FTTH network ePlanner

COMMSCOPE®

CommScope FTTH ePlanner

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

CommScope is a world leader in communication infrastructure solutions. A global brand with a local approach, we take pride in manufacturing fibre cable, drop cables, and fibre patch cords in our North Wales plant. This local capability gives us operational flexibility, regional focus, and greater speed, and ensures that our UK customers need make no compromises in product quality or availability. They get the products they need when they need them.

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 & cons for each, and critical factors to consider when designing a network. 17 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. Please note: the network topologies, configurations, and product selection in this ePlanner are designed solely for our UK customers.

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.

The ePlanner is organized in 3 main sections

Section 1: Design elements—Besides a glossary, this section covers several useful design considerations and technologies. We recommend a careful reading of this prior to getting into the next two sections.

Section 2: Network topology decision trees—Find the right topology for your application, uses built-in logic to guide the user through various topologies, pros & cons, and most common CommScope products used for each of the solutions.

Section 3: Network topology options—Quick navigation to the selected topology, is ideal for fast navigation to the configuration of choice and the most common products associated with it. Both hot links and page numbers can be used for navigation.

Important navigation tips >>

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Important navigation tips >>

Section 2: Network topology decision trees

Find the right topology and products for your application

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Section 3: Network topology options

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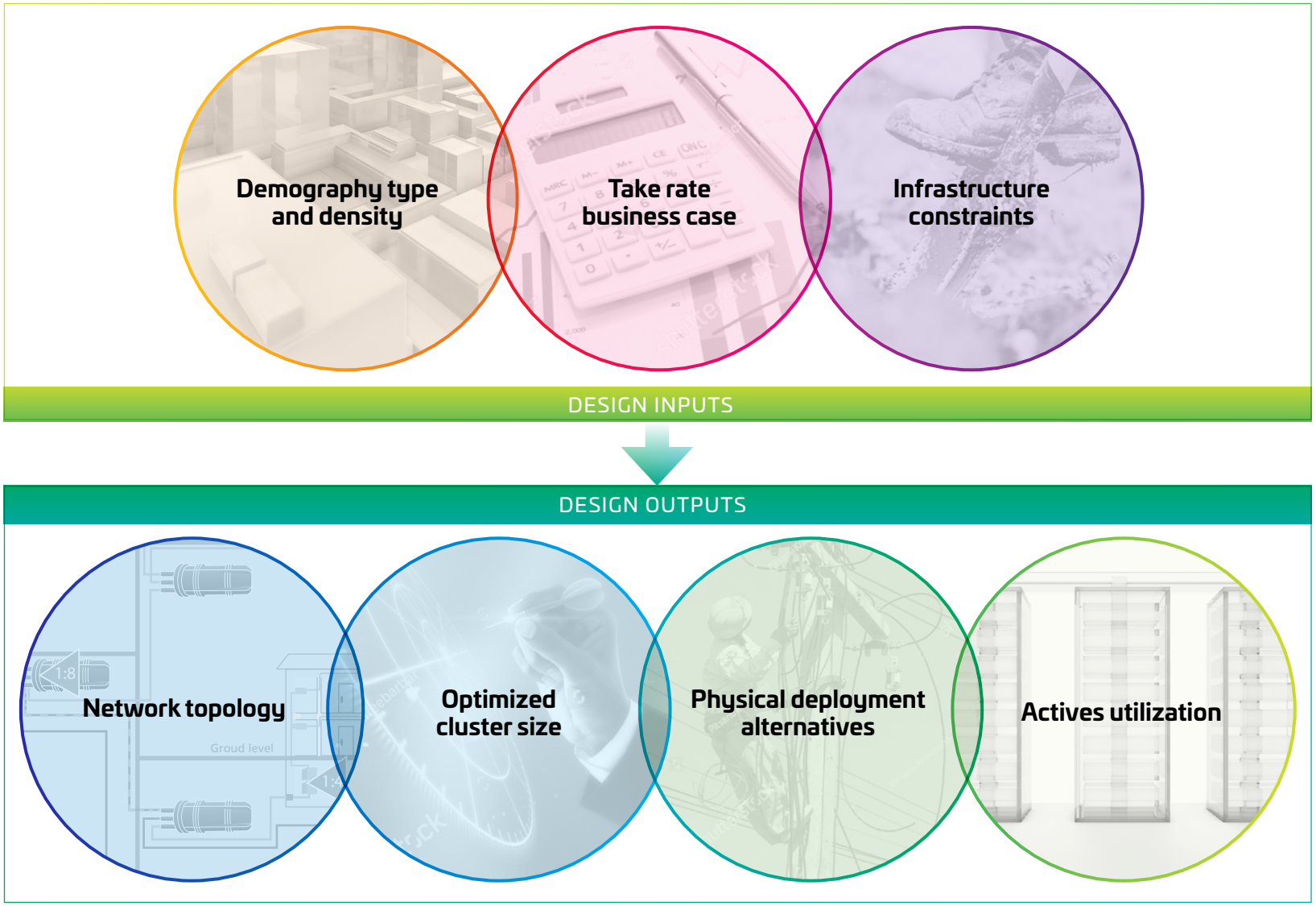
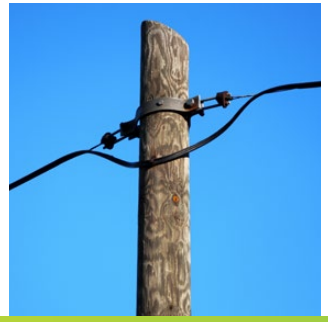
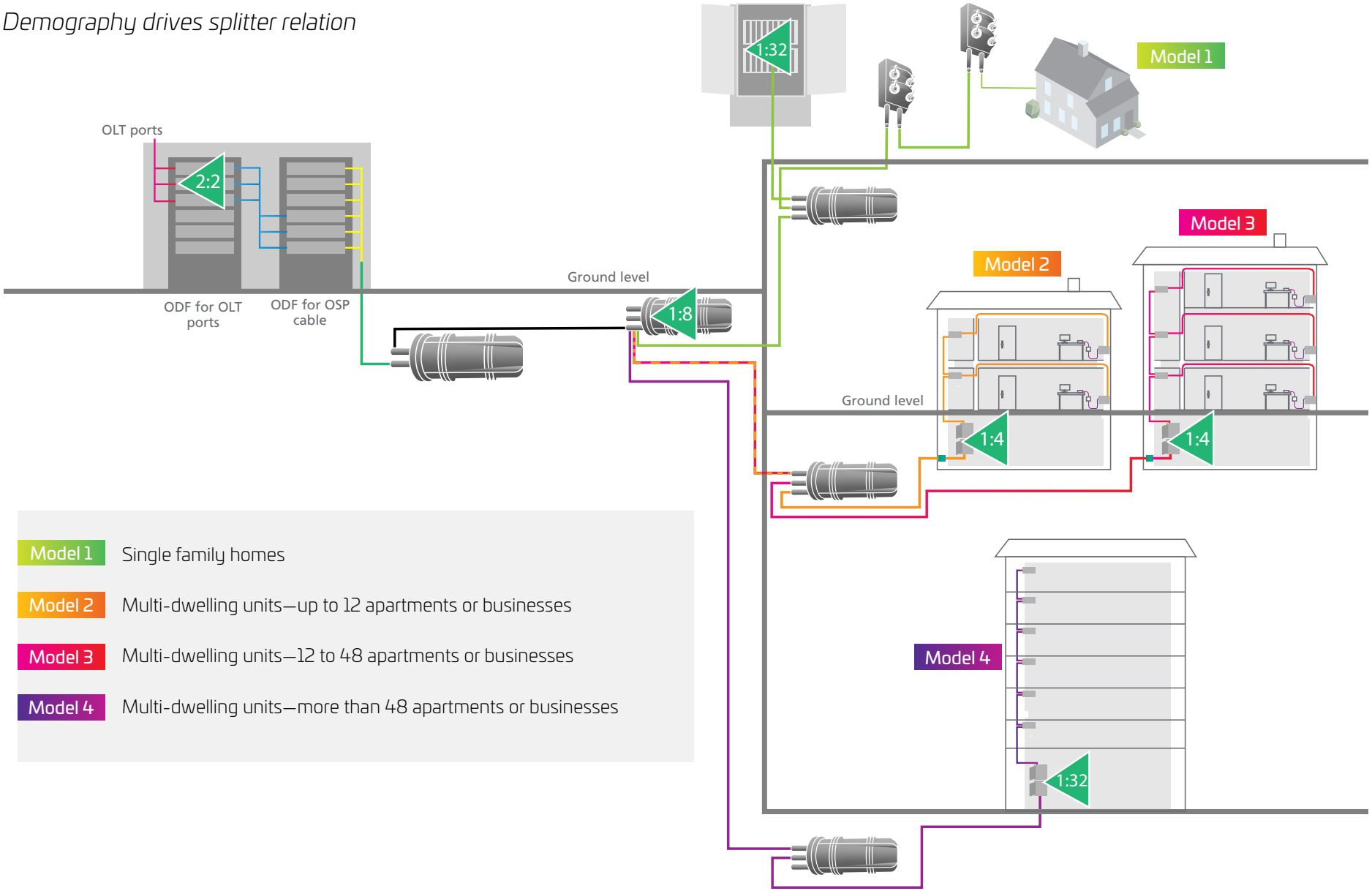
Section 1
Design elements


Demography type and density
Take rate business case
Infrastructure constraints
DESIGN INPUTS
DESIGN OUTPUTS
Network topology
Optimized cluster size
Physical deployment alternatives
Actives utilization

Standard Digging	Poles	Utility Infrastructure	Microtrench	Facades
				
PROS				
• Longterm solution	• Lower cost, estimated 20% of standard digging	• Existing Infrastructure, lower cost	• Lower cost, estimated 50% of standard digging	• Lower cost, estimated 20% of standard digging
CONS				
• Expensive, depending on terrain, up to 100 Euros per meter	• Permission, new poles not allowed in many countries	• Potential safety considerations and longer approval times	• Maintenance, risks	• Not allowed in many countries

Central office | Feeder network | Distribution network

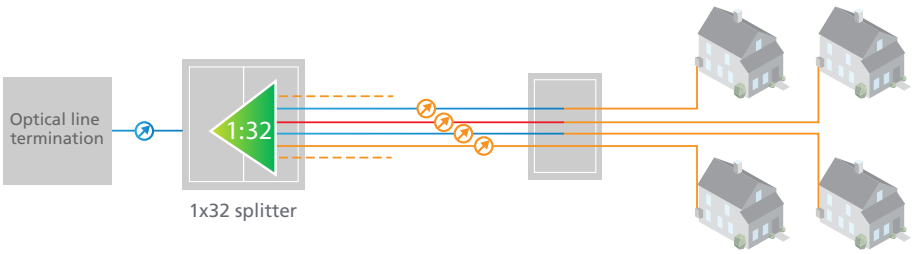
Demography drives splitter relation



Model 1	Single family homes
Model 2	Multi-dwelling units—up to 12 apartments or businesses
Model 3	Multi-dwelling units—12 to 48 apartments or businesses
Model 4	Multi-dwelling units—more than 48 apartments or businesses

Centralized split topology

Centralized Split topology uses a single stage splitter (typically 1:32 in GPON,) located in the outside plant. Typically, this splitter can be either a connectorized splitter in an outdoor cabinet or a spliced splitter in an underground closure. The input fibre for a centralized splitter comes from an OLT port in the central office. Sometimes, there is also a first 1:2 splitter in the central office. The output fibres go directly to each home.



Pros

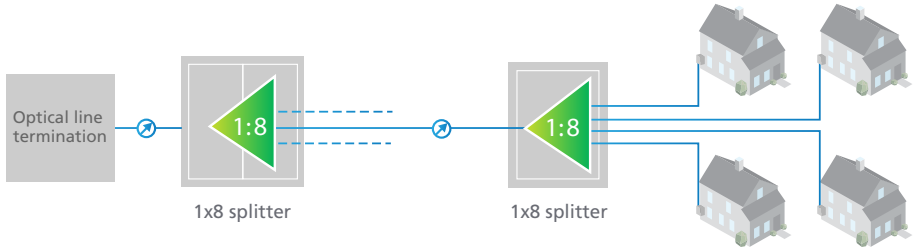
- Pay as you grow
- Easier to change with future technology changes
- Simpler to monitor and maintain

Cons

- More distribution fibre needed

Distributed split topology

Distributed Split topology uses two, and in rare cases, even as many as three levels of splitting. The splitters are located in the outside plant network. This approach may use a 1:8 spliced splitter residing in an underground closure, directly connected to an OLT. The second level can be either a spliced or a connectorized splitter, depending on the network topology.



Pros

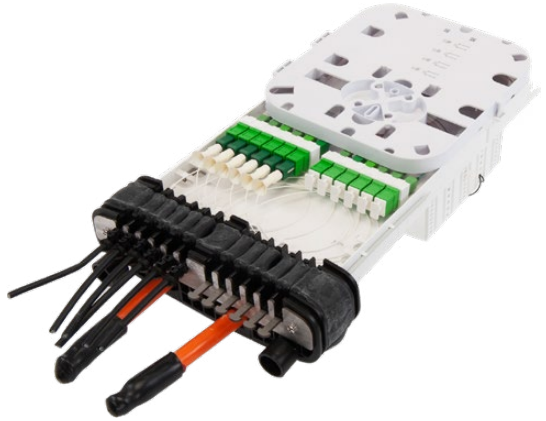
- Lower CAPEX
- Fast customer activation

Cons

- Higher actives CAPEX
- Harder to change in the future
- Harder to monitor and maintain

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
- Risk of disturbing service while touching fibres when connecting new customers
- 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

Fusion splicing

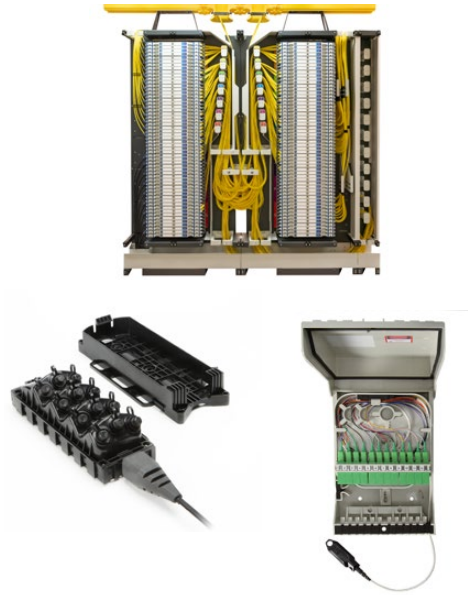
Pros

- Highest performance

Cons

- Requires highly skilled technicians
- No flexibility and maintenance points

Connectorized plant



Pros

- Ease of installation

Cons

- Higher CAPEX

Field installable connectors

Pros

- No need for expensive splice equipment

Cons

- HIgher losses
- Poor reliability

Traditional MDU topology

Uses multifibre riser cable that is spliced and connectorized in a terminal box located in the basement. This cable is opened at every floor and spliced/connectorized 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 fibre cable failures and disconnections

Rapid MDU topology

Uses CommScope Rapid Reel technology and provides an alternative riser concept in MDUs. Each floor distribution box has its own cable 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

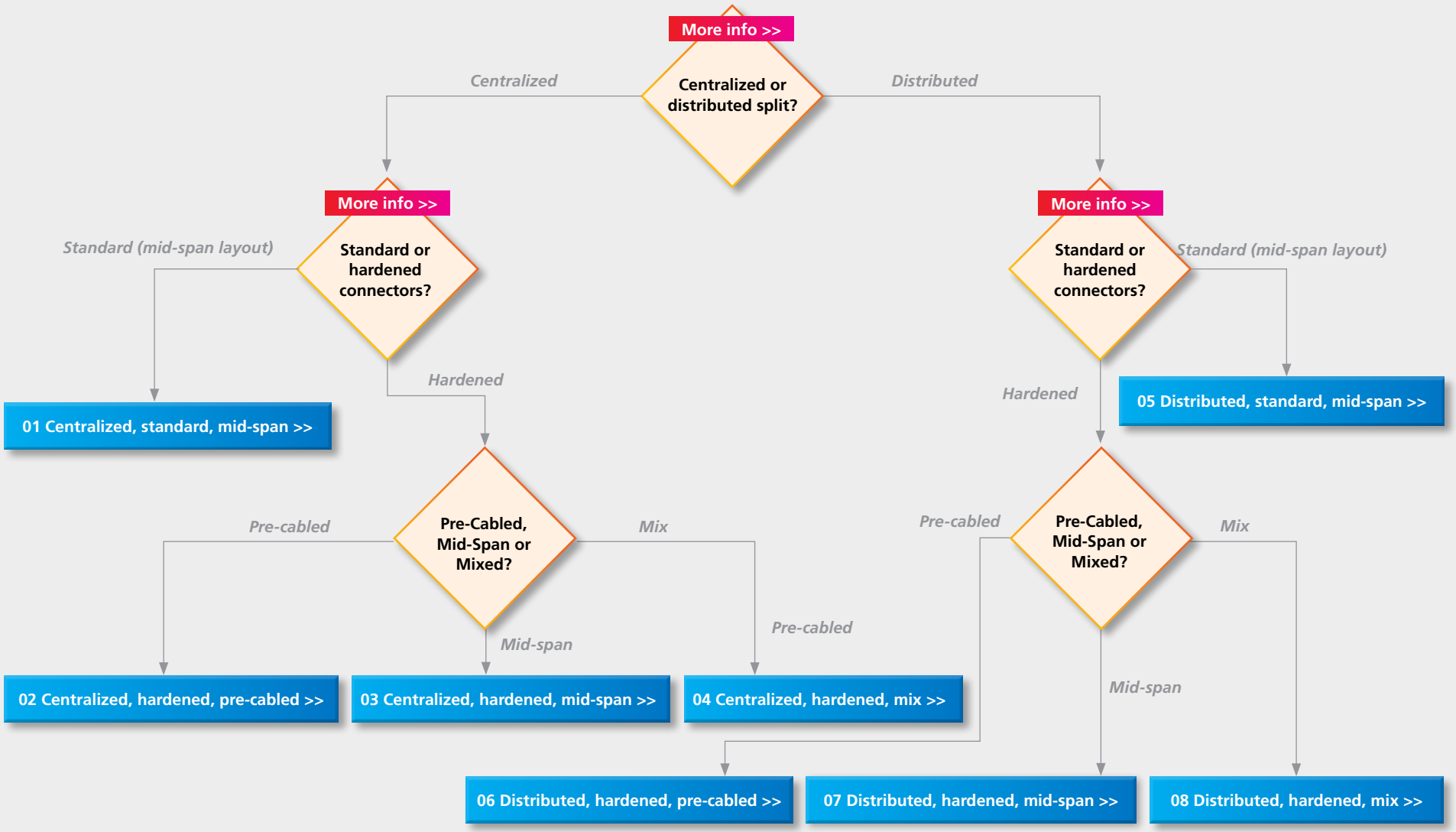
Section 2
Network topology decision trees

Inside plant	Outside plant	Customer connection	
Central Office	**Feeder and Distribution**	**SFU Drop**	**MDU Drop**
ODF configuration	Centralized	Standard	Centralized
01 Cross-connect ODF configuration	01 Standard, mid-span	01 Preconnectorized with transition box	01 Traditional MDUs
	02 Hardened, pre-cabled	02 Preconnectorized	02 Rapid without split
	03 Hardened, mid-span		03 Rapid with split
	04 Hardened, mix	Hardened	
	Distributed	03 Preconnectorized with transition box	
	05 Standard, mid-span	04 Preconnectorized	
	06 Hardened, pre-cabled		
	07 Hardened, mid-span		
	08 Hardened, mix		
Fibre panel in central office or cabinet			
02 Panel in-a-rack—MFPS (office)	02 MFPS (cabinet)		

Select from the decision trees below to help guide you through the many topologies.

Feeder and distribution network decision tree

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



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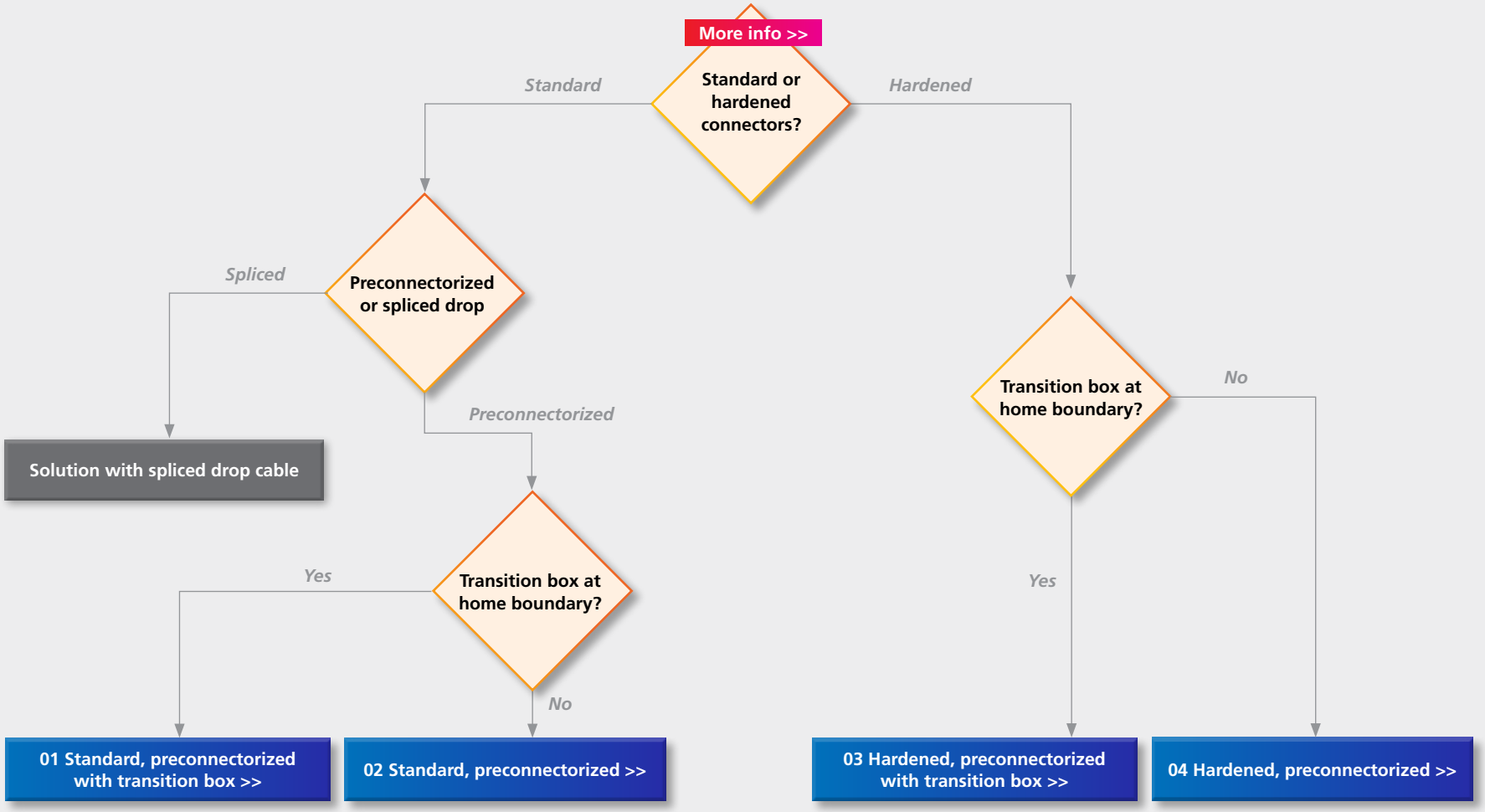
Click on "more info" to help with the decision. Click on a blue box to go to that topology.



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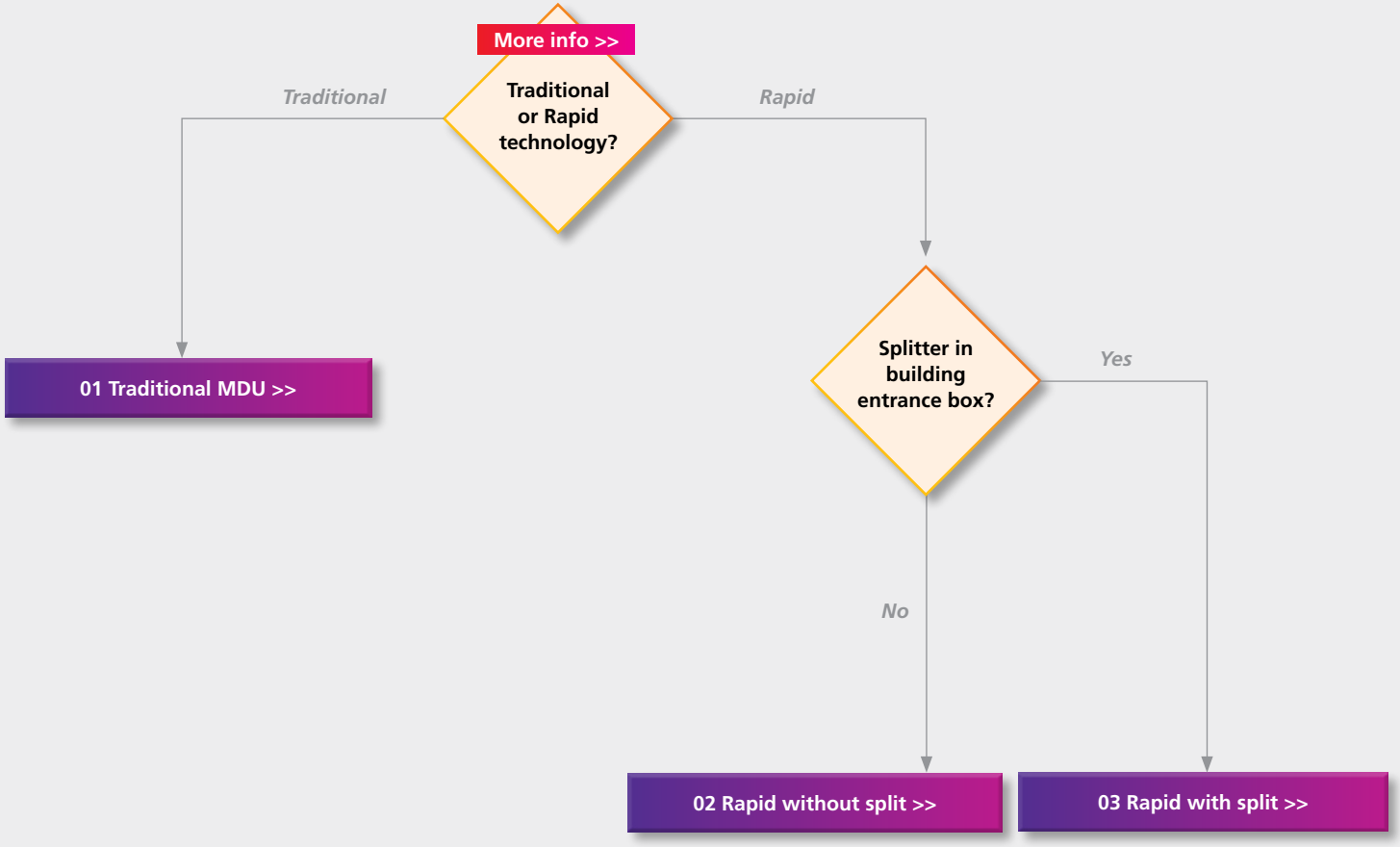
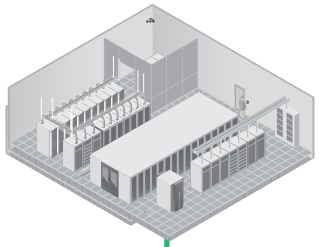


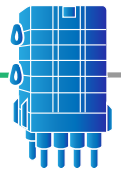
Section 3
Network topology options

Feeder and distribution network topology

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



288 or 432 for cable feeder network



FIST-GCO2

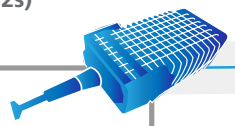
(Or FIST Modular Splice Closure)

Aggregation Node

48/72/144 for cable distribution network

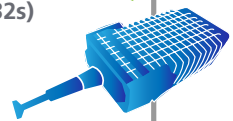
Click on the products for more info

Tenio (with splitters 1:32s)



48/72/144 for cable distribution network

Tenio (with splitters 1:32s)



Typically, 5 to 10 Tenios can be networked, depending on demography

Splitter Node

Click on additional products below for more info

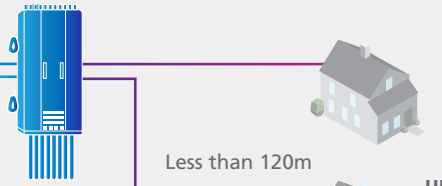
See more products:

FIST Modular Splice Closure >

Splitters >

Cables >

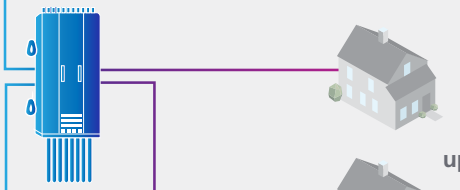
Area covered is typically 32 to 96 homes connected per splitter node



OFDC (4/8/12)

Less than 120m

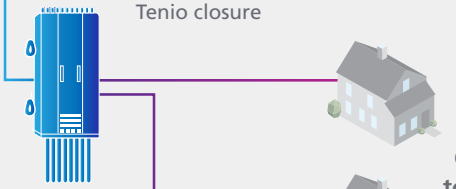
Cluster of up to 4 homes



OFDC (4/8/12)

Cluster of up to 8 homes

Typically, up to 12 OFDCs connected per Tenio closure



OFDC (4/8/12)

Cluster of up to 16/24 homes

Distribution Node

Home Premises

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OFDC—most common parts

Part number	Description
OFDC-A4-S2/44-NN-N-24	OFDC A4 terminal box equipped with 4 adapters and pigtails SC/APC, no splitter
OFDC-A4-L2/44-NN-N-24	OFDC A4 terminal box equipped with 4 adapters and pigtails LC/APC, no splitter
OFDC-A4-L2/88-NN-N-24	OFDC A4 terminal box equipped with 8 adapters and pigtails LC/APC, no splitter
OFDC-B8G-S2/88-NN-N-66	OFDC B8G terminal box equipped with 8 adapters and pigtails SC/APC, no splitter
OFDC-B8G-L2/GG-NN-N-66	OFDC B8G terminal box equipped with 16 adapters and pigtails LC/APC, no splitter
OFDC-C12-S2/TT-NN-N-96	OFDC C12 terminal box equipped with 12 adapters and pigtails SC/APC, no splitter
OFDC-C12-L2/VV-NN-N-96	OFDC C12 terminal box equipped with 24 adapters and pigtails LC/APC, no splitter

LEARN MORE

OFDC product family >>

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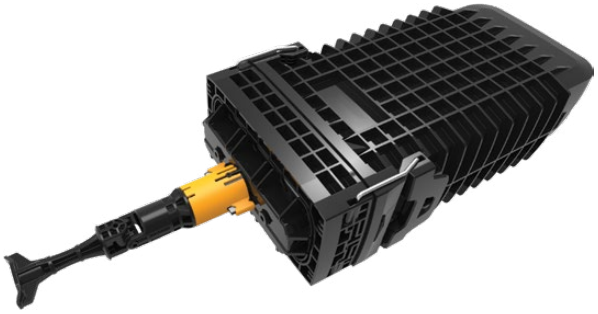
Tenio—most common parts

Part number	Description
Tenio domes fully loaded with trays	
TENIO-B6-S12-12-N	Small size Tenio closure, loaded with 12 trays, 12 splices each tray.
TENIO-C6H-SLE-12-N	Large size Tenio closure, loaded with 12 trays, 24 splices each.
Cable sealings	
TENIO-SKG5-2/4	Sealing for cables between 2 and 4 mm (5 cables per sealing)
TENIO-SKG4-3/6	Sealing for cables between 3 and 6 mm (4 cables per sealing)
TENIO-SKG3-5/8	Sealing for cables between 5 and 8 mm (3 cables per sealing)
TENIO-SKG3-7/10	Sealing for cables between 7 and 10 mm (3 cables per sealing)
TENIO-SKG2-9/12	Sealing for cables between 9 and 12 mm (2 cables per sealing)
TENIO-SKG2-11/14	Sealing for cables between 11 and 14 mm (2 cables per sealing)
TENIO-SKG2-13/16	Sealing for cables between 13 and 16 mm (2 cables per sealing)
TENIO-SKG-DUMMY	Sealing for cables between 2 and 4 mm (5 cables per sealing)
CTUs (cable termination units)	
TENIO-CTU-S	Cable retention kit, used with cable seals TENIO-SKG5-2/4, TENIO-SKG4-3/6
TENIO-CTU-L	Cable retention kit, used with cable seals TENIO-SKG3-5/8, TENIO-SKG3-7/10, TENIO-SKG2-9/12, TENIO-SKG2-11/14, TENIO-SKG2-13/16, TENIO-SKG3-3/5x6/9
Mounting Bracket	
TENIO-MOBRA	Mounting bracket for wall and pole mount
External cable fixation bracket	
TENIO-EXT/CF	External cable fixation bracket



LEARN MORE

Tenio fibre closures >>

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FIST-GCO2—most common parts

Part number	Description
FIST-GCO2 Dome closure without trays	
FIST-GCO2-BC8-NN	FIST-small-GCO2-BC8 basic closure, no valve (can be loaded up to 56 trays, 672 splices max.)
FIST-GCO2-BD8-NN	FIST-large-GCO2-BD8 Basic closure no valve (can be loaded up to 80 trays, 960 splices max.)
Splice trays	
FIST-SOSA2-8SLE-S	WGP 8UMS and 8SLE Splice trays (96 splices, 12 splices each tray)
FIST-SOSA2-4SLE-S	WGP 4UMS and 4SLE Splice tray (48 splices, 12 splices each tray)
Cable sealings	
FIST-RSKG-4F	FIST-Seal-RSKG-4F (11x6.5 Flat four cable)
FIST-RSKG-4	FIST-Seal-RSKG-4
FIST-RSKG-2	FIST-Seal-RSKG-2
FIST-RSKG-1	FIST-Seal-RSKG-1 (11-14 one cable)
FIST-OSKG	FIST-Seal OSKG Oval Seal
Mounting brackets	
FIST-MOBRA-8-FIX	Wall and Pole mounting kit
FIST-GCOG-POLE-KIT	Hose Clamp for pole mounting, used with MOBRA kit

LEARN MORE

FIST-GCO2 info >>

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FIST Modular Splice closure—most common parts

Part number	Description
FIST-MSC Dome closure without trays	
FIST-MSC-C8-N	MSC dome closure C-size, no test valve. No trays (capacity for 40 trays, 480 splices)
FIST-MSC-D8-N	MSC dome closure D-size, no test valve. No trays (capacity for 72 trays, 864 splices)
FIST-MSC-E8-N	MSC dome closure E-size, no test valve. No trays (capacity for 104 trays, 1248 splices)
Splice Trays	
FIST-SOSA2-8SLE-S	WGP 8UMS and 8SLE Splice trays (96 splices, 12 splices each tray)
FIST-SOSA2-4SLE-S	WGP 4UMS and 4SLE Splice tray (48 splices, 12 splices each tray)
Cable sealings	
MSC-SKG8-1/5	Sealing kit for 8 cables of diameters between 1 and 5 mm
MSC-SKG8-4/7-11	Sealing kit for 4 cables of diameters between 4 and 11 mm
MSC-SKG3-6/14	Sealing kit for 3 cables of diameters between 6 and 14 mm
MSC-SKG2-14/18	Sealing kit for 2 cables of diameters between 14 and 18 mm
MSC-SKG2-18/22	Sealing kit for 3 cables of diameters between 18 and 22 mm
MSC-SKG1-21/27	Sealing kit for 1 cable of diameter between 21 and 27mm
MSC-SKG-DUMMY	Dummy seal
Cable retention units	
CTU-S	Cable termination unit for cables up to 7 mm
CTU-L	Cable termination unit for cables up to 16 mm
CTU-G	Cable termination unit for cables up to 27 mm
CTU-G-GRND	Cable termination unit for cables up to 27 mm, with grounding wire
Closure mounting bracket	
MSC-MOBRA	Wall/pole mounting kit
External fixation bracket	
MSC-EXT/CF	External cable/tube fixation bracket, including 8 tie wraps and 2 hose clamps

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FIST Modular Splice Closure brochure >>

FIST Modular Splice Closure ordering guide >>

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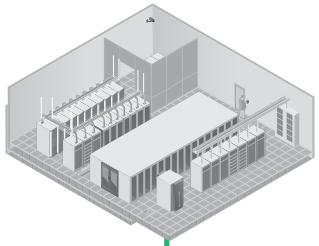
Optical splitters in closures: most common parts

Part number	Description
OCC1P-10200-NNNQNQF	Splitter 1:2 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-10400-NNNQNQF	Splitter 1:4 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-10800-NNNQNQF	Splitter 1:8 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-11600-NNNQNQF	Splitter 1:16 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-13200-NNNQNQF	Splitter 1:32 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-16400-NNNQNQF	Splitter 1:64 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
FIST-FSASA3-132-1P-S-IE05	1:32 Splitter (for FIST-GCO2 and FIST-MSC)
FIST-FSASA3-SC-116-1P-S	1:16 Splitter (for FIST-GCO2 and FIST-MSC)
FIST-FSASA3-SC-104-2P-S	1:4 Splitter (for FIST-GCO2 and FIST-MSC)

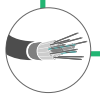
Cables: most common parts

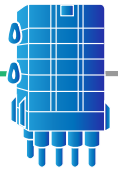
Part number	Description
B-024-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-048-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-072-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-096-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-144-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-144-LN-8F-M24NS/17 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-192-LN-8F-M24NS17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-216-LN-8F-M24NS/17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-288-LN-8F-M24NS/17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
O-024-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-048-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-072-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-096-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-144-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-024-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-048-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-072-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-096-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-144-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
S-024-LN-8W-M06NS/NFB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 2–60 fiber Arid Core construction, stranded loose tube
S-048-LN-8W-M12NS/NFB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 2–60 fiber Arid Core construction, stranded loose tube
S-072-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube
S-096-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube
S-144-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube

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



288 or 432 for cable feeder network





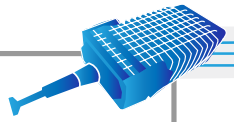
FIST-GCO2

(Or FIST Modular Splice Closure)

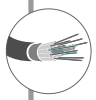
Aggregation Node

Click on the products for more info

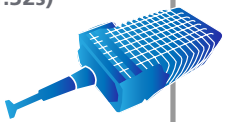
Tenio (with splitters 1:32s)



48/72/144 for cable distribution network



Tenio (with splitters 1:32s)



Typically, 5 to 10 Tenios can be networked, depending on demography

Splitter Node

Click on additional products below for more info

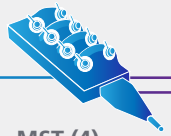
See more products:

FIST Modular Splice Closure >

Splitters >

Cables >

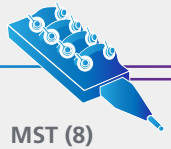
Area covered is typically 32 to 96 homes connected per splitter node



MST (4)

Less than 120m

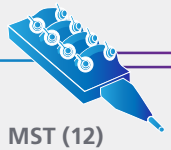
Cluster of up to 4 homes



MST (8)

Cluster of up to 8 homes

Typically, up to 12 MSTs connected per Tenio closure



MST (12)

Cluster of up to 12 homes

Distribution Node

Home Premises

CONTACT COMMSCOPE

MST—most common parts

Part number	Description
MST-04MH00-A0050U	4 Port Full Size, Dielectric Cable 50 ft (15m)
MST-04MH00-A0150U	4 Port Full Size, Dielectric Cable 150 ft (45m)
MST-04MH00-A0350U	4 Port Full Size, Dielectric Cable 350 ft (106m)
MST-04MH00-A0500U	4 Port Full Size, Dielectric Cable 500 ft (152m)
MST-04MH00-A1000U	4 Port Full Size, Dielectric Cable 1000 ft (305m)
MST-08MH00-A0050U	8 Port Full Size, Dielectric Cable 50 ft (15m)
MST-08MH00-A0150U	8 Port Full Size, Dielectric Cable 150 ft (45m)
MST-08MH00-A0350U	8 Port Full Size, Dielectric Cable 350 ft (106m)
MST-08MH00-A0500U	8 Port Full Size, Dielectric Cable 500 ft (152m)
MST-08MH00-A1000U	8 Port Full Size, Dielectric Cable 1000 ft (305m)
MST-12RH00-A0050U	12 Port Full Size, Dielectric Cable 50 ft (15m)
MST-12RH00-A0150U	12 Port Full Size, Dielectric Cable 150 ft (45m)
MST-12RH00-A0350U	12 Port Full Size, Dielectric Cable 350 ft (106m)
MST-12RH00-A0500U	12 Port Full Size, Dielectric Cable 500 ft (152m)
MST-12RH00-A1000U	12 Port Full Size, Dielectric Cable 1000 ft (305m)
MST-12RH00-A2000U	12 Port Full Size, Dielectric Cable 2000 ft (610mtr)

LEARN MORE

Fibre Access Terminals brochure >>

Web page >>

CONTACT COMMSCOPE

Tenio—most common parts

Part number	Description
Tenio domes fully loaded with trays	
TENIO-B6-S12-12-N	Small size Tenio closure, loaded with 12 trays, 12 splices each tray.
TENIO-C6H-SLE-12-N	Large size Tenio closure, loaded with 12 trays, 24 splices each.
Cable sealings	
TENIO-SKG5-2/4	Sealing for cables between 2 and 4 mm (5 cables per sealing)
TENIO-SKG4-3/6	Sealing for cables between 3 and 6 mm (4 cables per sealing)
TENIO-SKG3-5/8	Sealing for cables between 5 and 8 mm (3 cables per sealing)
TENIO-SKG3-7/10	Sealing for cables between 7 and 10 mm (3 cables per sealing)
TENIO-SKG2-9/12	Sealing for cables between 9 and 12 mm (2 cables per sealing)
TENIO-SKG2-11/14	Sealing for cables between 11 and 14 mm (2 cables per sealing)
TENIO-SKG2-13/16	Sealing for cables between 13 and 16 mm (2 cables per sealing)
TENIO-SKG-DUMMY	Sealing for cables between 2 and 4 mm (5 cables per sealing)
CTUs (cable termination units)	
TENIO-CTU-S	Cable retention kit, used with cable seals TENIO-SKG5-2/4, TENIO-SKG4-3/6
TENIO-CTU-L	Cable retention kit, used with cable seals TENIO-SKG3-5/8, TENIO-SKG3-7/10, TENIO-SKG2-9/12, TENIO-SKG2-11/14, TENIO-SKG2-13/16, TENIO-SKG3-3/5x6/9
Mounting Bracket	
TENIO-MOBRA	Mounting bracket for wall and pole mount
External cable fixation bracket	
TENIO-EXT/CF	External cable fixation bracket

LEARN MORE

Tenio fibre closures >>

CONTACT COMMSCOPE

FIST-GCO2—most common parts

Part number	Description
FIST-GCO2 Dome closure without trays	
FIST-GCO2-BC8-NN	FIST-small-GCO2-BC8 basic closure, no valve (can be loaded up to 56 trays, 672 splices max.)
FIST-GCO2-BD8-NN	FIST-large-GCO2-BD8 Basic closure no valve (can be loaded up to 80 trays, 960 splices max.)
Splice trays	
FIST-SOSA2-8SLE-S	WGP 8UMS and 8SLE Splice trays (96 splices, 12 splices each tray)
FIST-SOSA2-4SLE-S	WGP 4UMS and 4SLE Splice tray (48 splices, 12 splices each tray)
Cable sealings	
FIST-RSKG-4F	FIST-Seal-RSKG-4F (11x6.5 Flat four cable)
FIST-RSKG-4	FIST-Seal-RSKG-4
FIST-RSKG-2	FIST-Seal-RSKG-2
FIST-RSKG-1	FIST-Seal-RSKG-1 (11-14 one cable)
FIST-OSKG	FIST-Seal OSKG Oval Seal 8-1
Mounting brackets	
FIST-MOBRA-8-FIX	UG Bracket
FIST-GCOG-POLE-KIT	Pole Bracket

LEARN MORE

FIST-GCO2 info >>

CONTACT COMMSCOPE

FIST Modular Splice closure—most common parts

Part number	Description
FIST-MSC Dome closure without trays	
FIST-MSC-C8-N	MSC dome closure C-size, no test valve. No trays (capacity for 40 trays, 480 splices)
FIST-MSC-D8-N	MSC dome closure D-size, no test valve. No trays (capacity for 72 trays, 864 splices)
FIST-MSC-E8-N	MSC dome closure E-size, no test valve. No trays (capacity for 104 trays, 1248 splices)
Splice Trays	
FIST-SOSA2-8SLE-S	WGP 8UMS and 8SLE Splice trays (96 splices, 12 splices each tray)
FIST-SOSA2-4SLE-S	WGP 4UMS and 4SLE Splice tray (48 splices, 12 splices each tray)
Cable sealings	
MSC-SKG8-1/5	Sealing kit for 8 cables of diameters between 1 and 5 mm
MSC-SKG8-4/7-11	Sealing kit for 4 cables of diameters between 4 and 11 mm
MSC-SKG3-6/14	Sealing kit for 3 cables of diameters between 6 and 14 mm
MSC-SKG2-14/18	Sealing kit for 2 cables of diameters between 14 and 18 mm
MSC-SKG2-18/22	Sealing kit for 3 cables of diameters between 18 and 22 mm
MSC-SKG1-21/27	Sealing kit for 1 cable of diameter between 21 and 27mm
MSC-SKG-DUMMY	Dummy seal
Cable retention units	
CTU-S	Cable termination unit for cables up to 7 mm
CTU-L	Cable termination unit for cables up to 16 mm
CTU-G	Cable termination unit for cables up to 27 mm
CTU-G-GRND	Cable termination unit for cables up to 27 mm, with grounding wire
Closure mounting bracket	
MSC-MOBRA	Wall/pole mounting kit
External fixation bracket	
MSC-EXT/CF	External cable/tube fixation bracket, including 8 tie wraps and 2 hose clamps

LEARN MORE

FIST Modular Splice Closure brochure >>

FIST Modular Splice Closure ordering guide >>

CONTACT COMMSCOPE

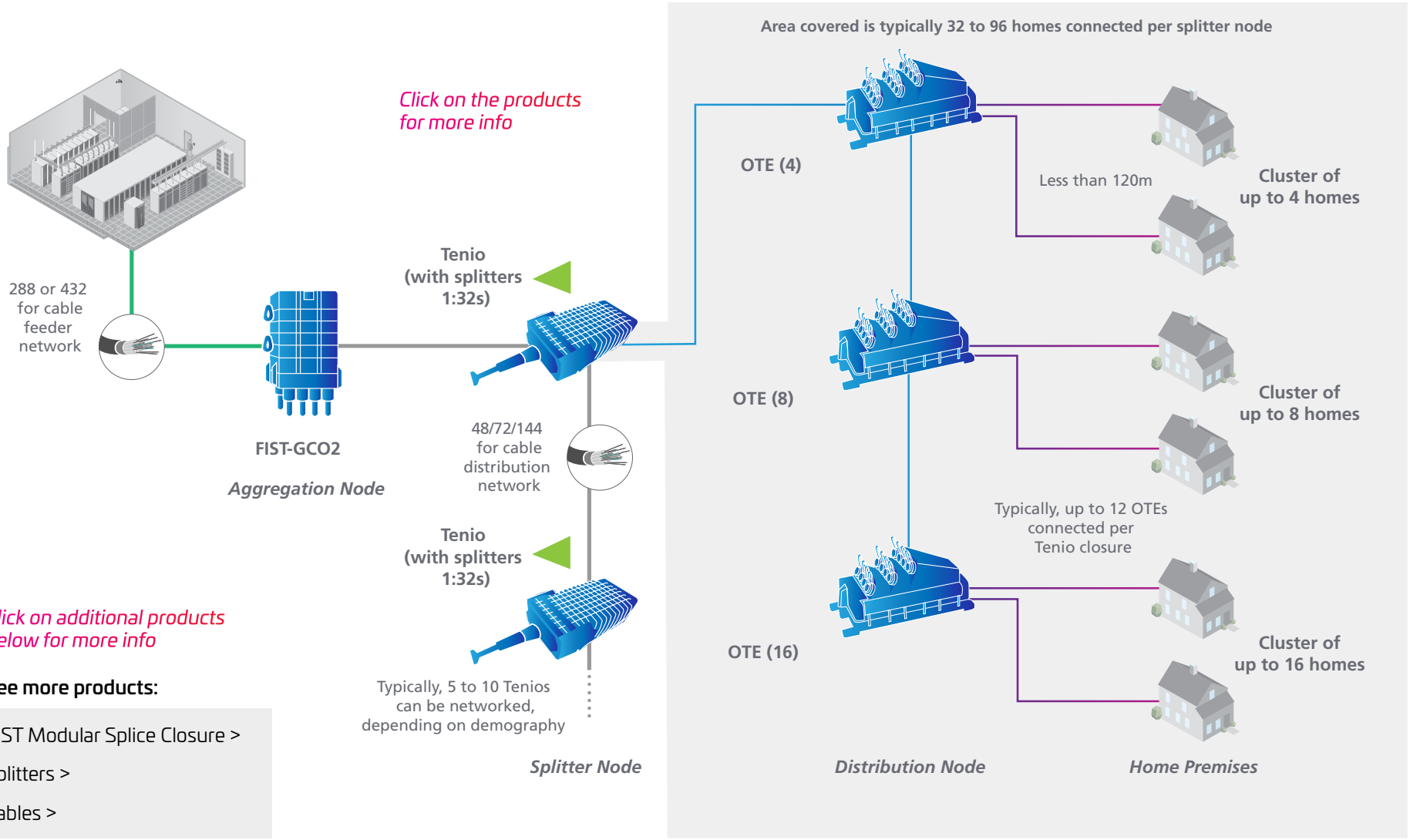
Optical splitters in closures: most common parts

Part number	Description
OCC1P-10200-NNNQNQF	Splitter 1:2 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-10400-NNNQNQF	Splitter 1:4 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-10800-NNNQNQF	Splitter 1:8 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-11600-NNNQNQF	Splitter 1:16 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-13200-NNNQNQF	Splitter 1:32 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-16400-NNNQNQF	Splitter 1:64 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
FIST-FSASA3-132-1P-S-IE05	1:32 Splitter (for FIST-GCO2 and FIST-MSC)
FIST-FSASA3-SC-116-1P-S	1:16 Splitter (for FIST-GCO2 and FIST-MSC)
FIST-FSASA3-SC-104-2P-S	1:4 Splitter (for FIST-GCO2 and FIST-MSC)

Cables: most common parts

Part number	Description
B-024-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-048-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-072-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-096-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-144-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-144-LN-8F-M24NS/17 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-192-LN-8F-M24NS17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-216-LN-8F-M24NS/17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-288-LN-8F-M24NS/17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
O-024-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-048-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-072-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-096-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-144-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-024-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-048-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-072-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-096-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-144-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
S-024-LN-8W-M06NS/NFB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 2–60 fiber Arid Core construction, stranded loose tube
S-048-LN-8W-M12NS/NFB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 2–60 fiber Arid Core construction, stranded loose tube
S-072-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube
S-096-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube
S-144-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube

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



Click on additional products below for more info

See more products:

FIST Modular Splice Closure >

Splitters >

Cables >

CONTACT COMMSCOPE

OTE—most common parts

Part number	Description
OTE200-04MH-NN-S12-B-P	OTE 200, 4 port – Full Size, No splitter, 2 splice trays, Black, Pole Bracket
OTE-08MH-NN-000-B-03	OTE 300, 8 port – Full Size, No splitter, 2 splice trays, Black
OTE-12MH-NN-000-B-03	OTE 300, 12 port – Full Size, No splitter, 2 splice trays, Black.

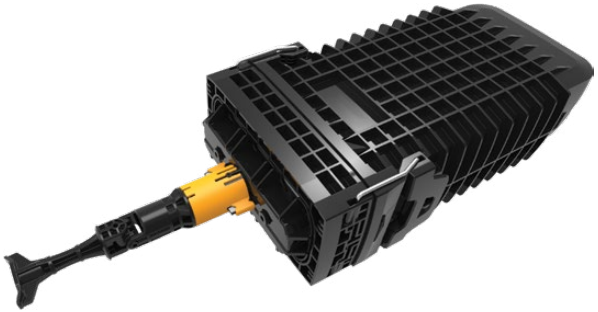
LEARN MORE

OTE portfolio brochure >>

CONTACT COMMSCOPE

Tenio—most common parts

Part number	Description
Tenio domes fully loaded with trays	
TENIO-B6-S12-12-N	Small size Tenio closure, loaded with 12 trays, 12 splices each tray.
TENIO-C6H-SLE-12-N	Large size Tenio closure, loaded with 12 trays, 24 splices each.
Cable sealings	
TENIO-SKG5-2/4	Sealing for cables between 2 and 4 mm (5 cables per sealing)
TENIO-SKG4-3/6	Sealing for cables between 3 and 6 mm (4 cables per sealing)
TENIO-SKG3-5/8	Sealing for cables between 5 and 8 mm (3 cables per sealing)
TENIO-SKG3-7/10	Sealing for cables between 7 and 10 mm (3 cables per sealing)
TENIO-SKG2-9/12	Sealing for cables between 9 and 12 mm (2 cables per sealing)
TENIO-SKG2-11/14	Sealing for cables between 11 and 14 mm (2 cables per sealing)
TENIO-SKG2-13/16	Sealing for cables between 13 and 16 mm (2 cables per sealing)
TENIO-SKG-DUMMY	Sealing for cables between 2 and 4 mm (5 cables per sealing)
CTUs (cable termination units)	
TENIO-CTU-S	Cable retention kit, used with cable seals TENIO-SKG5-2/4, TENIO-SKG4-3/6
TENIO-CTU-L	Cable retention kit, used with cable seals TENIO-SKG3-5/8, TENIO-SKG3-7/10, TENIO-SKG2-9/12, TENIO-SKG2-11/14, TENIO-SKG2-13/16, TENIO-SKG3-3/5x6/9
Mounting Bracket	
TENIO-MOBRA	Mounting bracket for wall and pole mount
External cable fixation bracket	
TENIO-EXT/CF	External cable fixation bracket



LEARN MORE

Tenio fibre closures >>

CONTACT COMMSCOPE

FIST-GCO2—most common parts

Part number	Description
FIST-GCO2 Dome closure without trays	
FIST-GCO2-BC8-NN	FIST-small-GCO2-BC8 basic closure, no valve (can be loaded up to 56 trays, 672 splices max.)
FIST-GCO2-BD8-NN	FIST-large-GCO2-BD8 Basic closure no valve (can be loaded up to 80 trays, 960 splices max.)
Splice trays	
FIST-SOSA2-8SLE-S	WGP 8UMS and 8SLE Splice trays (96 splices, 12 splices each tray)
FIST-SOSA2-4SLE-S	WGP 4UMS and 4SLE Splice tray (48 splices, 12 splices each tray)
Cable sealings	
FIST-RSKG-4F	FIST-Seal-RSKG-4F (11x6.5 Flat four cable)
FIST-RSKG-4	FIST-Seal-RSKG-4
FIST-RSKG-2	FIST-Seal-RSKG-2
FIST-RSKG-1	FIST-Seal-RSKG-1 (11-14 one cable)
FIST-OSKG	FIST-Seal OSKG Oval Seal 8-1
Mounting brackets	
FIST-MOBRA-8-FIX	UG Bracket
FIST-GCOG-POLE-KIT	Pole Bracket

LEARN MORE

FIST-GCO2 info >>

CONTACT COMMSCOPE

FIST Modular Splice closure—most common parts

Part number	Description
FIST-MSC Dome closure without trays	
FIST-MSC-C8-N	MSC dome closure C-size, no test valve. No trays (capacity for 40 trays, 480 splices)
FIST-MSC-D8-N	MSC dome closure D-size, no test valve. No trays (capacity for 72 trays, 864 splices)
FIST-MSC-E8-N	MSC dome closure E-size, no test valve. No trays (capacity for 104 trays, 1248 splices)
Splice Trays	
FIST-SOSA2-8SLE-S	WGP 8UMS and 8SLE Splice trays (96 splices, 12 splices each tray)
FIST-SOSA2-4SLE-S	WGP 4UMS and 4SLE Splice tray (48 splices, 12 splices each tray)
Cable sealings	
MSC-SKG8-1/5	Sealing kit for 8 cables of diameters between 1 and 5 mm
MSC-SKG8-4/7-11	Sealing kit for 4 cables of diameters between 4 and 11 mm
MSC-SKG3-6/14	Sealing kit for 3 cables of diameters between 6 and 14 mm
MSC-SKG2-14/18	Sealing kit for 2 cables of diameters between 14 and 18 mm
MSC-SKG2-18/22	Sealing kit for 3 cables of diameters between 18 and 22 mm
MSC-SKG1-21/27	Sealing kit for 1 cable of diameter between 21 and 27mm
MSC-SKG-DUMMY	Dummy seal
Cable retention units	
CTU-S	Cable termination unit for cables up to 7 mm
CTU-L	Cable termination unit for cables up to 16 mm
CTU-G	Cable termination unit for cables up to 27 mm
CTU-G-GRND	Cable termination unit for cables up to 27 mm, with grounding wire
Closure mounting bracket	
MSC-MOBRA	Wall/pole mounting kit
External fixation bracket	
MSC-EXT/CF	External cable/tube fixation bracket, including 8 tie wraps and 2 hose clamps

LEARN MORE

FIST Modular Splice Closure brochure >>

FIST Modular Splice Closure ordering guide >>

CONTACT COMMSCOPE

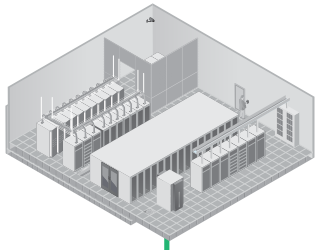
Optical splitters in closures: most common parts

Part number	Description
OCC1P-10200-NNNQNQF	Splitter 1:2 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-10400-NNNQNQF	Splitter 1:4 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-10800-NNNQNQF	Splitter 1:8 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-11600-NNNQNQF	Splitter 1:16 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-13200-NNNQNQF	Splitter 1:32 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-16400-NNNQNQF	Splitter 1:64 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
FIST-FSASA3-132-1P-S-IE05	1:32 Splitter (for FIST-GCO2 and FIST-MSC)
FIST-FSASA3-SC-116-1P-S	1:16 Splitter (for FIST-GCO2 and FIST-MSC)
FIST-FSASA3-SC-104-2P-S	1:4 Splitter (for FIST-GCO2 and FIST-MSC)

Cables: most common parts

Part number	Description
B-024-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-048-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-072-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-096-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-144-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-144-LN-8F-M24NS/17 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-192-LN-8F-M24NS17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-216-LN-8F-M24NS/17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-288-LN-8F-M24NS/17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
O-024-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-048-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-072-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-096-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-144-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-024-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-048-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-072-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-096-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-144-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
S-024-LN-8W-M06NS/NFB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 2–60 fiber Arid Core construction, stranded loose tube
S-048-LN-8W-M12NS/NFB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 2–60 fiber Arid Core construction, stranded loose tube
S-072-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube
S-096-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube
S-144-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube

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



288 or 432 for cable feeder network

FIST-GCO2

Aggregation Node

Click on the products for more info

Tenio (with splitters 1:32s)

48/72/144 for cable distribution network

Tenio (with splitters 1:32s)

Typically, 5 to 10 Tenios can be networked, depending on demography

Splitter Node

Area covered is typically 32 to 96 homes connected per splitter node

MST

MST

Less than 120m

OTE

MST

OTE

MST

2 MSTs per OTE

OTE

Distribution Node

Cluster of up to 4/8/12 homes

Cluster of up to 4/8/12 homes

Cluster of up to 4/8/12 homes

Home Premises

Click on additional products below for more info

See more products:

FIST Modular Splice Closure >

Splitters >

Cables >

CONTACT COMMSCOPE

MST—most common parts

Part number	Description
MST-04MH00-A0050U	4 Port Full Size, Dielectric Cable 50 ft (15m)
MST-04MH00-A0150U	4 Port Full Size, Dielectric Cable 150 ft (45m)
MST-04MH00-A0350U	4 Port Full Size, Dielectric Cable 350 ft (106m)
MST-04MH00-A0500U	4 Port Full Size, Dielectric Cable 500 ft (152m)
MST-04MH00-A1000U	4 Port Full Size, Dielectric Cable 1000 ft (305m)
MST-08MH00-A0050U	8 Port Full Size, Dielectric Cable 50 ft (15m)
MST-08MH00-A0150U	8 Port Full Size, Dielectric Cable 150 ft (45m)
MST-08MH00-A0350U	8 Port Full Size, Dielectric Cable 350 ft (106m)
MST-08MH00-A0500U	8 Port Full Size, Dielectric Cable 500 ft (152m)
MST-08MH00-A1000U	8 Port Full Size, Dielectric Cable 1000 ft (305m)
MST-12RH00-A0050U	12 Port Full Size, Dielectric Cable 50 ft (15m)
MST-12RH00-A0150U	12 Port Full Size, Dielectric Cable 150 ft (45m)
MST-12RH00-A0350U	12 Port Full Size, Dielectric Cable 350 ft (106m)
MST-12RH00-A0500U	12 Port Full Size, Dielectric Cable 500 ft (152m)
MST-12RH00-A1000U	12 Port Full Size, Dielectric Cable 1000 ft (305m)
MST-12RH00-A2000U	12 Port Full Size, Dielectric Cable 2000 ft (610mtr)

LEARN MORE

Fibre Access Terminals brochure >>

Web page >>

CONTACT COMMSCOPE

OTE—most common parts

Part number	Description
OTE200-04MH-NN-S12-B-P	OTE 200, 4 port – Full Size, No splitter, 2 splice trays, Black, Pole Bracket
OTE-08MH-NN-000-B-03	OTE 300, 8 port – Full Size, No splitter, 2 splice trays, Black
OTE-12MH-NN-000-B-03	OTE 300, 12 port – Full Size, No splitter, 2 splice trays, Black.

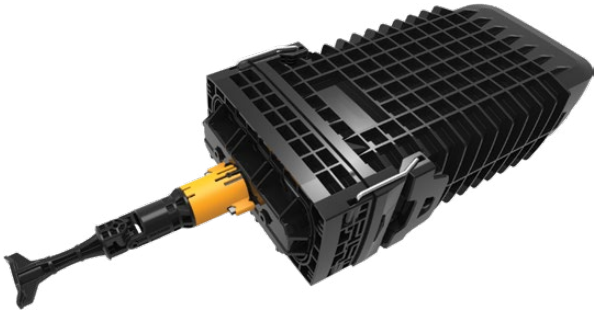
LEARN MORE

OTE portfolio brochure >>

CONTACT COMMSCOPE

Tenio—most common parts

Part number	Description
Tenio domes fully loaded with trays	
TENIO-B6-S12-12-N	Small size Tenio closure, loaded with 12 trays, 12 splices each tray.
TENIO-C6H-SLE-12-N	Large size Tenio closure, loaded with 12 trays, 24 splices each.
Cable sealings	
TENIO-SKG5-2/4	Sealing for cables between 2 and 4 mm (5 cables per sealing)
TENIO-SKG4-3/6	Sealing for cables between 3 and 6 mm (4 cables per sealing)
TENIO-SKG3-5/8	Sealing for cables between 5 and 8 mm (3 cables per sealing)
TENIO-SKG3-7/10	Sealing for cables between 7 and 10 mm (3 cables per sealing)
TENIO-SKG2-9/12	Sealing for cables between 9 and 12 mm (2 cables per sealing)
TENIO-SKG2-11/14	Sealing for cables between 11 and 14 mm (2 cables per sealing)
TENIO-SKG2-13/16	Sealing for cables between 13 and 16 mm (2 cables per sealing)
TENIO-SKG-DUMMY	Sealing for cables between 2 and 4 mm (5 cables per sealing)
CTUs (cable termination units)	
TENIO-CTU-S	Cable retention kit, used with cable seals TENIO-SKG5-2/4, TENIO-SKG4-3/6
TENIO-CTU-L	Cable retention kit, used with cable seals TENIO-SKG3-5/8, TENIO-SKG3-7/10, TENIO-SKG2-9/12, TENIO-SKG2-11/14, TENIO-SKG2-13/16, TENIO-SKG3-3/5x6/9
Mounting Bracket	
TENIO-MOBRA	Mounting bracket for wall and pole mount
External cable fixation bracket	
TENIO-EXT/CF	External cable fixation bracket



LEARN MORE

Tenio fibre closures >>

CONTACT COMMSCOPE

FIST-GCO2—most common parts

Part number	Description
FIST-GCO2 Dome closure without trays	
FIST-GCO2-BC8-NN	FIST-small-GCO2-BC8 basic closure, no valve (can be loaded up to 56 trays, 672 splices max.)
FIST-GCO2-BD8-NN	FIST-large-GCO2-BD8 Basic closure no valve (can be loaded up to 80 trays, 960 splices max.)
Splice trays	
FIST-SOSA2-8SLE-S	WGP 8UMS and 8SLE Splice trays (96 splices, 12 splices each tray)
FIST-SOSA2-4SLE-S	WGP 4UMS and 4SLE Splice tray (48 splices, 12 splices each tray)
Cable sealings	
FIST-RSKG-4F	FIST-Seal-RSKG-4F (11x6.5 Flat four cable)
FIST-RSKG-4	FIST-Seal-RSKG-4
FIST-RSKG-2	FIST-Seal-RSKG-2
FIST-RSKG-1	FIST-Seal-RSKG-1 (11-14 one cable)
FIST-OSKG	FIST-Seal OSKG Oval Seal 8-1
Mounting brackets	
FIST-MOBRA-8-FIX	UG Bracket
FIST-GCOG-POLE-KIT	Pole Bracket

LEARN MORE

FIST-GCO2 info >>

CONTACT COMMSCOPE

FIST Modular Splice closure—most common parts

Part number	Description
FIST-MSC Dome closure without trays	
FIST-MSC-C8-N	MSC dome closure C-size, no test valve. No trays (capacity for 40 trays, 480 splices)
FIST-MSC-D8-N	MSC dome closure D-size, no test valve. No trays (capacity for 72 trays, 864 splices)
FIST-MSC-E8-N	MSC dome closure E-size, no test valve. No trays (capacity for 104 trays, 1248 splices)
Splice Trays	
FIST-SOSA2-8SLE-S	WGP 8UMS and 8SLE Splice trays (96 splices, 12 splices each tray)
FIST-SOSA2-4SLE-S	WGP 4UMS and 4SLE Splice tray (48 splices, 12 splices each tray)
Cable sealings	
MSC-SKG8-1/5	Sealing kit for 8 cables of diameters between 1 and 5 mm
MSC-SKG8-4/7-11	Sealing kit for 4 cables of diameters between 4 and 11 mm
MSC-SKG3-6/14	Sealing kit for 3 cables of diameters between 6 and 14 mm
MSC-SKG2-14/18	Sealing kit for 2 cables of diameters between 14 and 18 mm
MSC-SKG2-18/22	Sealing kit for 3 cables of diameters between 18 and 22 mm
MSC-SKG1-21/27	Sealing kit for 1 cable of diameter between 21 and 27mm
MSC-SKG-DUMMY	Dummy seal
Cable retention units	
CTU-S	Cable termination unit for cables up to 7 mm
CTU-L	Cable termination unit for cables up to 16 mm
CTU-G	Cable termination unit for cables up to 27 mm
CTU-G-GRND	Cable termination unit for cables up to 27 mm, with grounding wire
Closure mounting bracket	
MSC-MOBRA	Wall/pole mounting kit
External fixation bracket	
MSC-EXT/CF	External cable/tube fixation bracket, including 8 tie wraps and 2 hose clamps

LEARN MORE

FIST Modular Splice Closure brochure >>

FIST Modular Splice Closure ordering guide >>

CONTACT COMMSCOPE

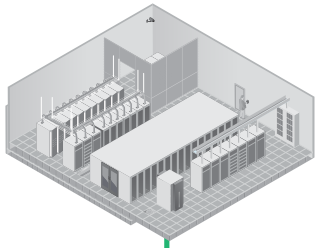
Optical splitters in closures: most common parts

Part number	Description
OCC1P-10200-NNNQNQF	Splitter 1:2 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-10400-NNNQNQF	Splitter 1:4 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-10800-NNNQNQF	Splitter 1:8 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-11600-NNNQNQF	Splitter 1:16 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-13200-NNNQNQF	Splitter 1:32 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-16400-NNNQNQF	Splitter 1:64 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
FIST-FSASA3-132-1P-S-IE05	1:32 Splitter (for FIST-GCO2 and FIST-MSC)
FIST-FSASA3-SC-116-1P-S	1:16 Splitter (for FIST-GCO2 and FIST-MSC)
FIST-FSASA3-SC-104-2P-S	1:4 Splitter (for FIST-GCO2 and FIST-MSC)

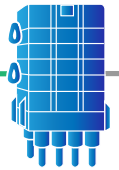
Cables: most common parts

Part number	Description
B-024-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-048-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-072-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-096-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-144-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-144-LN-8F-M24NS/17 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-192-LN-8F-M24NS17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-216-LN-8F-M24NS/17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-288-LN-8F-M24NS/17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
O-024-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-048-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-072-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-096-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-144-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-024-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-048-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-072-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-096-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-144-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
S-024-LN-8W-M06NS/NFB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 2–60 fiber Arid Core construction, stranded loose tube
S-048-LN-8W-M12NS/NFB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 2–60 fiber Arid Core construction, stranded loose tube
S-072-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube
S-096-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube
S-144-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube

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



288 or 432 for cable feeder network



FIST-GCO2

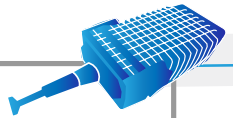
(Or FIST Modular Splice Closure)

Aggregation Node

48/72/144 for cable distribution network

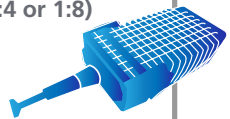
Click on the products for more info

Tenio (with splitters 1:4 or 1:8)



48/72/144 for cable distribution network

Tenio (with splitters 1:4 or 1:8)



Splitter Node

12/24 optical fiber network

Area covered is typically 32 to 96 homes connected per splitter node

OFDC (4) (with splitter 1:4)

Less than 120m

Cluster of up to 4 homes

OFDC (8) (with splitter 1:4/8)

Cluster of up to 8 homes

Typically, up to 12 OFDCs connected per Tenio closure

OFDC 12 (24 LCs) (with splitter 1:4/8/16)

Cluster of up to 16/24 homes

Distribution Node

Home Premises

Click on additional products below for more info

See more products:

FIST Modular Splice Closure >

Splitters >

Cables >

CONTACT COMMSCOPE

OFDC—most common parts

Part number	Description
OFDC-A4-S2/44-14-N-24	OFDC A4 terminal box equipped with 4 adapters and pigtails SC/APC, 1:4 splitter installed
OFDC-A4-L2/44-14-N-24	OFDC A4 terminal box equipped with 4 adapters and pigtails LC/APC, 1:4 splitter installed
OFDC-A4-L2/88-18-N-24	OFDC A4 terminal box equipped with 8 adapters and pigtails LC/APC, 1:8 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-B8G-L2/GG-1G-N-66	OFDC B8G terminal box equipped with 16 adapters and pigtails LC/APC, 1:16 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
OFDC-C12-L2/VV-1G-N-96	OFDC C12 terminal box equipped with 24 adapters and pigtails LC/APC, 1:16 splitter installed

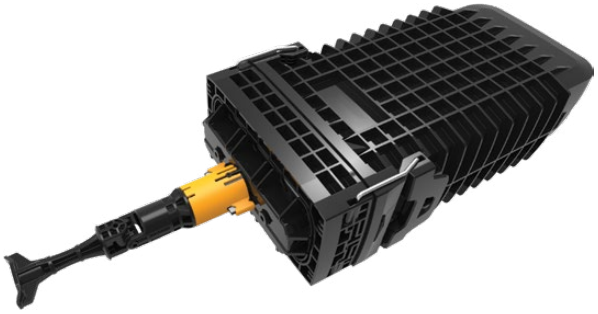
LEARN MORE

OFDC product family >>

CONTACT COMMSCOPE

Tenio—most common parts

Part number	Description
Tenio domes fully loaded with trays	
TENIO-B6-S12-12-N	Small size Tenio closure, loaded with 12 trays, 12 splices each tray.
TENIO-C6H-SLE-12-N	Large size Tenio closure, loaded with 12 trays, 24 splices each.
Cable sealings	
TENIO-SKG5-2/4	Sealing for cables between 2 and 4 mm (5 cables per sealing)
TENIO-SKG4-3/6	Sealing for cables between 3 and 6 mm (4 cables per sealing)
TENIO-SKG3-5/8	Sealing for cables between 5 and 8 mm (3 cables per sealing)
TENIO-SKG3-7/10	Sealing for cables between 7 and 10 mm (3 cables per sealing)
TENIO-SKG2-9/12	Sealing for cables between 9 and 12 mm (2 cables per sealing)
TENIO-SKG2-11/14	Sealing for cables between 11 and 14 mm (2 cables per sealing)
TENIO-SKG2-13/16	Sealing for cables between 13 and 16 mm (2 cables per sealing)
TENIO-SKG-DUMMY	Sealing for cables between 2 and 4 mm (5 cables per sealing)
CTUs (cable termination units)	
TENIO-CTU-S	Cable retention kit, used with cable seals TENIO-SKG5-2/4, TENIO-SKG4-3/6
TENIO-CTU-L	Cable retention kit, used with cable seals TENIO-SKG3-5/8, TENIO-SKG3-7/10, TENIO-SKG2-9/12, TENIO-SKG2-11/14, TENIO-SKG2-13/16, TENIO-SKG3-3/5x6/9
Mounting Bracket	
TENIO-MOBRA	Mounting bracket for wall and pole mount
External cable fixation bracket	
TENIO-EXT/CF	External cable fixation bracket



LEARN MORE

Tenio fibre closures >>

CONTACT COMMSCOPE

FIST-GCO2—most common parts

Part number	Description
FIST-GCO2 Dome closure without trays	
FIST-GCO2-BC8-NN	FIST-small-GCO2-BC8 basic closure, no valve (can be loaded up to 56 trays, 672 splices max.)
FIST-GCO2-BD8-NN	FIST-large-GCO2-BD8 Basic closure no valve (can be loaded up to 80 trays, 960 splices max.)
Splice trays	
FIST-SOSA2-8SLE-S	WGP 8UMS and 8SLE Splice trays (96 splices, 12 splices each tray)
FIST-SOSA2-4SLE-S	WGP 4UMS and 4SLE Splice tray (48 splices, 12 splices each tray)
Cable sealings	
FIST-RSKG-4F	FIST-Seal-RSKG-4F (11x6.5 Flat four cable)
FIST-RSKG-4	FIST-Seal-RSKG-4
FIST-RSKG-2	FIST-Seal-RSKG-2
FIST-RSKG-1	FIST-Seal-RSKG-1 (11-14 one cable)
FIST-OSKG	FIST-Seal OSKG Oval Seal 8-1
Mounting brackets	
FIST-MOBRA-8-FIX	UG Bracket
FIST-GCOG-POLE-KIT	Pole Bracket

LEARN MORE

FIST-GCO2 info >>

CONTACT COMMSCOPE

FIST Modular Splice closure—most common parts

Part number	Description
FIST-MSC Dome closure without trays	
FIST-MSC-C8-N	MSC dome closure C-size, no test valve. No trays (capacity for 40 trays, 480 splices)
FIST-MSC-D8-N	MSC dome closure D-size, no test valve. No trays (capacity for 72 trays, 864 splices)
FIST-MSC-E8-N	MSC dome closure E-size, no test valve. No trays (capacity for 104 trays, 1248 splices)
Splice Trays	
FIST-SOSA2-8SLE-S	WGP 8UMS and 8SLE Splice trays (96 splices, 12 splices each tray)
FIST-SOSA2-4SLE-S	WGP 4UMS and 4SLE Splice tray (48 splices, 12 splices each tray)
Cable sealings	
MSC-SKG8-1/5	Sealing kit for 8 cables of diameters between 1 and 5 mm
MSC-SKG8-4/7-11	Sealing kit for 4 cables of diameters between 4 and 11 mm
MSC-SKG3-6/14	Sealing kit for 3 cables of diameters between 6 and 14 mm
MSC-SKG2-14/18	Sealing kit for 2 cables of diameters between 14 and 18 mm
MSC-SKG2-18/22	Sealing kit for 3 cables of diameters between 18 and 22 mm
MSC-SKG1-21/27	Sealing kit for 1 cable of diameter between 21 and 27mm
MSC-SKG-DUMMY	Dummy seal
Cable retention units	
CTU-S	Cable termination unit for cables up to 7 mm
CTU-L	Cable termination unit for cables up to 16 mm
CTU-G	Cable termination unit for cables up to 27 mm
CTU-G-GRND	Cable termination unit for cables up to 27 mm, with grounding wire
Closure mounting bracket	
MSC-MOBRA	Wall/pole mounting kit
External fixation bracket	
MSC-EXT/CF	External cable/tube fixation bracket, including 8 tie wraps and 2 hose clamps

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FIST Modular Splice Closure brochure >>

FIST Modular Splice Closure ordering guide >>

CONTACT COMMSCOPE

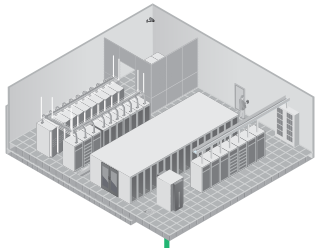
Optical splitters in closures: most common parts

Part number	Description
OCC1P-10200-NNNQNQF	Splitter 1:2 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-10400-NNNQNQF	Splitter 1:4 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-10800-NNNQNQF	Splitter 1:8 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-11600-NNNQNQF	Splitter 1:16 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-13200-NNNQNQF	Splitter 1:32 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-16400-NNNQNQF	Splitter 1:64 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
FIST-FSASA3-132-1P-S-IE05	1:32 Splitter (for FIST-GCO2 and FIST-MSC)
FIST-FSASA3-SC-116-1P-S	1:16 Splitter (for FIST-GCO2 and FIST-MSC)
FIST-FSASA3-SC-104-2P-S	1:4 Splitter (for FIST-GCO2 and FIST-MSC)

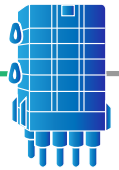
Cables: most common parts

Part number	Description
B-024-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-048-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-072-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-096-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-144-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-144-LN-8F-M24NS/17 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-192-LN-8F-M24NS17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-216-LN-8F-M24NS/17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-288-LN-8F-M24NS/17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
O-024-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-048-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-072-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-096-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-144-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-024-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-048-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-072-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-096-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-144-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
S-024-LN-8W-M06NS/NFB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 2–60 fiber Arid Core construction, stranded loose tube
S-048-LN-8W-M12NS/NFB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 2–60 fiber Arid Core construction, stranded loose tube
S-072-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube
S-096-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube
S-144-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube

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



288 or 432 for cable feeder network



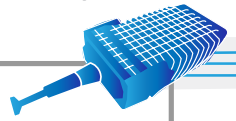
FIST-GCO2

(Or FIST Modular Splice Closure)

Aggregation Node

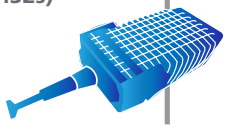
Click on the products for more info

Tenio (with splitters 1:4s or 1:8s)



48/72/144 for cable distribution network

Tenio (with splitters 1:32s)



Splitter Node

Click on additional products below for more info

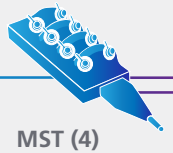
See more products:

FIST Modular Splice Closure >

Splitters >

Cables >

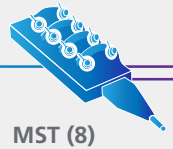
Area covered is typically 32 to 96 homes connected per splitter node



MST (4) (with splitter 1:4)

Less than 120m

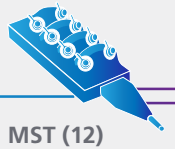
Cluster of up to 4 homes



MST (8) (with splitter 1:4/8)

Cluster of up to 8 homes

Typically, up to 12 MSTs connected per Tenio closure



MST (12) (with splitter 1:4/8)

Cluster of up to 12 homes

Distribution Node

Home Premises

CONTACT COMMSCOPE

MST—most common parts

Part number	Description
MST-M8RH00-A0050UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP, 50 mtr stub length dielectric flat cable
MST-M8RH00-A0100UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP, 100 mtr stub length dielectric flat cable
MST-M8RH00-A0150UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP,150 mtr stub length dielectric flat cable
MST-M8RH00-A0200UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP, 200 mtr stub length dielectric flat cable
MST-M8RH00-A0250UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP, 250 mtr stub length dielectric flat cable
MST-M8RH00-A0300UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP, 300 mtr stub length dielectric flat cable
MST-M8RH00-A0350UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP, 350 mtr stub length dielectric flat cable
MST-M8RH00-A0400UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP, 400 mtr stub length dielectric flat cable
MST-M8RH00-A0500UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP, 500 mtr stub length dielectric flat cable
MST-M8RH00-A0600UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP, 600 mtr stub length dielectric flat cable
MST-0JRH00-A0050UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 50UM
MST-0JRH00-A0100UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 100UM
MST-0JRH00-A0150UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 150UM
MST-0JRH00-A0200UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 200UM
MST-0JRH00-A0250UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 250UM
MST-0JRH00-A0300UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 300UM
MST-0JRH00-A0350UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 350UM
MST-0JRH00-A0400UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 400UM
MST-0JRH00-A0500UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 500UM
MST-0JRH00-A0600UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 600UM
MST-0JRHH0-A0010U	8 Port Full Size, 1:8 Splitter, Dielectric Cable 10 ft (3.3M), Full Size Connector Stub

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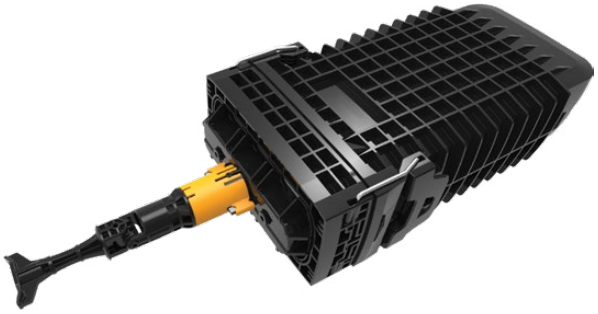
Fibre Access Terminals brochure >>

Web page >>

CONTACT COMMSCOPE

Tenio—most common parts

Part number	Description
Tenio domes fully loaded with trays	
TENIO-B6-S12-12-N	Small size Tenio closure, loaded with 12 trays, 12 splices each tray.
TENIO-C6H-SLE-12-N	Large size Tenio closure, loaded with 12 trays, 24 splices each.
Cable sealings	
TENIO-SKG5-2/4	Sealing for cables between 2 and 4 mm (5 cables per sealing)
TENIO-SKG4-3/6	Sealing for cables between 3 and 6 mm (4 cables per sealing)
TENIO-SKG3-5/8	Sealing for cables between 5 and 8 mm (3 cables per sealing)
TENIO-SKG3-7/10	Sealing for cables between 7 and 10 mm (3 cables per sealing)
TENIO-SKG2-9/12	Sealing for cables between 9 and 12 mm (2 cables per sealing)
TENIO-SKG2-11/14	Sealing for cables between 11 and 14 mm (2 cables per sealing)
TENIO-SKG2-13/16	Sealing for cables between 13 and 16 mm (2 cables per sealing)
TENIO-SKG-DUMMY	Sealing for cables between 2 and 4 mm (5 cables per sealing)
CTUs (cable termination units)	
TENIO-CTU-S	Cable retention kit, used with cable seals TENIO-SKG5-2/4, TENIO-SKG4-3/6
TENIO-CTU-L	Cable retention kit, used with cable seals TENIO-SKG3-5/8, TENIO-SKG3-7/10, TENIO-SKG2-9/12, TENIO-SKG2-11/14, TENIO-SKG2-13/16, TENIO-SKG3-3/5x6/9
Mounting Bracket	
TENIO-MOBRA	Mounting bracket for wall and pole mount
External cable fixation bracket	
TENIO-EXT/CF	External cable fixation bracket



LEARN MORE

Tenio fibre closures >>

CONTACT COMMSCOPE

FIST-GCO2—most common parts

Part number	Description
FIST-GCO2 Dome closure without trays	
FIST-GCO2-BC8-NN	FIST-small-GCO2-BC8 basic closure, no valve (can be loaded up to 56 trays, 672 splices max.)
FIST-GCO2-BD8-NN	FIST-large-GCO2-BD8 Basic closure no valve (can be loaded up to 80 trays, 960 splices max.)
Splice trays	
FIST-SOSA2-8SLE-S	WGP 8UMS and 8SLE Splice trays (96 splices, 12 splices each tray)
FIST-SOSA2-4SLE-S	WGP 4UMS and 4SLE Splice tray (48 splices, 12 splices each tray)
Cable sealings	
FIST-RSKG-4F	FIST-Seal-RSKG-4F (11x6.5 Flat four cable)
FIST-RSKG-4	FIST-Seal-RSKG-4
FIST-RSKG-2	FIST-Seal-RSKG-2
FIST-RSKG-1	FIST-Seal-RSKG-1 (11-14 one cable)
FIST-OSKG	FIST-Seal OSKG Oval Seal 8-1
Mounting brackets	
FIST-MOBRA-8-FIX	UG Bracket
FIST-GCOG-POLE-KIT	Pole Bracket

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FIST-GCO2 info >>

CONTACT COMMSCOPE

FIST Modular Splice closure—most common parts

Part number	Description
FIST-MSC Dome closure without trays	
FIST-MSC-C8-N	MSC dome closure C-size, no test valve. No trays (capacity for 40 trays, 480 splices)
FIST-MSC-D8-N	MSC dome closure D-size, no test valve. No trays (capacity for 72 trays, 864 splices)
FIST-MSC-E8-N	MSC dome closure E-size, no test valve. No trays (capacity for 104 trays, 1248 splices)
Splice Trays	
FIST-SOSA2-8SLE-S	WGP 8UMS and 8SLE Splice trays (96 splices, 12 splices each tray)
FIST-SOSA2-4SLE-S	WGP 4UMS and 4SLE Splice tray (48 splices, 12 splices each tray)
Cable sealings	
MSC-SKG8-1/5	Sealing kit for 8 cables of diameters between 1 and 5 mm
MSC-SKG8-4/7-11	Sealing kit for 4 cables of diameters between 4 and 11 mm
MSC-SKG3-6/14	Sealing kit for 3 cables of diameters between 6 and 14 mm
MSC-SKG2-14/18	Sealing kit for 2 cables of diameters between 14 and 18 mm
MSC-SKG2-18/22	Sealing kit for 3 cables of diameters between 18 and 22 mm
MSC-SKG1-21/27	Sealing kit for 1 cable of diameter between 21 and 27mm
MSC-SKG-DUMMY	Dummy seal
Cable retention units	
CTU-S	Cable termination unit for cables up to 7 mm
CTU-L	Cable termination unit for cables up to 16 mm
CTU-G	Cable termination unit for cables up to 27 mm
CTU-G-GRND	Cable termination unit for cables up to 27 mm, with grounding wire
Closure mounting bracket	
MSC-MOBRA	Wall/pole mounting kit
External fixation bracket	
MSC-EXT/CF	External cable/tube fixation bracket, including 8 tie wraps and 2 hose clamps

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FIST Modular Splice Closure ordering guide >>

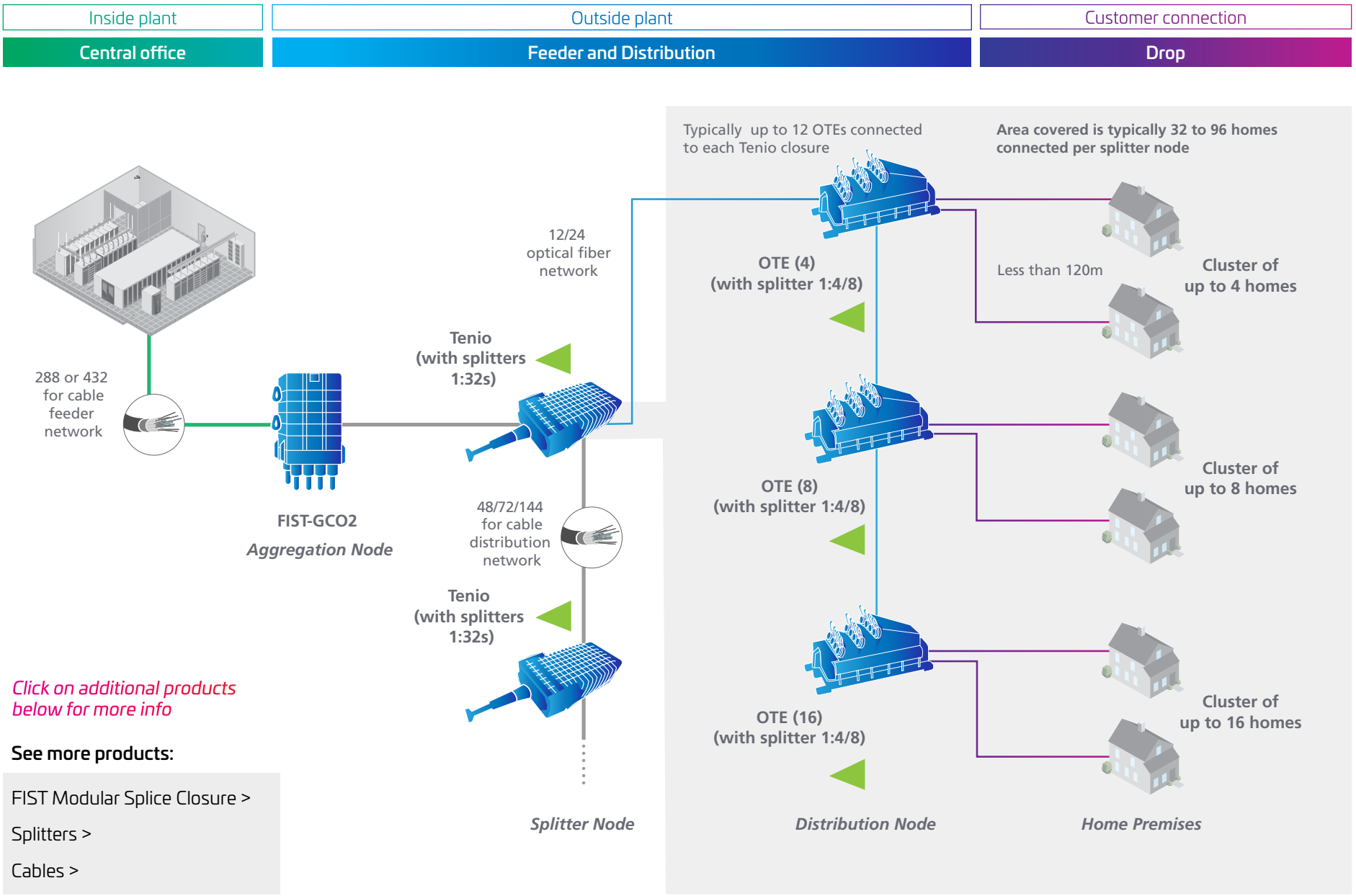
CONTACT COMMSCOPE

Optical splitters in closures: most common parts

Part number	Description
OCC1P-10200-NNNQNQF	Splitter 1:2 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-10400-NNNQNQF	Splitter 1:4 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-10800-NNNQNQF	Splitter 1:8 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-11600-NNNQNQF	Splitter 1:16 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-13200-NNNQNQF	Splitter 1:32 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-16400-NNNQNQF	Splitter 1:64 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
FIST-FSASA3-132-1P-S-IE05	1:32 Splitter (for FIST-GCO2 and FIST-MSC)
FIST-FSASA3-SC-116-1P-S	1:16 Splitter (for FIST-GCO2 and FIST-MSC)
FIST-FSASA3-SC-104-2P-S	1:4 Splitter (for FIST-GCO2 and FIST-MSC)

Cables: most common parts

Part number	Description
B-024-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-048-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-072-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-096-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-144-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-144-LN-8F-M24NS/17 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-192-LN-8F-M24NS17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-216-LN-8F-M24NS/17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-288-LN-8F-M24NS/17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
O-024-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-048-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-072-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-096-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-144-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-024-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-048-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-072-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-096-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-144-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
S-024-LN-8W-M06NS/NFB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 2–60 fiber Arid Core construction, stranded loose tube
S-048-LN-8W-M12NS/NFB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 2–60 fiber Arid Core construction, stranded loose tube
S-072-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube
S-096-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube
S-144-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube



Click on additional products below for more info

See more products:

FIST Modular Splice Closure >

Splitters >

Cables >

CONTACT COMMSCOPE

OTE—most common parts

Part number	Description
OTE-12MH-18-EXTG03-UK12	OTE-12MH-18-EXTG03-UK12: 12 Port Full Size, 1:8 Splitter + 4 Ports PtP
OTE-08MH-18-EXTG03-US23	OTE 300, 8 port - full size, 1:8 PLC splitter, External Ground, 3 trays - Black
OTE210-08MH-18-S12-G-W	OTE210, 8 Port Full Size, 1:8 splitter, 12 smouv splice trays, grey, wall mount.
OTE200-06MH-18-S12-B-W	OTE 200, 6 port - Full Size, 1:8 PLC splitter, 12 posn splice tray, Black, Wall Bracket

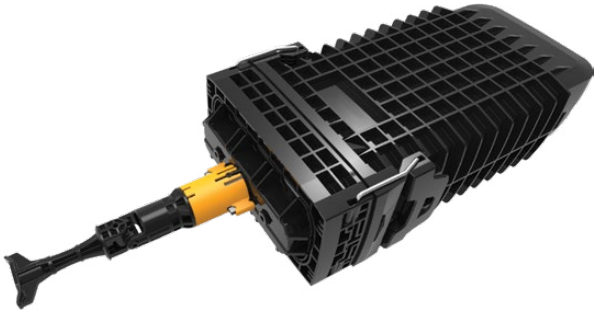
LEARN MORE

OTE portfolio brochure >>

CONTACT COMMSCOPE

Tenio—most common parts

Part number	Description
Tenio domes fully loaded with trays	
TENIO-B6-S12-12-N	Small size Tenio closure, loaded with 12 trays, 12 splices each tray.
TENIO-C6H-SLE-12-N	Large size Tenio closure, loaded with 12 trays, 24 splices each.
Cable sealings	
TENIO-SKG5-2/4	Sealing for cables between 2 and 4 mm (5 cables per sealing)
TENIO-SKG4-3/6	Sealing for cables between 3 and 6 mm (4 cables per sealing)
TENIO-SKG3-5/8	Sealing for cables between 5 and 8 mm (3 cables per sealing)
TENIO-SKG3-7/10	Sealing for cables between 7 and 10 mm (3 cables per sealing)
TENIO-SKG2-9/12	Sealing for cables between 9 and 12 mm (2 cables per sealing)
TENIO-SKG2-11/14	Sealing for cables between 11 and 14 mm (2 cables per sealing)
TENIO-SKG2-13/16	Sealing for cables between 13 and 16 mm (2 cables per sealing)
TENIO-SKG-DUMMY	Sealing for cables between 2 and 4 mm (5 cables per sealing)
CTUs (cable termination units)	
TENIO-CTU-S	Cable retention kit, used with cable seals TENIO-SKG5-2/4, TENIO-SKG4-3/6
TENIO-CTU-L	Cable retention kit, used with cable seals TENIO-SKG3-5/8, TENIO-SKG3-7/10, TENIO-SKG2-9/12, TENIO-SKG2-11/14, TENIO-SKG2-13/16, TENIO-SKG3-3/5x6/9
Mounting Bracket	
TENIO-MOBRA	Mounting bracket for wall and pole mount
External cable fixation bracket	
TENIO-EXT/CF	External cable fixation bracket



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Tenio fibre closures >>

CONTACT COMMSCOPE

FIST-GCO2—most common parts

Part number	Description
FIST-GCO2 Dome closure without trays	
FIST-GCO2-BC8-NN	FIST-small-GCO2-BC8 basic closure, no valve (can be loaded up to 56 trays, 672 splices max.)
FIST-GCO2-BD8-NN	FIST-large-GCO2-BD8 Basic closure no valve (can be loaded up to 80 trays, 960 splices max.)
Splice trays	
FIST-SOSA2-8SLE-S	WGP 8UMS and 8SLE Splice trays (96 splices, 12 splices each tray)
FIST-SOSA2-4SLE-S	WGP 4UMS and 4SLE Splice tray (48 splices, 12 splices each tray)
Cable sealings	
FIST-RSKG-4F	FIST-Seal-RSKG-4F (11x6.5 Flat four cable)
FIST-RSKG-4	FIST-Seal-RSKG-4
FIST-RSKG-2	FIST-Seal-RSKG-2
FIST-RSKG-1	FIST-Seal-RSKG-1 (11-14 one cable)
FIST-OSKG	FIST-Seal OSKG Oval Seal 8-1
Mounting brackets	
FIST-MOBRA-8-FIX	UG Bracket
FIST-GCOG-POLE-KIT	Pole Bracket

LEARN MORE

FIST-GCO2 info >>

CONTACT COMMSCOPE

FIST Modular Splice closure—most common parts

Part number	Description
FIST-MSC Dome closure without trays	
FIST-MSC-C8-N	MSC dome closure C-size, no test valve. No trays (capacity for 40 trays, 480 splices)
FIST-MSC-D8-N	MSC dome closure D-size, no test valve. No trays (capacity for 72 trays, 864 splices)
FIST-MSC-E8-N	MSC dome closure E-size, no test valve. No trays (capacity for 104 trays, 1248 splices)
Splice Trays	
FIST-SOSA2-8SLE-S	WGP 8UMS and 8SLE Splice trays (96 splices, 12 splices each tray)
FIST-SOSA2-4SLE-S	WGP 4UMS and 4SLE Splice tray (48 splices, 12 splices each tray)
Cable sealings	
MSC-SKG8-1/5	Sealing kit for 8 cables of diameters between 1 and 5 mm
MSC-SKG8-4/7-11	Sealing kit for 4 cables of diameters between 4 and 11 mm
MSC-SKG3-6/14	Sealing kit for 3 cables of diameters between 6 and 14 mm
MSC-SKG2-14/18	Sealing kit for 2 cables of diameters between 14 and 18 mm
MSC-SKG2-18/22	Sealing kit for 3 cables of diameters between 18 and 22 mm
MSC-SKG1-21/27	Sealing kit for 1 cable of diameter between 21 and 27mm
MSC-SKG-DUMMY	Dummy seal
Cable retention units	
CTU-S	Cable termination unit for cables up to 7 mm
CTU-L	Cable termination unit for cables up to 16 mm
CTU-G	Cable termination unit for cables up to 27 mm
CTU-G-GRND	Cable termination unit for cables up to 27 mm, with grounding wire
Closure mounting bracket	
MSC-MOBRA	Wall/pole mounting kit
External fixation bracket	
MSC-EXT/CF	External cable/tube fixation bracket, including 8 tie wraps and 2 hose clamps

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FIST Modular Splice Closure brochure >>

FIST Modular Splice Closure ordering guide >>

CONTACT COMMSCOPE

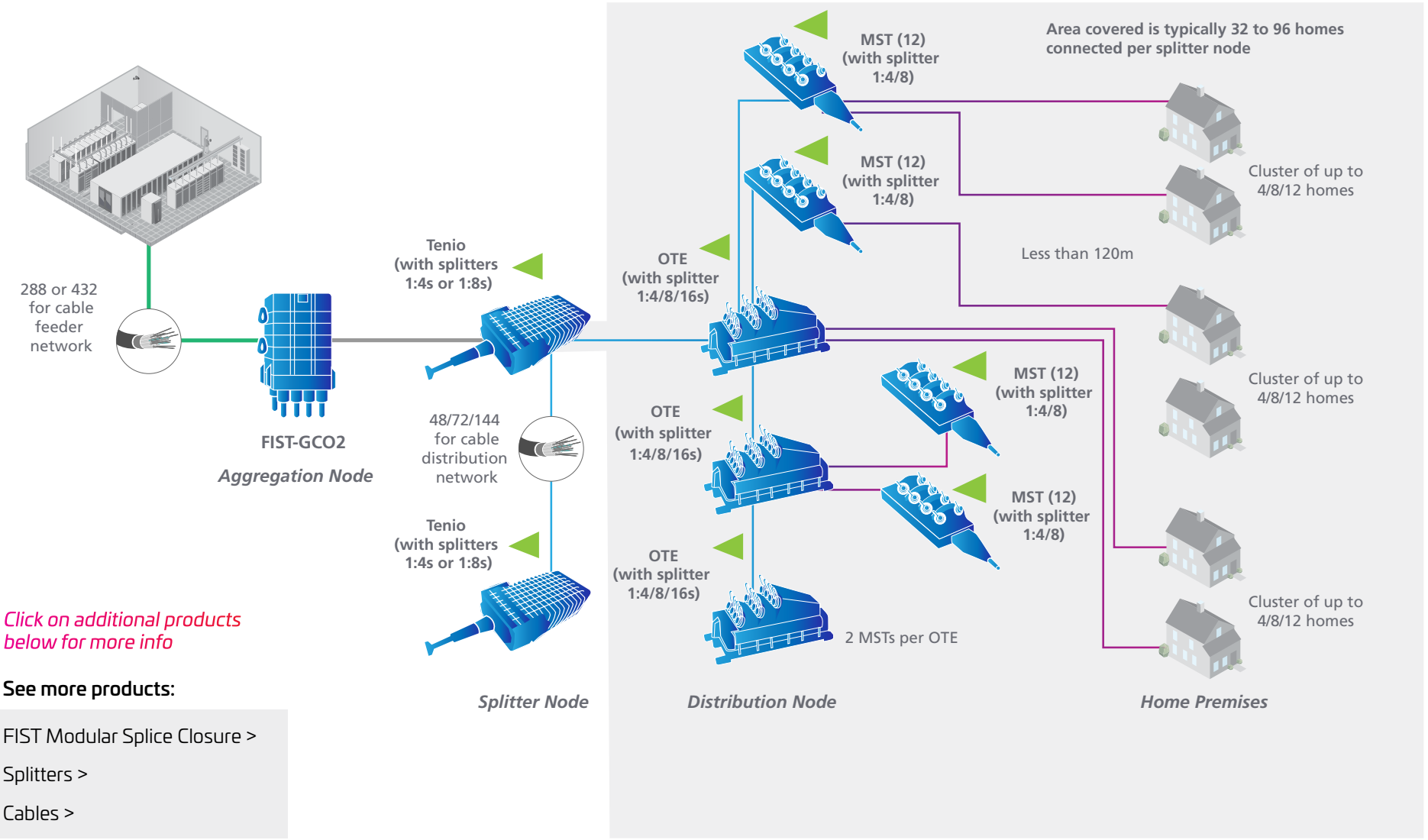
Optical splitters in closures: most common parts

Part number	Description
OCC1P-10200-NNNQNQF	Splitter 1:2 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-10400-NNNQNQF	Splitter 1:4 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-10800-NNNQNQF	Splitter 1:8 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-11600-NNNQNQF	Splitter 1:16 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-13200-NNNQNQF	Splitter 1:32 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-16400-NNNQNQF	Splitter 1:64 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
FIST-FSASA3-132-1P-S-IE05	1:32 Splitter (for FIST-GCO2 and FIST-MSC)
FIST-FSASA3-SC-116-1P-S	1:16 Splitter (for FIST-GCO2 and FIST-MSC)
FIST-FSASA3-SC-104-2P-S	1:4 Splitter (for FIST-GCO2 and FIST-MSC)

Cables: most common parts

Part number	Description
B-024-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-048-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-072-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-096-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-144-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-144-LN-8F-M24NS/17 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-192-LN-8F-M24NS17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-216-LN-8F-M24NS/17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-288-LN-8F-M24NS/17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
O-024-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-048-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-072-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-096-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-144-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-024-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-048-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-072-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-096-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-144-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
S-024-LN-8W-M06NS/NFB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 2–60 fiber Arid Core construction, stranded loose tube
S-048-LN-8W-M12NS/NFB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 2–60 fiber Arid Core construction, stranded loose tube
S-072-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube
S-096-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube
S-144-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube

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



Click on additional products below for more info

See more products:

FIST Modular Splice Closure >

Splitters >

Cables >

CONTACT COMMSCOPE

MST—most common parts

Part number	Description
MST-M8RH00-A0050UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP, 50 mtr stub length dielectric flat cable
MST-M8RH00-A0100UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP, 100 mtr stub length dielectric flat cable
MST-M8RH00-A0150UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP,150 mtr stub length dielectric flat cable
MST-M8RH00-A0200UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP, 200 mtr stub length dielectric flat cable
MST-M8RH00-A0250UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP, 250 mtr stub length dielectric flat cable
MST-M8RH00-A0300UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP, 300 mtr stub length dielectric flat cable
MST-M8RH00-A0350UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP, 350 mtr stub length dielectric flat cable
MST-M8RH00-A0400UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP, 400 mtr stub length dielectric flat cable
MST-M8RH00-A0500UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP, 500 mtr stub length dielectric flat cable
MST-M8RH00-A0600UM	MST Multiuse - 1x 1:8 splitter and 4 ports PtP, 600 mtr stub length dielectric flat cable
MST-0JRH00-A0050UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 50UM
MST-0JRH00-A0100UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 100UM
MST-0JRH00-A0150UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 150UM
MST-0JRH00-A0200UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 200UM
MST-0JRH00-A0250UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 250UM
MST-0JRH00-A0300UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 300UM
MST-0JRH00-A0350UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 350UM
MST-0JRH00-A0400UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 400UM
MST-0JRH00-A0500UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 500UM
MST-0JRH00-A0600UM	8 Port Full Size, 1:8 Splitter, Dielectric Cable 600UM
MST-0JRHH0-A0010U	8 Port Full Size, 1:8 Splitter, Dielectric Cable 10 ft (3.3M), Full Size Connector Stub

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Fibre Access Terminals brochure >>

Web page >>

CONTACT COMMSCOPE

OTE—most common parts

Part number	Description
OTE-12MH-18-EXTG03-UK12	OTE-12MH-18-EXTG03-UK12: 12 Port Full Size, 1:8 Splitter + 4 Ports PtP
OTE-08MH-18-EXTG03-US23	OTE 300, 8 port - full size, 1:8 PLC splitter, External Ground, 3 trays - Black
OTE210-08MH-18-S12-G-W	OTE210, 8 Port Full Size, 1:8 splitter, 12 smouv splice trays, grey, wall mount.
OTE200-06MH-18-S12-B-W	OTE 200, 6 port - Full Size, 1:8 PLC splitter, 12 posn splice tray, Black, Wall Bracket

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OTE portfolio brochure >>

CONTACT COMMSCOPE

Tenio—most common parts

Part number	Description
Tenio domes fully loaded with trays	
TENIO-B6-S12-12-N	Small size Tenio closure, loaded with 12 trays, 12 splices each tray.
TENIO-C6H-SLE-12-N	Large size Tenio closure, loaded with 12 trays, 24 splices each.
Cable sealings	
TENIO-SKG5-2/4	Sealing for cables between 2 and 4 mm (5 cables per sealing)
TENIO-SKG4-3/6	Sealing for cables between 3 and 6 mm (4 cables per sealing)
TENIO-SKG3-5/8	Sealing for cables between 5 and 8 mm (3 cables per sealing)
TENIO-SKG3-7/10	Sealing for cables between 7 and 10 mm (3 cables per sealing)
TENIO-SKG2-9/12	Sealing for cables between 9 and 12 mm (2 cables per sealing)
TENIO-SKG2-11/14	Sealing for cables between 11 and 14 mm (2 cables per sealing)
TENIO-SKG2-13/16	Sealing for cables between 13 and 16 mm (2 cables per sealing)
TENIO-SKG-DUMMY	Sealing for cables between 2 and 4 mm (5 cables per sealing)
CTUs (cable termination units)	
TENIO-CTU-S	Cable retention kit, used with cable seals TENIO-SKG5-2/4, TENIO-SKG4-3/6
TENIO-CTU-L	Cable retention kit, used with cable seals TENIO-SKG3-5/8, TENIO-SKG3-7/10, TENIO-SKG2-9/12, TENIO-SKG2-11/14, TENIO-SKG2-13/16, TENIO-SKG3-3/5x6/9
Mounting Bracket	
TENIO-MOBRA	Mounting bracket for wall and pole mount
External cable fixation bracket	
TENIO-EXT/CF	External cable fixation bracket

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Tenio fibre closures >>

CONTACT COMMSCOPE

FIST-GCO2—most common parts

Part number	Description
FIST-GCO2 Dome closure without trays	
FIST-GCO2-BC8-NN	FIST-small-GCO2-BC8 basic closure, no valve (can be loaded up to 56 trays, 672 splices max.)
FIST-GCO2-BD8-NN	FIST-large-GCO2-BD8 Basic closure no valve (can be loaded up to 80 trays, 960 splices max.)
Splice trays	
FIST-SOSA2-8SLE-S	WGP 8UMS and 8SLE Splice trays (96 splices, 12 splices each tray)
FIST-SOSA2-4SLE-S	WGP 4UMS and 4SLE Splice tray (48 splices, 12 splices each tray)
Cable sealings	
FIST-RSKG-4F	FIST-Seal-RSKG-4F (11x6.5 Flat four cable)
FIST-RSKG-4	FIST-Seal-RSKG-4
FIST-RSKG-2	FIST-Seal-RSKG-2
FIST-RSKG-1	FIST-Seal-RSKG-1 (11-14 one cable)
FIST-OSKG	FIST-Seal OSKG Oval Seal 8-1
Mounting brackets	
FIST-MOBRA-8-FIX	UG Bracket
FIST-GCOG-POLE-KIT	Pole Bracket

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FIST-GCO2 info >>

CONTACT COMMSCOPE

FIST Modular Splice closure—most common parts

Part number	Description
FIST-MSC Dome closure without trays	
FIST-MSC-C8-N	MSC dome closure C-size, no test valve. No trays (capacity for 40 trays, 480 splices)
FIST-MSC-D8-N	MSC dome closure D-size, no test valve. No trays (capacity for 72 trays, 864 splices)
FIST-MSC-E8-N	MSC dome closure E-size, no test valve. No trays (capacity for 104 trays, 1248 splices)
Splice Trays	
FIST-SOSA2-8SLE-S	WGP 8UMS and 8SLE Splice trays (96 splices, 12 splices each tray)
FIST-SOSA2-4SLE-S	WGP 4UMS and 4SLE Splice tray (48 splices, 12 splices each tray)
Cable sealings	
MSC-SKG8-1/5	Sealing kit for 8 cables of diameters between 1 and 5 mm
MSC-SKG8-4/7-11	Sealing kit for 4 cables of diameters between 4 and 11 mm
MSC-SKG3-6/14	Sealing kit for 3 cables of diameters between 6 and 14 mm
MSC-SKG2-14/18	Sealing kit for 2 cables of diameters between 14 and 18 mm
MSC-SKG2-18/22	Sealing kit for 3 cables of diameters between 18 and 22 mm
MSC-SKG1-21/27	Sealing kit for 1 cable of diameter between 21 and 27mm
MSC-SKG-DUMMY	Dummy seal
Cable retention units	
CTU-S	Cable termination unit for cables up to 7 mm
CTU-L	Cable termination unit for cables up to 16 mm
CTU-G	Cable termination unit for cables up to 27 mm
CTU-G-GRND	Cable termination unit for cables up to 27 mm, with grounding wire
Closure mounting bracket	
MSC-MOBRA	Wall/pole mounting kit
External fixation bracket	
MSC-EXT/CF	External cable/tube fixation bracket, including 8 tie wraps and 2 hose clamps

FIST Modular Splice Closure brochure >>

FIST Modular Splice Closure ordering guide >>

CONTACT COMMSCOPE

Optical splitters in closures: most common parts

Part number	Description
OCC1P-10200-NNNQNQF	Splitter 1:2 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-10400-NNNQNQF	Splitter 1:4 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-10800-NNNQNQF	Splitter 1:8 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-11600-NNNQNQF	Splitter 1:16 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-13200-NNNQNQF	Splitter 1:32 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
OCC1P-16400-NNNQNQF	Splitter 1:64 plc, 250um, unterminated (for Tenio, FIST-GCO2 and FIST-MSC)
FIST-FSASA3-132-1P-S-IE05	1:32 Splitter (for FIST-GCO2 and FIST-MSC)
FIST-FSASA3-SC-116-1P-S	1:16 Splitter (for FIST-GCO2 and FIST-MSC)
FIST-FSASA3-SC-104-2P-S	1:4 Splitter (for FIST-GCO2 and FIST-MSC)

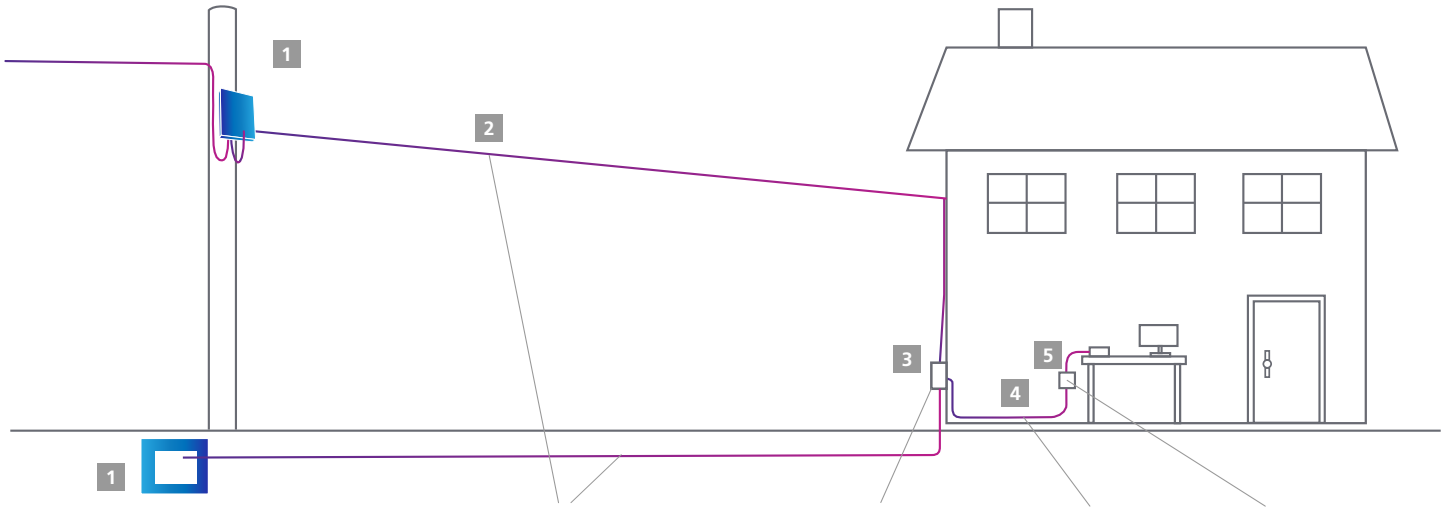
Cables: most common parts

Part number	Description
B-024-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-048-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-072-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-096-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-144-LN-8W-M12NS/15G	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable
B-144-LN-8F-M24NS/17 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-192-LN-8F-M24NS17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-216-LN-8F-M24NS/17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
B-288-LN-8F-M24NS/17T 200	LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core® Construction Cable
O-024-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-048-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-072-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-096-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-144-LN-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket All-Dielectric Outdoor Cable, 2–144 fiber Arid Core construction, stranded loose tube
O-024-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-048-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-072-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-096-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
O-144-LA-8W-M12NS/20G/BK	LightScope ZWP® Mini Single Jacket/Single Armor, Gel-Filled, Outdoor Stranded Loose Tube Cable
S-024-LN-8W-M06NS/NFB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 2–60 fiber Arid Core construction, stranded loose tube
S-048-LN-8W-M12NS/NFB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 2–60 fiber Arid Core construction, stranded loose tube
S-072-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube
S-096-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube
S-144-LN-8W-M12NS/MHB	LightScope ZWP® All-Dielectric Self-Supporting Outdoor Cable, 6–144 fiber Arid Core construction, stranded loose tube

SFU drop network topologies

Outside plant | Customer connection

Feeder and Distribution | Drop | Drop Premises



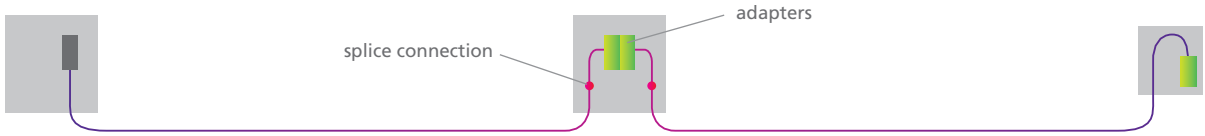
Distribution box
OFDC

Outdoor drop cable
Preconnectorized in distribution box (1), spliced or terminated in demarcation box (3)

Demarcation box
Termination or splice

Indoor drop cable
Can be preconnectorized or spliced at one or both sides

Wall outlet
HFTP



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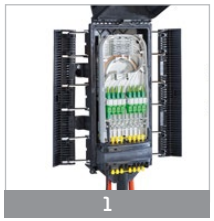
1
Distribution box OFDC

2
Outdoor drop cable

3
Demarcation box

4
Indoor drop cable

5
HFTP wall outlet

CONTACT COMMSCOPE

Most common parts

Part number	Description
Universal outdoor drop cable	
FHD-J01J-0100F	Universal drop cable, connectorized one end in SC/APC, and stub the other end, 5mm round dielectric, 100 feet
FHD-J01J-0150F	Universal drop cable, connectorized one end in SC/APC, and stub the other end, 5mm round dielectric, 150 feet
FHD-J01J-0300F	Universal drop cable, connectorized one end in SC/APC, and stub the other end, 5mm round dielectric, 300 feet
FHD-J01J-0600F	Universal drop cable, connectorized one end in SC/APC, and stub the other end, 5mm round dielectric, 600 feet
Demarcation Box	
CO-WMFE-FTTX-CLIP-XXX-KIT	Transition Box

Universal outdoor drop cable

Demarcation box

Most common parts

Part number	Description
Indoor drop cables	
FID-SG-020M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 20m
FID-SG-030M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 30m
FID-SG-040M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 40m
FID-SG-050M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 50m
FID-SG-060M-01E	Indoor drop cable, pigtail,G657A2 3mm 1xSC/APC 60m
FID-SG-080M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 80m
FID-SG-100M-01E	Indoor drop cable, pigtail,sG657A2 3mm 1xSC/APC 100m
HFTP wall outlet	
HFTP-N0-S211-E	Wall outlet equipped with 1 adapter and 1 pigtail SC/APC
HFTP-N0-S222-E	Wall outlet equipped with 2 adapters and 2 pigtails SC/APC

Indoor drop cable

HFTP wall outlet

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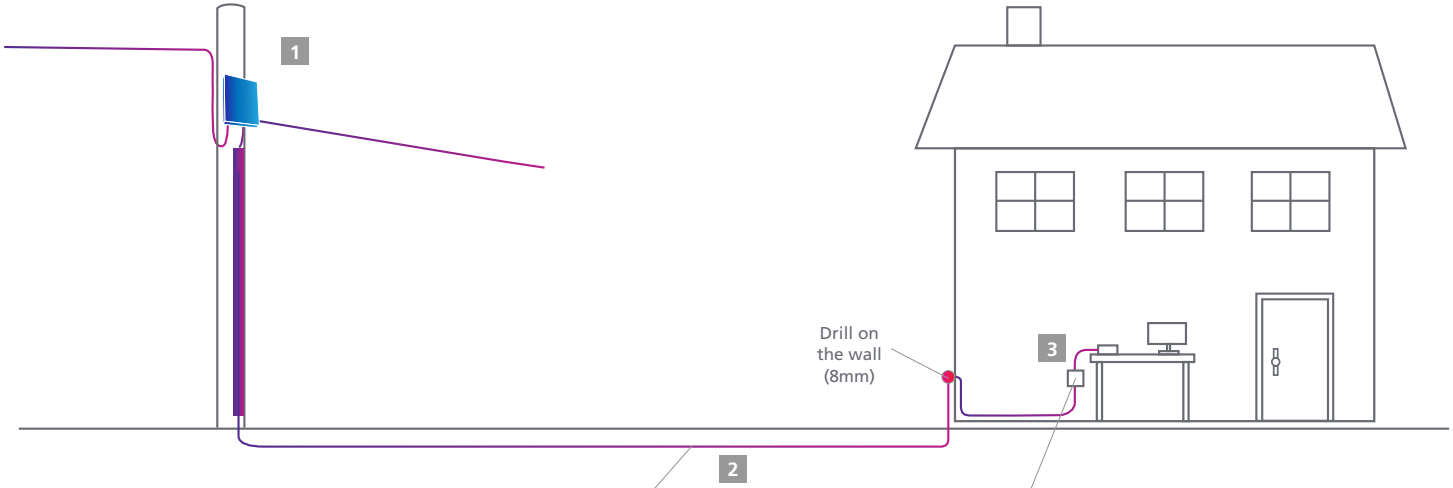
CONTACT COMMSCOPE

Outside plant | Customer connection

Feeder and Distribution | Drop | Drop Premises



Distribution box

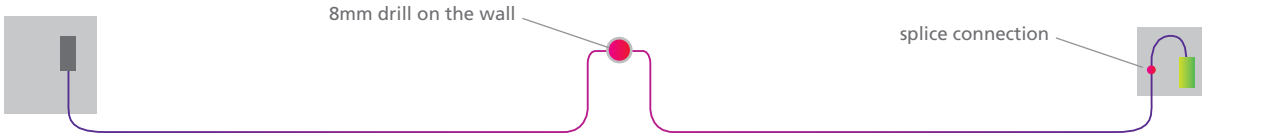
OFDC

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 DP to Outlet till outlet in living room
Test point is in DP

Wall outlet

HFTP



Click on products with white arrow for more info

1

Distribution box OFDC

2

Universal outdoor drop cable

3

Outlet—standard HFTP

CONTACT COMMSCOPE

Most common parts

Part number	Description
Universal outdoor drop cable	
FHD-J01J-0100F	Universal drop cable, connectorized one end in SC/APC, and stub the other end, 5mm round dielectric, 100 feet
FHD-J01J-0150F	Universal drop cable, connectorized one end in SC/APC, and stub the other end, 5mm round dielectric, 150 feet
FHD-J01J-0300F	Universal drop cable, connectorized one end in SC/APC, and stub the other end, 5mm round dielectric, 300 feet
FHD-J01J-0600F	Universal drop cable, connectorized one end in SC/APC, and stub the other end, 5mm round dielectric, 600 feet
HFTP wall outlet	
HFTP-N0-S211-E	Wall outlet equipped with 1 adapter and 1 pigtail SC/APC
HFTP-N0-S222-E	Wall outlet equipped with 2 adapters and 2 pigtails SC/APC

Universal outdoor drop cable

HFTP wall outlet

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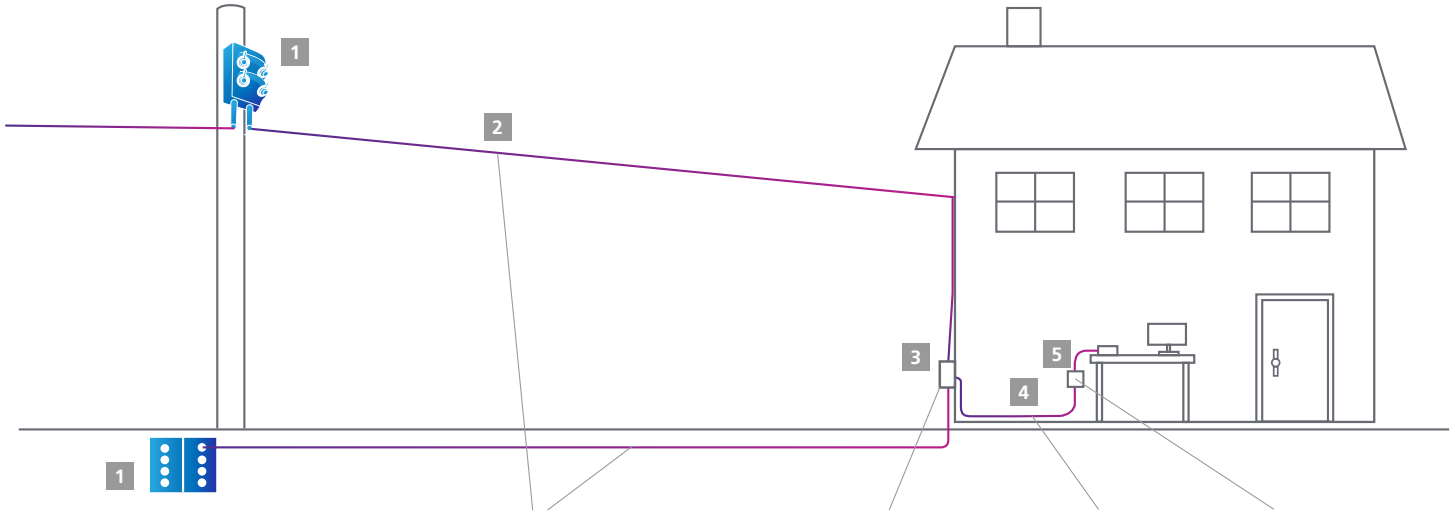
Fibre Drop Cable Solutions brochure >>

CONTACT COMMSCOPE

Outside plant | Customer connection

Feeder and Distribution | Drop | Drop Premises



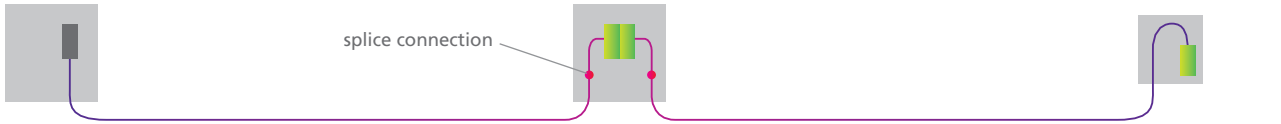
Distribution box
Hardened (MST or OTE)

Outdoor drop cable
Hardened preconnectorized in terminal box side (1), stub in Demarcation box (3) side (same cable underground or overhead)

Demarcation box
Termination or splice

Indoor drop cable

Wall outlet
HFTP



Click on products with white arrow for more info

1
MST or OTE

2
Outdoor drop cable

3
Demarcation box

4
Indoor drop cable

5
HFTP wall outlet

CONTACT COMMSCOPE

Most common parts

Part number	Description
Outdoor dielectric drop cables	
FHD-H01K-0030M	Drop cable, 5mm diameter, suitable for aerial and underground, connectorized FullSize hardened in one side and stub in the other side, 30 meters long
FHD-H01K-0080M	Drop cable, 5mm diameter, suitable for aerial and underground, connectorized FullSize hardened in one side and stub in the other side, 80 meters long
FHD-H01K-0150M	Drop cable, 5mm diameter, suitable for aerial and underground, connectorized FullSize hardened in one side and stub in the other side, 150 meters long
FHD-H01K-0220M	Drop cable, 5mm diameter, suitable for aerial and underground, connectorized FullSize hardened in one side and stub in the other side, 220 meters long
FHD-H01V-0030M	EasyAccess Drop cable, 5mm diameter, suitable for aerial and underground, connectorized FullSize hardened in one side and stub in the other side, 30 meters long
FHD-H01V-0080M	EasyAccess Drop cable, 5mm diameter, suitable for aerial and underground, connectorized FullSize hardened in one side and stub in the other side, 80 meters long
FHD-H01V-0150M	EasyAccess Drop cable, 5mm diameter, suitable for aerial and underground, connectorized FullSize hardened in one side and stub in the other side, 150 meters long
FHD-H01V-0220M	EasyAccess Drop cable, 5mm diameter, suitable for aerial and underground, connectorized FullSize hardened in one side and stub in the other side, 220 meters long
Demarcation Box	
CO-WMFE-FTTX-CLIP-XXX-KIT	Transition Box

Outdoor drop cable

Demarcation box

LEARN MORE

Fibre Drop Cable Solutions brochure >>

CONTACT COMMSCOPE

Most common parts

Part number	Description
Indoor drop cables	
FID-SG-020M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 20m
FID-SG-030M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 30m
FID-SG-040M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 40m
FID-SG-050M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 50m
FID-SG-060M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 60m
FID-SG-080M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 80m
FID-SG-100M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 100m
HFTP wall outlet	
HFTP-N0-S211-E	Wall outlet equipped with 1 adapter and 1 pigtail SC/APC
HFTP-N0-S222-E	Wall outlet equipped with 2 adapters and 2 pigtails SC/APC

Indoor drop cable

HFTP wall outlet

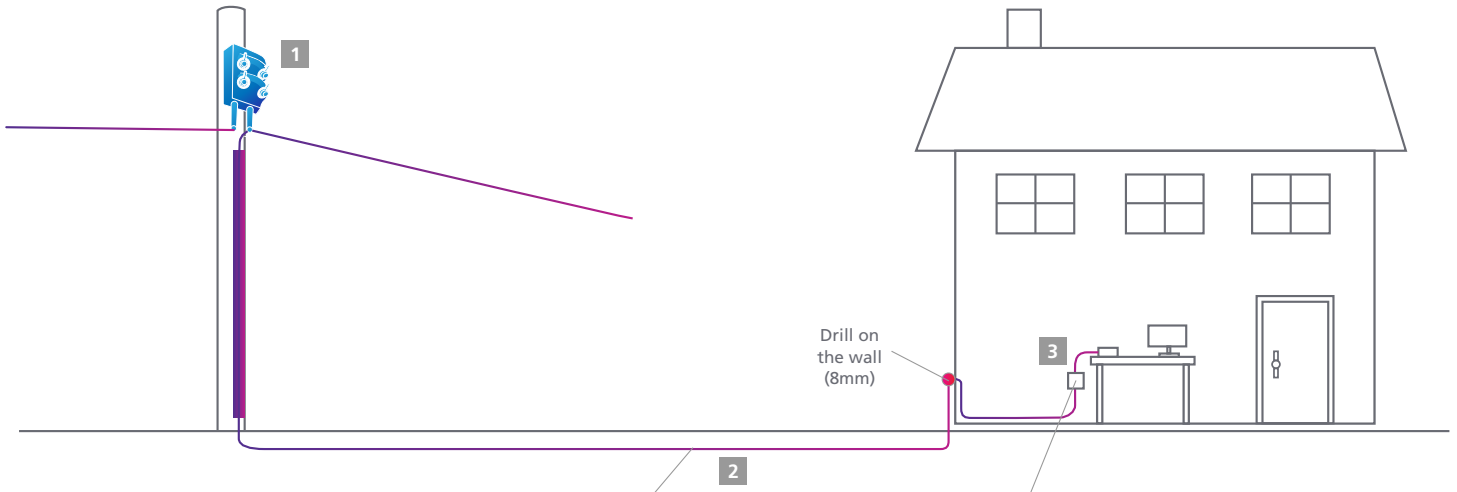
LEARN MORE

Fibre Drop Cable Solutions brochure >>

CONTACT COMMSCOPE

Outside plant | Customer connection

Feeder and Distribution | **Drop** | **Drop Premises**



Distribution box

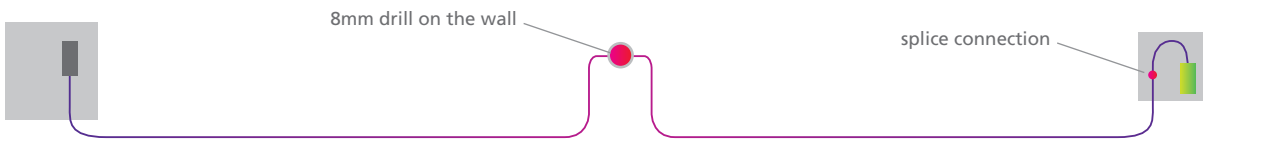
MST or OTE

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 DP to Outlet till outlet in living room
Test point is in DP

Wall outlet

HFTP



Click on products with white arrow for more info

1

MST or OTE

2

Universal outdoor drop cable

3

Outlet—standard HFTP

CONTACT COMMSCOPE

Most common parts

Part number	Description
Universal outdoor drop cable	
FHD-H01J-0050F	Universal drop, connectorized in one end full size hardened and other end in stub, 50 feet long
FHD-H01J-0100F	Universal drop, connectorized in one end full size hardened and other end in stub, 100 feet long
FHD-H01J-0150F	Universal drop, connectorized in one end full size hardened and other end in stub, 150 feet long
FHD-H01J-0200F	Universal drop, connectorized in one end full size hardened and other end in stub, 200 feet long
HFTP wall outlet	
HFTP-N0-S211-E	Wall outlet equipped with 1 adapter and 1 pigtail SC/APC
HFTP-N0-S222-E	Wall outlet equipped with 2 adapters and 2 pigtails SC/APC

Universal outdoor drop cable

HFTP wall outlet

LEARN MORE

Fibre Drop Cable Solutions brochure >>

CONTACT COMMSCOPE

MDU drop network topologies

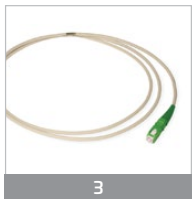
Customer connection

Home Premises

Click on products for more info

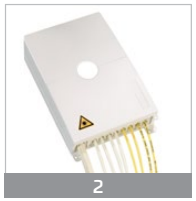
4

Wall outlet HFTP



3

Indoor drop cable

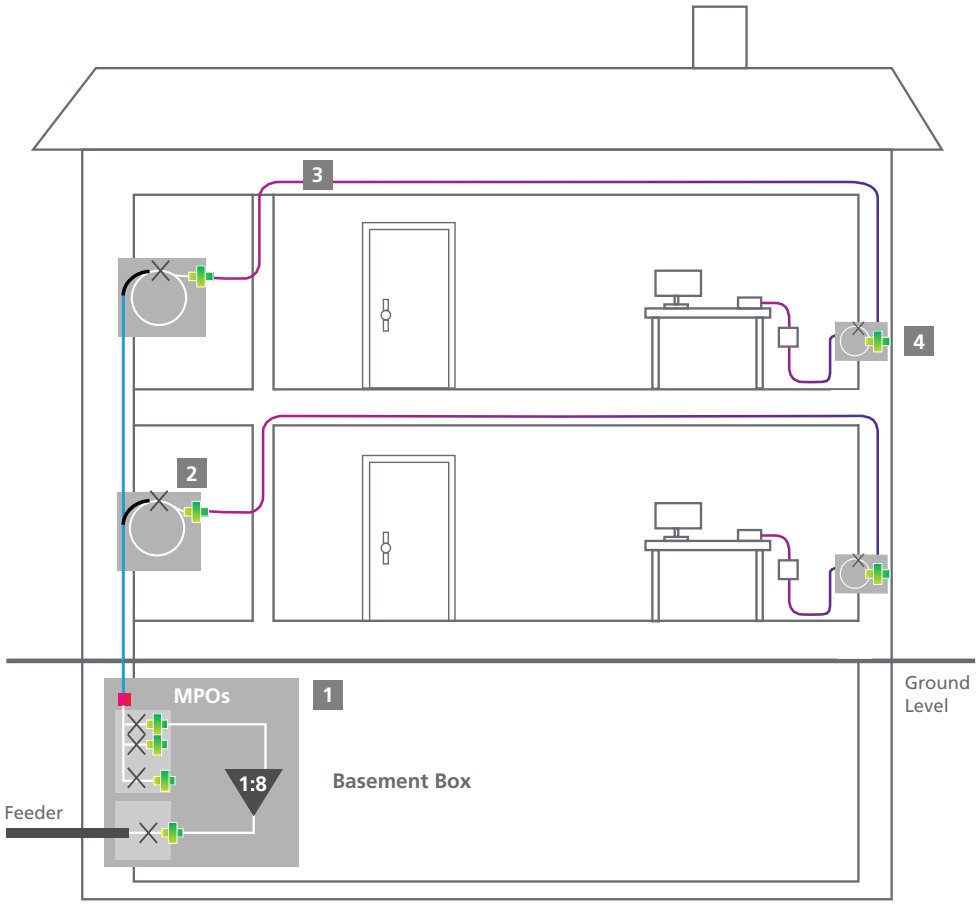


2

Floor Box (IFDB-M)

1

Basement box



CONTACT COMMSCOPE

Most common parts

Part number	Description
BUDI basement terminal box	
BUDI-2S-T-04S2ES	ODP 4 SC/APC ports (internal)
BUDI-2S-T-08S2ES	ODP 8 SC/APC ports (internal)
BUDI-1S-T-A-12S232ES BUDI-S-PTS BUDI-S-SEAL-4x15	ODP 12 SC/APC ports (internal)
Floor box—IFDB-M	
IFDB-M-SX2/8-U-NN-2-ES0	Floor distribution box, SC/APC ports
Indoor drop cables	
FID-SG-020M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 20m
FID-SG-030M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 30m
FID-SG-040M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 40m
FID-SG-050M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 50m
FID-SG-060M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 60m
FID-SG-080M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 80m
FID-SG-100M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 100m
HFTP wall outlet	
HFTP-N0-S211-E	Wall outlet equipped with 1 adapter and 1 pigtail SC/APC
HFTP-N0-S222-E	Wall outlet equipped with 2 adapters and 2 pigtails SC/APC

Basement box

Floor box—IFDB-M

Indoor drop cables

HFTP wall outlet

LEARN MORE

BUDI brochure >>

Fibre Drop Cable Solutions brochure >>

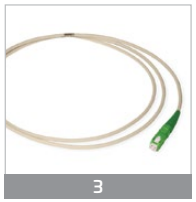
Floor Box brochure >>

CONTACT COMMSCOPE

Customer connection

Home Premises

Click on products for more info



3

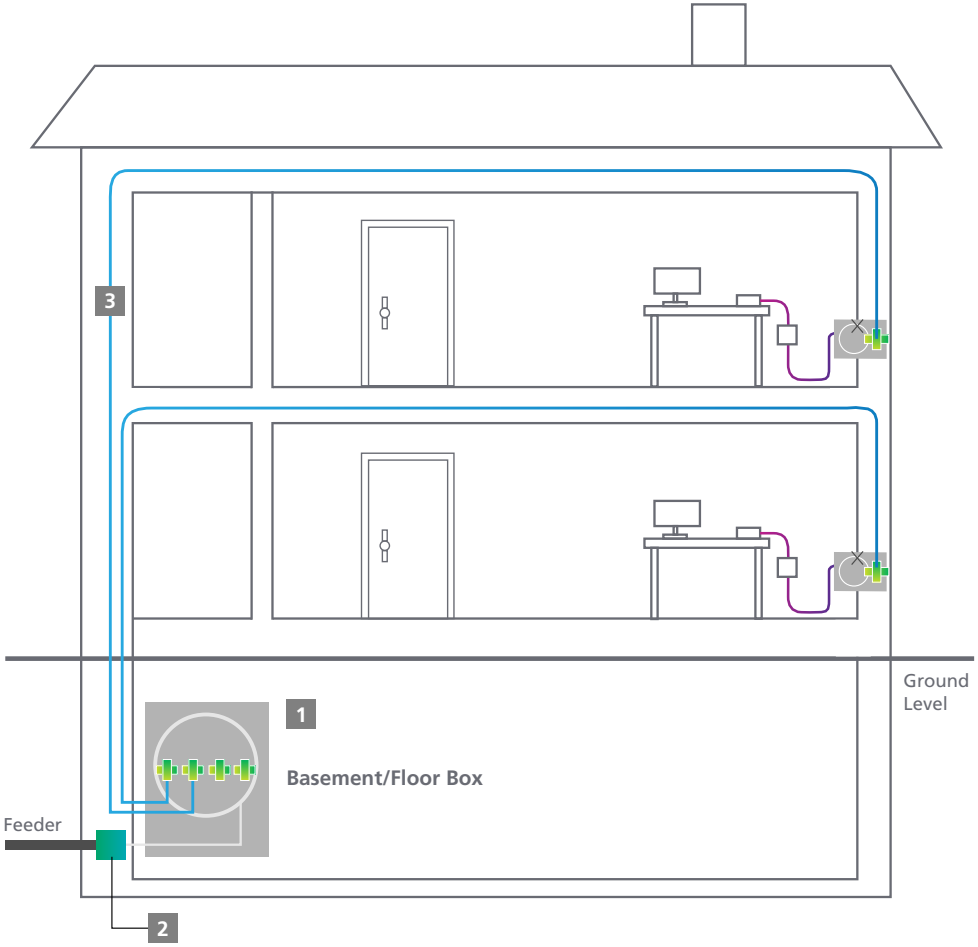
Indoor drop cable

2

HFMOC connection

1

Basement RDT box



Most common parts

Part number	Description
Basement RDT box	
RDT-SM12J00C0209C-BT	RDT with 30m tail. TIA colour code. 12f and 12 SC/APC adaptors. Preconnectorized with an outdoor HMFOC 12fo connector with pulling eye. No Splitters
HMFOC connection	
MHD-MFDA-100F	Ruggedized 12FO patchcord, flat cable, terminated in HMFOC to mate with RDT tail connector and to be deployed outside the MDU, up to the splicing closure, 100feet length
MHD-MFDA-200F	Ruggedized 12FO patchcord, flat cable, terminated in HMFOC to mate with RDT tail connector and to be deployed outside the MDU, up to the splicing closure, 200feet length
MHD-MFDA-300F	Ruggedized 12FO patchcord, flat cable, terminated in HMFOC to mate with RDT tail connector and to be deployed outside the MDU, up to the splicing closure, 300feet length
Indoor drop cables	
FID-SG-020M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 20m
FID-SG-030M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 30m
FID-SG-040M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 40m
FID-SG-050M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 50m
FID-SG-060M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 60m
FID-SG-080M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 80m
FID-SG-100M-01E	Indoor drop cable, pigtail, G657A2 3mm 1xSC/APC 100m

Basement RDT box

HMFOC connection

Indoor drop cables

LEARN MORE

IFDB for connectorized applications >>

Fibre Drop Cable Solutions brochure >>

CONTACT COMMSCOPE

Customer connection

Home Premises

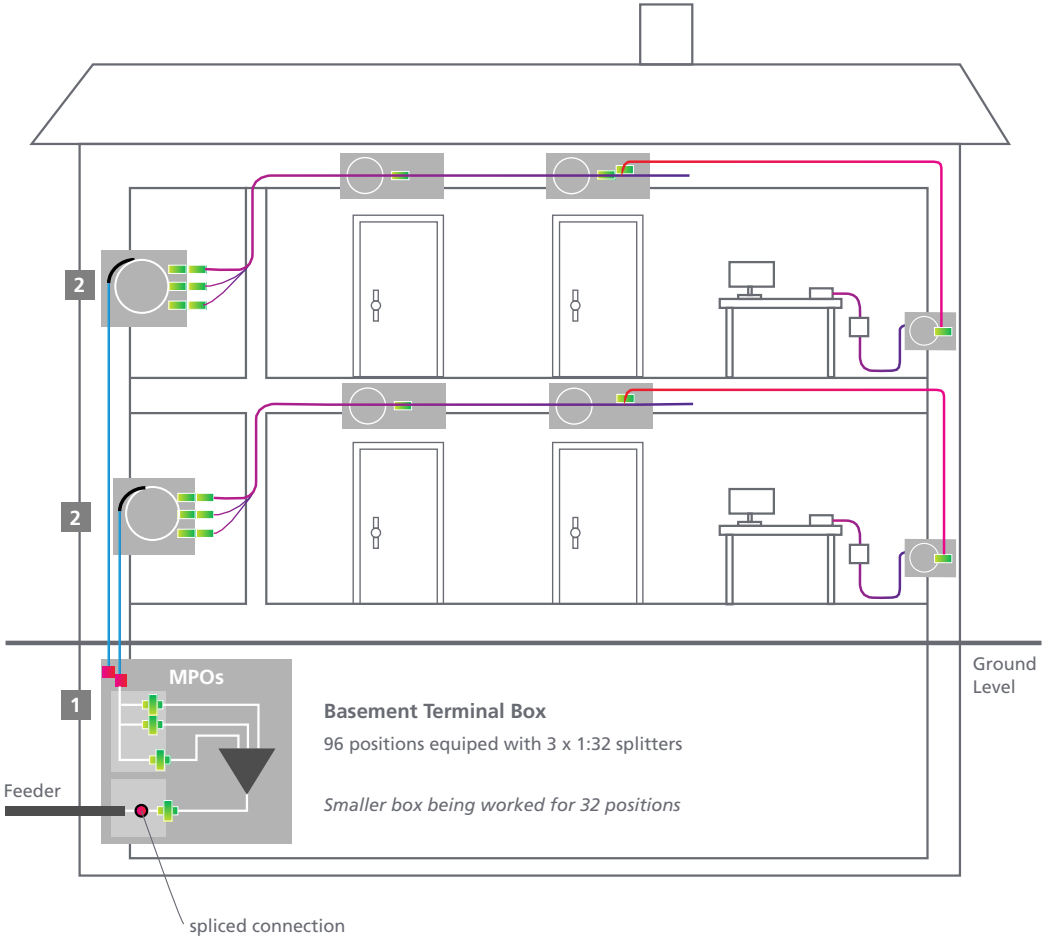
Click on products for more info

2

Floor box (mini RDT)

1

Basement terminal box

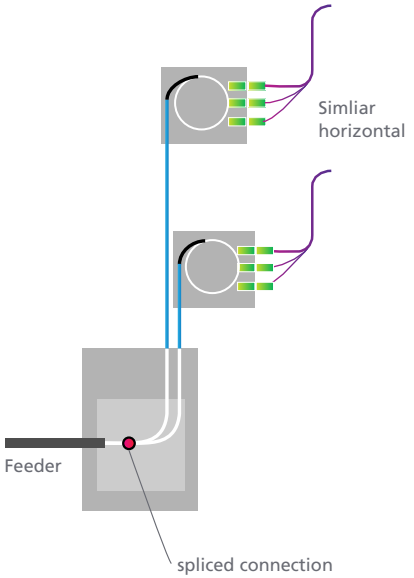


Basement Terminal Box

96 positions equiped with 3 x 1:32 splitters

Smaller box being worked for 32 positions

Variant with use of splicing at basement level



Most common parts

Part number	Description
BUDI basement terminal box	
BUDI-M-TH-48S2-O1	BUDI-M-TH box with MPO connectivity. 4 MPO connectors to serve 4 RDT floor boxes, 1 splitter 1:32. This box can be expanded with the extension kits to serve up to 96 homes, with 3 splitters 1x32, and 8 RDT floor boxes
BUDI-EXT-KIT	Extension kit with 1:32 splitter. Includes the splitter, the patching tray, MPO fan out cables pre connected and MPO adapters. (Addition of 2 RDTs and splitter)
BUDI-EXT-KIT-NOSPLTR	Extension kit without splitter. Includes the patching tray, MPO fan out cables pre connected and MPO adapters. (Addition of 2 RDTs)
BUDI-1S-48S2-01	BUDI-1S box with MPO connectivity for up to 48f 4 x 12f RDT connections. Splice trays. No splitters. Includes feeder seal kit, drop seal kit, loop-through storage, and 4 MPO adaptors.
FIST-FSASA3-SC-116-1P-S	Integrated FIST tray 1:16 splitter (for use in BUDI MDU)
Floor box (mini RDT)	
RDT-SM12J00C0309A	RDT with 30m tail. TIA colour code. 12f and 12 SC/APC adaptors. MPO 12f connector with pulling eye. No Splitters

BUDI basement terminal box

Floor box (mini RDT)

LEARN MORE

BUDI brochure >>

IFDB for connectorized applications >>

CONTACT COMMSCOPE

Central office configurations

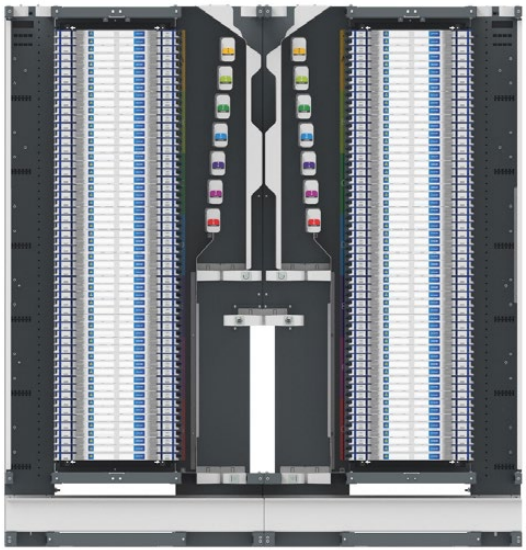
Inside plant

Central Office

FACT ODF System – Building Blocks

Click on additional products below for more info

Patch shelf



Frames

Splice shelf

Adapter packs

Passive Optical Devices

Pre-cabled solutions

CONTACT COMMSCOPE

Common ODF configuration

Part number	Description
FACT-4EPATL2	FACT patch/patch chassis 4 element
FACT-4ERHPL2S	FACT splice/patch chassis 4 element
FACT-FRCCRHP22	Cross connect frame, patching on the right 2200 mm x 1050 mm x 300 mm (87 in. x 41 in. x 12 in.) 2688 single LC or 1344 SC connections per frame
FACT-FRCCLHP22	Cross connect frame, patching on the left 2200 mm x 1050 mm x 300 mm (87 in. x 41 in. x 12 in.) 2688 single LC or 1344 SC connections per frame
FACT-FRCCD22	Cross connect door kit. Set of two doors with two door handles per door. The door handles are compatible with half cilinder locks according to DIN 18252 (EN 1303). Locks not included.
FACT-FRCCP22	Cross connect side panel kit (set of two panels)
FPCA-MMYZ005M	Fibre Optic Patch Cord, singlemode, 1.2 mm low friction LSZH jacket, LC/APC-LC/APC, 5.0 m, yellow
FACT-FRACCCTU4E	CTU kit for 4E Chassis FACT1 to 4 cables with diameter 5 to 8,5 mm or 1 cable with diameter 8,5 to 15 mm
FACT-FRACCFOPL	One fan out fixation plate for frame side duct & Eight fan out fixation component sets

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FACT Optical Distribution Frame brochure >>

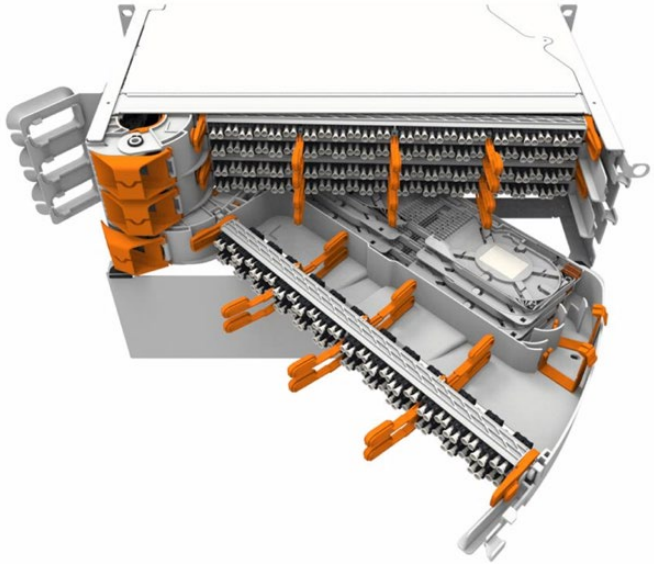
Inside plant

Central Office

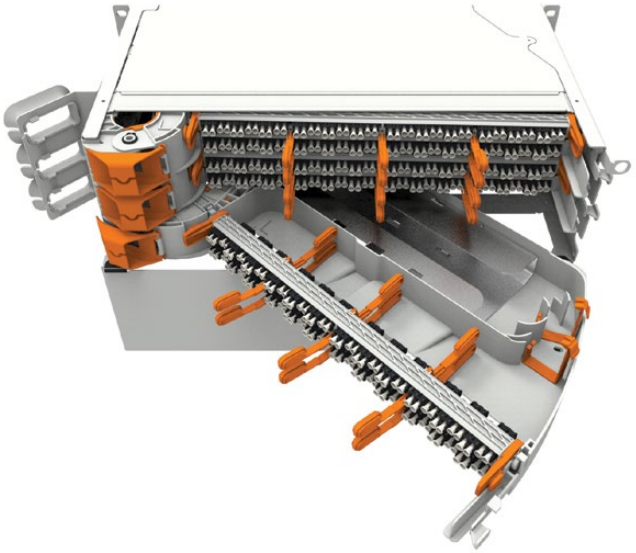
Outside plant

In cabinet

Fibre panel in Central Office or Cabinet *Click on additional products below for more info*



Splice patch shelf



Patch/patch shelf

Common Panel configurations

Part number	Description
MFPS-KHDP-PNS2-048	MFPS patch/patch panel, 48 SCAPC patchcord leaving on the right side, 1RU height
MFPS-KHDP-SIS2-048	MFPS splice/patch panel, 48 SCAPC, including pigtails, patchcord leaving on the right side, 1RU height
MFPS-KXDP-PNL2-096	MFPS patch/patch panel, 96 LCAPC, patchcord leaving on the right side, 1RU height
MFPS-KXDP-SIL2-096	MFPS splice/patch panel, 96 LCAPC, including pigtails, patchcord leaving on the right side, 1RU height
MFPS-KHDP-PNS2-144	MFPS patch/patch panel, 144 SCAPC, patchcord leaving on the right side, 3RU height
MFPS-KHDP-SIS2-144	MFPS splice/patch panel, 144 SCAPC, including pigtails, patchcord leaving on the right side, 1RU height
MFPS-KXDP-PNL2-288	MFPS patch/patch panel, 288 LCAPC, patchcord leaving on the right side, 3RU height
MFPS-KXDP-SNL2-288	MFPS splice/patch panel, 288 LCAPC, including pigtails, patchcord leaving on the right side, 3RU height

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MFPS Panel brochure >>

CONTACT COMMSCOPE

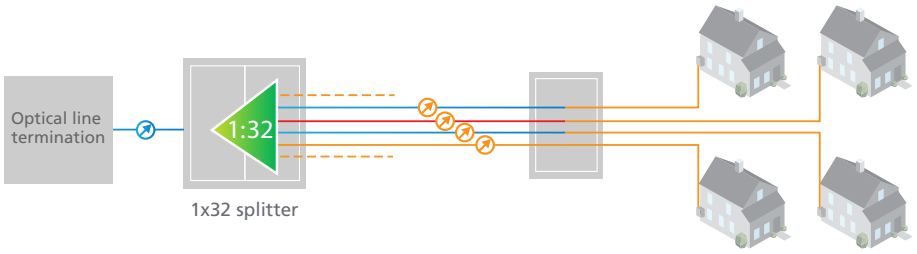
BACK TO CONTENTS

Appendix

X

Centralized split topology

Centralized Split topology uses a single stage splitter (typically 1:32 in GPON) located in the outside plant. Typically, this splitter can be either a connectorized splitter in an outdoor cabinet, or a spliced splitter in an underground closure. The input fibre for a centralized splitter comes from an OLT port in the central office. Sometimes, there is also a first 1:2 splitter in the central office. The output fibres go directly to each home.



Pros

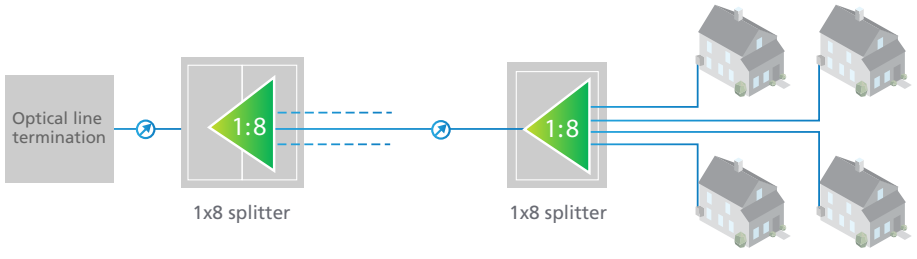
- Pay as you grow
- Easier to change with future technology changes
- Simpler to monitor and maintain

Cons

- More distribution fibre needed

Distributed split topology

Distributed Split topology uses two and, in rare cases, even up to thee levels of splitting. The splitters are located in the outside plant network. This approach may use a 1:8 spliced splitter residing in an underground closure, directly connected to an OLT. The second level, can be either a spliced or a connectorized splitter, depending on the network topology.



Pros

- Lower CAPEX
- Fast customer activation

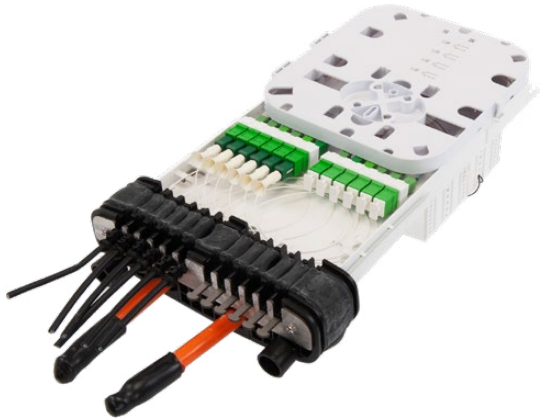
Cons

- Higher actives CAPEX
- Harder to change in the future
- Harder to monitor and maintain

X

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
- Risk of disturbing service while touching fibres when connecting new customers
- 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

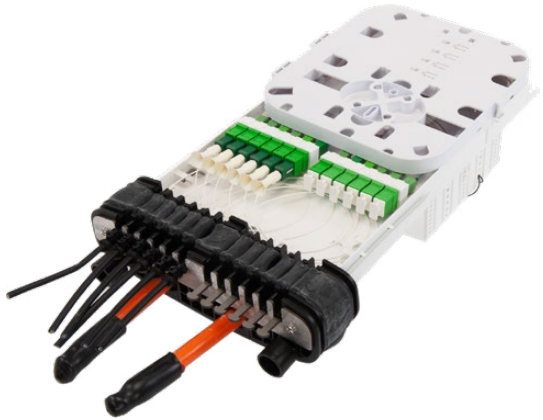
Cons

- More complex logistics for drop cables

X

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
- Risk of disturbing service while touching fibres when connecting new customers
- 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

Traditional MDU topology

Uses multifibre riser cable that is spliced and connectorized in a terminal box located in the basement. This cable is opened at every floor and spliced/connectorized 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 fibre cable failures and disconnections

Rapid MDU topology

Uses CommScope Rapid Reel technology and provides an alternative riser concept in MDUs. Each floor distribution box has its own cable 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

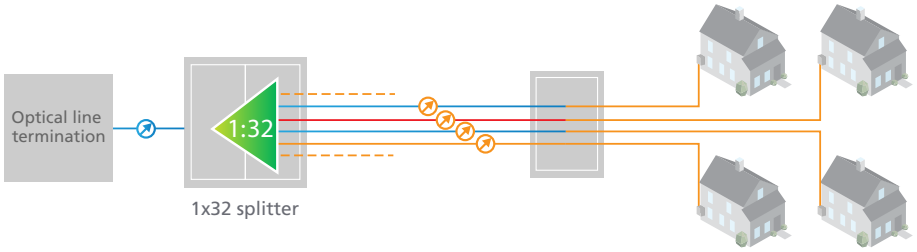
Cons

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

X

Centralized split topology

Centralized Split topology uses a single stage splitter (typically 1:32 in GPON,) located in the outside plant. Typically, this splitter can be either a connectorized splitter in an outdoor cabinet or a spliced splitter in an underground closure. The input fibre for a centralized splitter comes from an OLT port in the central office. Sometimes, there is also a first 1:2 splitter in the central office. The output fibres go directly to each home.



Pros

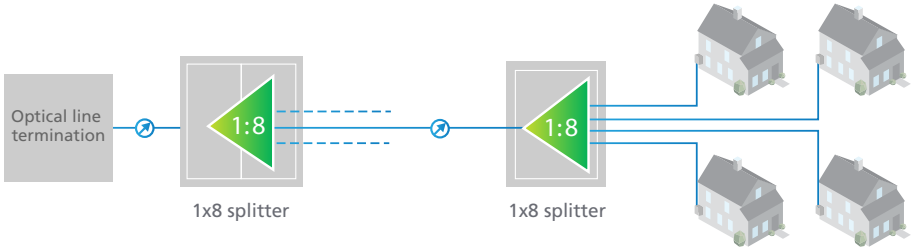
- Pay as you grow
- Easier to change with future technology changes
- Simpler to monitor and maintain

Cons

- More distribution fibre needed

Distributed split topology

Distributed Split topology uses two, and in rare cases, even as many as three levels of splitting. The splitters are located in the outside plant network. This approach may use a 1:8 spliced splitter residing in an underground closure, directly connected to an OLT. The second level can be either a spliced or a connectorized splitter, depending on the network topology.



Pros

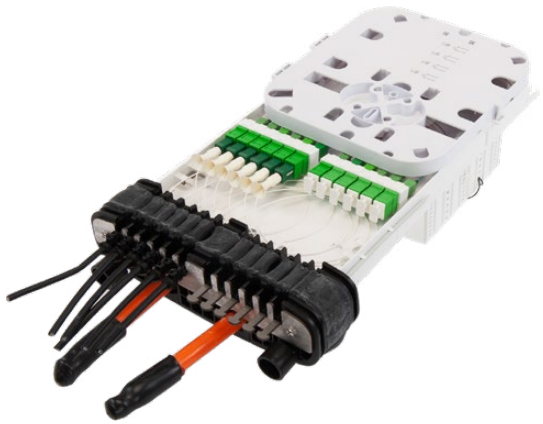
- Lower CAPEX
- Fast customer activation

Cons

- Higher actives CAPEX
- Harder to change in the future
- Harder to monitor and maintain

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
- Risk of disturbing service while touching fibres when connecting new customers
- 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

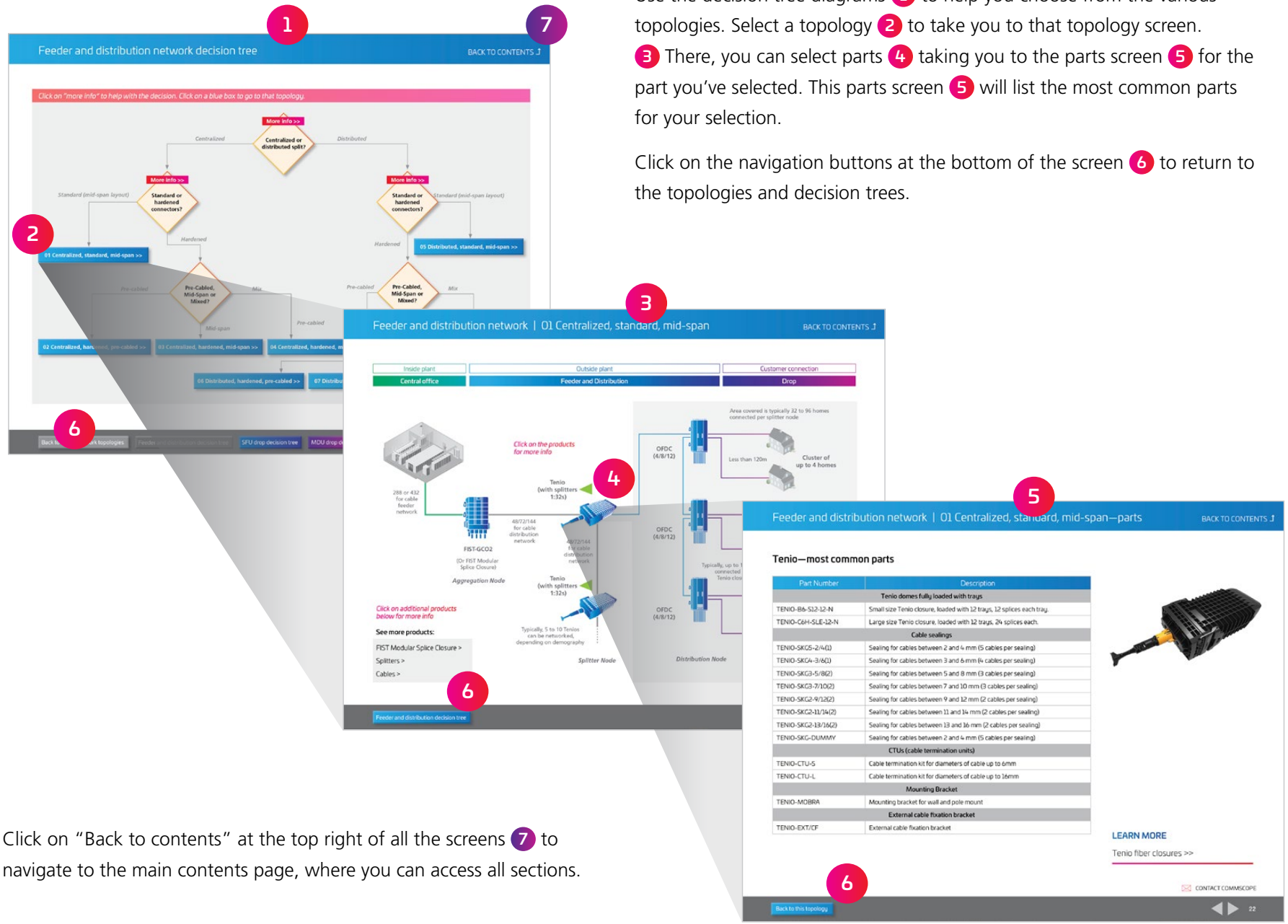
Cons

- More complex logistics for drop cables

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 the navigation buttons at the bottom of the screen 6 to return to the topologies and decision trees.



Click on "Back to contents" at the top right of all the screens 7 to navigate to the main contents page, where you can access all sections.

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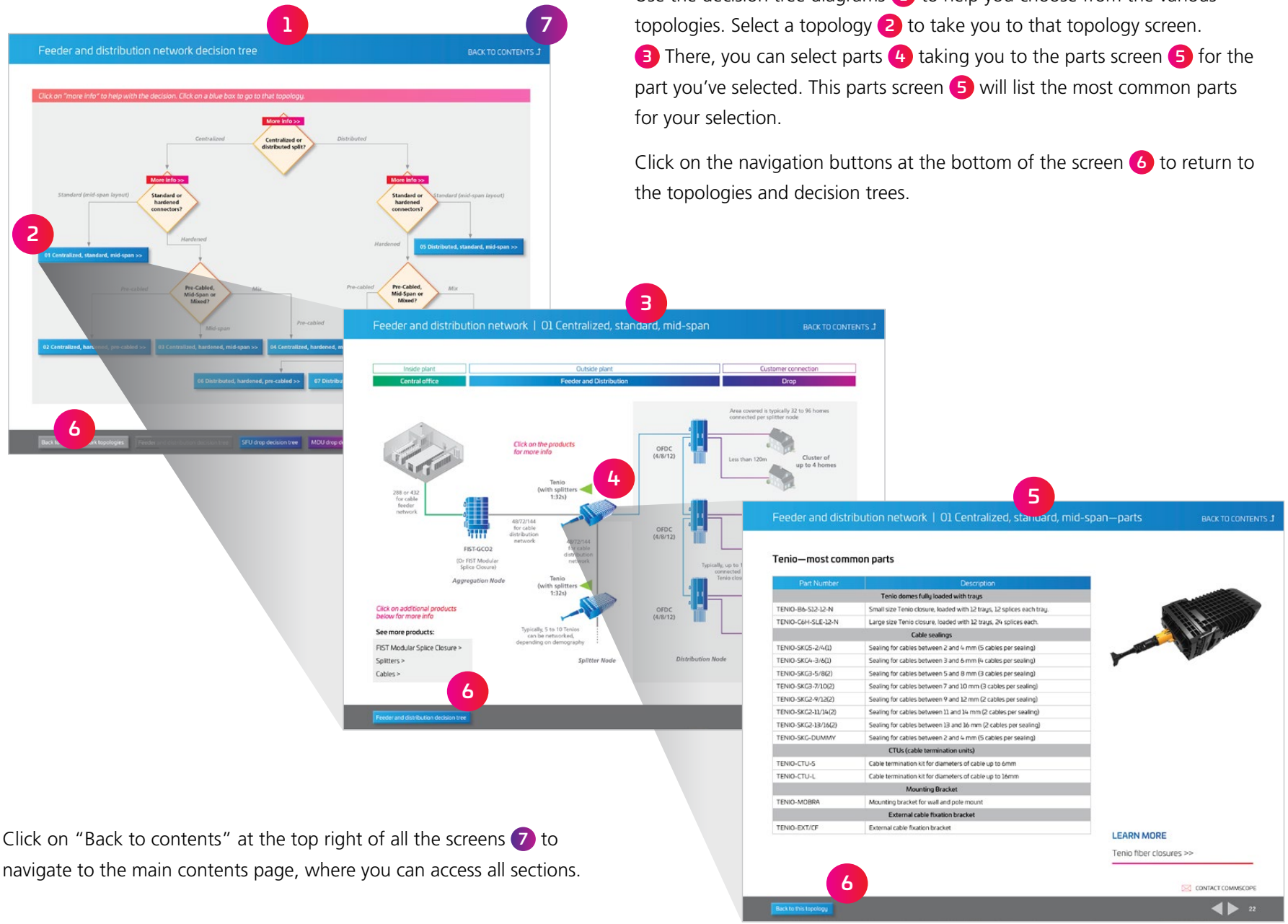

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