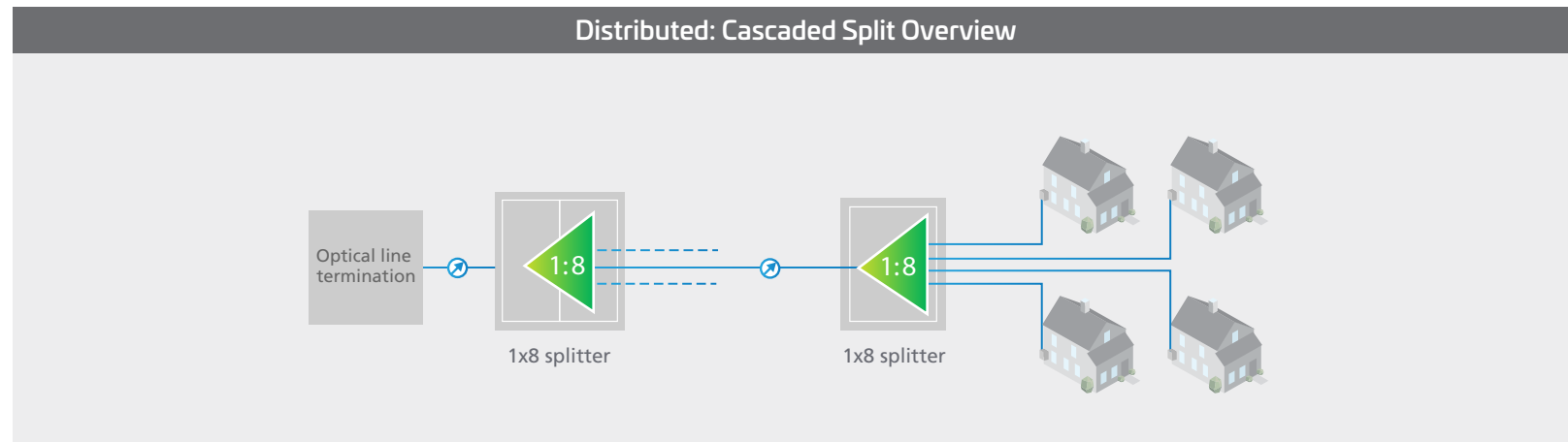
[Learn more >>](#)

## FTTH Alternatives (labor and materials comparison)



\*Baseline is MST-based Centralized Split

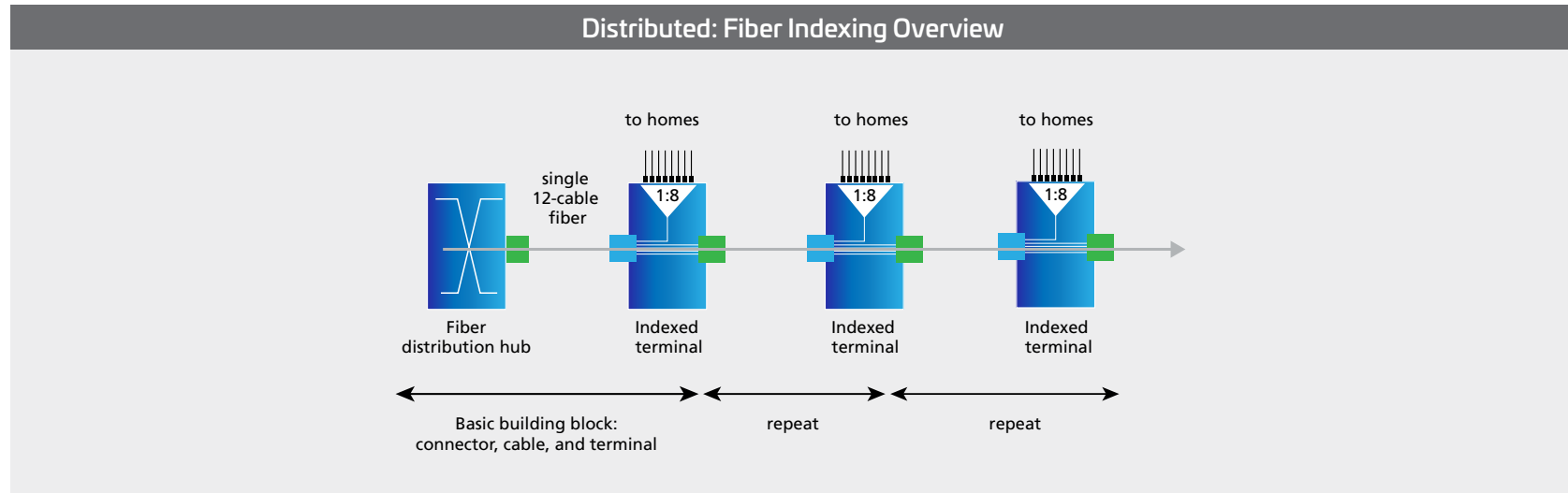




In most cases, a cascaded or distributed splitter approach has no splitters in the central office. The OLT port is connected/spliced directly to an outside plant fiber. A first level of splitting (1:4 or 1:8) is installed in a closure, not far from the central office. The input of this first level splitter is connected with the OLT fiber coming from the central office.

A second level of splitters (1:4 or 1:8) resides in terminal boxes, very close to the customer premises (each splitter covering 4 to 8 homes). The inputs of these splitters are the fibers coming from the outputs of the first level splitters described above. For additional details see Commscope's [White Paper, Key Technical Decisions when Planning Fiber-to-the-Home Networks](#).

**Lower CAPEX:** Differences in CAPEX between cascaded and centralized topologies greatly depends on the demography and density of the area. In a cascaded topology, the amount of fiber required is much lower in the network's distribution portion, the area of the network with the greatest impact on the overall cost of the infrastructure. If civil works are necessary in the distribution area, the greater amount of cable in a centralized topology means more ducts, and obviously more expensive digging. CAPEX differences also depend on the individual operator's business case and expectation of successful initial take rate. The costs for all contingencies must be weighed during the planning phase. A thorough costing-exercise of possible expenses is requisite.



### Fiber indexing: simplifying the FTTH network architecture

Fiber indexing has the potential to reduce construction and civil works costs in the distribution network by 70%—and in the process, significantly reduce deployment times and speed up time-to-market. One key savings lies in the length of cable needed, made possible by changing the network topology and consolidating the functions of multiple network elements into the service terminal.

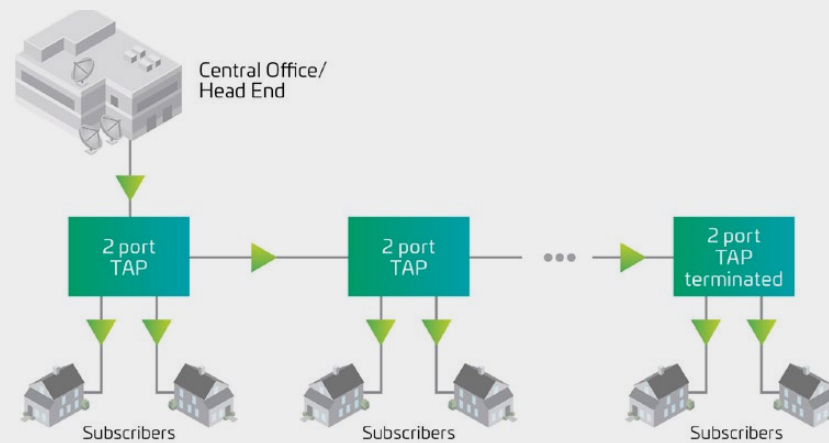
Fiber indexing is a novel approach that uses connectorized cables and terminals, and allows installers to use a cookie-cutter approach to build out the network. The exact same components are “daisy-chained” together, limiting the need for custom cable assemblies or splicing. The basic building block, which is repeated throughout the service area, includes a terminal, with a built-in splitter, hardened 12-fiber inputs and outputs, and 8 hardened drops to the homes.

The indexing begins with a 12-fiber cable entering the first terminal. In the terminal, fiber 1 is routed to a splitter for servicing local customers and the remaining fibers are “indexed” or moved up as they exit the terminal to connect to the next terminal. Indexing means that the second fiber entering the terminal will exit as the first fiber to enter the next terminal, and so on in a daisy-chained fashion.

There are several variations of this architecture, so it meets the requirements of many deployment scenarios. By using the same components over and over throughout the network, along with less overall fiber, the network can be installed faster and with lower overall installation costs.

For more details see Commscope’s [White Paper on Fiber Indexing, A Cost-Optimized Approach to FTTH Networks](#).

### Distributed: Optical Tap Overview



#### FTTH Solutions with Rural Taps: Bringing cost savings and efficiency to rural and medium density FTTH deployments

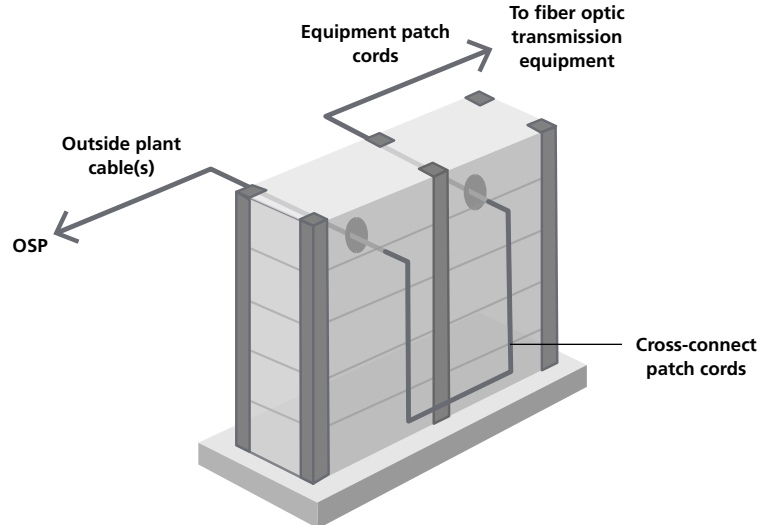
A distributed tap architecture is different. It uses fiber optic taps instead of splitters, and a linear daisy-chain topology. Imagine taking a fiber in a fiber cable, cutting it in the middle, and splicing a fiber optic tap into the fiber. Now the signal can pass through the tap and continue down the fiber, while the tap siphons or drops off a portion of the signal for locally connected subscribers. Multiple taps can be placed where needed down the line, until the optical link budget is exhausted or the maximum number of subscribers per OLT (Optical Line Terminal,) port (typically 32, though 64 or more are supported,) has been reached.

Rural Taps are available in 2-port, 4-port, and 8-port models, depending on the number of drop ports required. For each model, different tap values (ranging from -4dB to -22dB) are available, depending on how much optical power should be dropped off at each location. Drop ports from the tap are pre-connectorized, to facilitate a simple connect and disconnect of the customer drop cable.

Commscope provides a variety of Optical Tap product solutions including FOSC, OFDC, Mini-OTE, and MST for optical taps to best suit your deployment requirements. For more details see, [FTTH Solutions for Rural Taps](#).

### Cross-connect ODF configuration

A cross-connect ODF architecture provides a dedicated termination point for both the OSP fibers and the equipment fibers into the rear of the ODF. The OSP and equipment fibers are connected via a short cross-connect patch cord routed between the two ports on the front of the ODF.



#### Pros

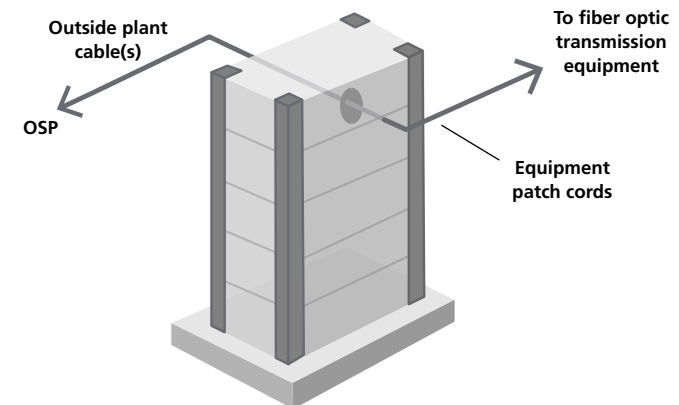
- Greatest flexibility for network reconfigurations
- OSP and equipment terminations have dedicated terminations
- Reduces the time required to turn-up or restore services

#### Cons

- More equipment, rack or floor space is required
- Typically is a 35% increase in equipment costs

### Fiber Optic Panel configuration

An inter-connect ODF architecture provides a termination point on the rear for OSP fibers, and the equipment fibers on the front of the ODF. With each service turn-up or reconfiguration a long patch cord is routed from the equipment to the ODF inter-connecting equipment to OSP fiber.



#### Pros

- Less equipment is required than Cross-connect
- Ideal for small environments such as a hut or cabinet

#### Cons

- Limited flexibility for network reconfigurations
- OSP and equipment do not have dedicated terminations
- Increases the time required to turn-up or restore services

## Navigation tips.

Use the decision tree diagrams **1** to help you choose from the various topologies. Select a topology **2** to take you to that topology screen.

**3** There, you can select parts **4** taking you to the parts screen **5** for the part you've selected. This parts screen **5** will list the most common parts for your selection.

Click on "Back to contents" at the top right of all the screens **6** to navigate to the main contents page, where you can access all sections.

**Feeder and distribution network decision tree (page 1 of 2)**

Click on "more info" to help with the decision. Click on a blue box to go to that topology.

Centralized  
Distributed  
Go to Distributed split >> (PAGE 2 OF 2)

Standard (mid-span layout)  
Standard or hardened connectors?  
Hardened  
Pre-cabled  
Pre-Cabled, Mid-Span or Mixed?

**01 Centralized, standard, mid-span >>**

**02 Centralized, hardened, pre-cabled >>**

**03 Centralized, hardened, mid-span >>**

**Feeder and distribution network | 01 Centralized, standard, mid-span**

Inside plant  
Head end  
Outside plant  
Feeder and Distribution  
Customer connection  
Drop

Area covered is typically 144 to 384 homes connected per each FDH

OPTION 1  
OPTION 2  
OPTION 3

Click on the products for more info

288 or 432 for cable feeder network  
FOSC  
OLT NODE  
48/72 M for cable distribution network  
FDH (with splitters 1:32)

**Feeder and distribution network | 01 Centralized, standard, mid-span—parts**

**FDH 3000 Fiber distribution hub—most common parts**

Part number	Description
<b>FDH 3000</b>	
FD3-AE288J00GBF1-P	FDH 3000 Pole Mount, 288 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FD3-AG432J00IBP1N	FDH 3000 Pad Mount, 432 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FPS-MPP1AII	FDH 3000 Plug-and-Play Splitter Module, 1 x 32, SC/APC
FPS-MPP1SII	FDH 3000 Plug-and-Play Splitter Module, 1 x 64, SC/APC
<b>Mini-288</b>	
FD4M-288S000D84	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pad mount with 8" riser
FD4M-288S000D84P	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pole mount
FPS-CMP2A55	Mini-288 Splitter Module, 1X32, input LC/APC, output LC/APC
FPS-CMP2S55	Mini-288 Splitter Module, 1X64, input LC/APC, output LC/APC
<b>FDH 4000</b>	
FD4S-A288S00GB1	FDH 4000, 288 Fiber Distribution LC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis LC/APC, Armored Loose Tube Fiber Cable 100 foot stub
FPS-CMP2A55	FDH-4000 Splitter Module, 1X32, input LC/APC, output LC/APC
FPS-CMP2S55	FDH-4000 Splitter Module, 1X64, input LC/APC, output LC/APC

**LEARN MORE**

FDH 3000 brochure >> Mini 288 brochure >> FDH 4000 brochure >>

Back to this topology

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**Feeder and distribution network decision tree (page 1 of 2)**

Click on "more info" to help with the decision. Click on a blue box to go to that topology.

Centralized  
Distributed  
Go to Distributed split >> (PAGE 2 OF 2)

Standard (mid-span layout)  
Standard or hardened connectors?  
Hardened  
Pre-cabled  
Pre-Cabled, Mid-Span or Mixed?

**01 Centralized, standard, mid-span >>**

**02 Centralized, hardened, pre-cabled >>**  
**03 Centralized, hardened, mid-span >>**

**Feeder and distribution network | 01 Centralized, standard, mid-span**

Inside plant  
Head end  
Outside plant  
Feeder and Distribution  
Customer connection  
Drop

Area covered is typically 144 to 384 homes connected per each FDH

OPTION 1  
OPTION 2  
OPTION 3

Click on the products for more info

288 or 432 for cable feeder network  
FOSC  
OLT NODE  
48/72 M for cable distribution network  
FDH (with splitters 1:32)

**Feeder and distribution network | 01 Centralized, standard, mid-span—parts**

**FDH 3000 Fiber distribution hub—most common parts**

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FD3-AG432J00IBP1N	FDH 3000 Pad Mount, 432 Fiber Distribution SC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis SC/APC, Dielectric Loose Tube Fiber Cable 100 foot stub
FPS-MPP1AII	FDH 3000 Plug-and-Play Splitter Module, 1 x 32, SC/APC
FPS-MPP1SII	FDH 3000 Plug-and-Play Splitter Module, 1 x 64, SC/APC
<b>Mini-288</b>	
FD4M-288S000D84	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pad mount with 8" riser
FD4M-288S000D84P	Mini FDH Cabinet with 288 Fiber Distribution LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pole mount
FPS-CMP2A55	Mini-288 Splitter Module, 1X32, input LC/APC, output LC/APC
FPS-CMP2S55	Mini-288 Splitter Module, 1X64, input LC/APC, output LC/APC
<b>FDH 4000</b>	
FD4S-A288S00GB1	FDH 4000, 288 Fiber Distribution LC/APC, 12-Fiber Feeder, Plug-n-Play Splitter Chassis LC/APC, Armored Loose Tube Fiber Cable 100 foot stub
FPS-CMP2A55	FDH-4000 Splitter Module, 1X32, input LC/APC, output LC/APC
FPS-CMP2S55	FDH-4000 Splitter Module, 1X64, input LC/APC, output LC/APC

**LEARN MORE**

FDH 3000 brochure >> Mini 288 brochure >> FDH 4000 brochure >>

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