



Multi-tenant Data Center System Selection Guide

For use in Europe, Middle East and Africa

COMMScope®





INTRODUCTION

Turn your multi-tenant data center (colocation) infrastructure into a competitive advantage

The multi-tenant data center (MTDC) arena is not for the faint of heart. Growth is explosive, the pace of change frenetic, and competition fierce. Driven by the growth of edge-based connectivity and new partnerships with hyperscale and cloud providers, the global colocation and wholesale market is projected to exceed \$54 billion in revenue by 2023, compared to \$38.2 billion in 2018.¹

To compete successfully, MTDC owners and network managers need to be quick to market, globally agile and able to scale on demand. It all comes down to having a physical layer infrastructure designed for fast deployment, simplified management and flexible growth.

The fiber-dense connectivity customers want—the scalability and support you need

Today's colocation and wholesale tenants are running faster, more demanding applications than ever before. They look to you for a fiber-dense backbone and flexible connectivity. That's why some of the world's largest MTDC providers look to CommScope.

With a world-leading portfolio of carrier-grade fiber connectivity and management solutions for the backbone and copper and fiber structured cabling solutions, we help you manage the exponential growth in your MTDC. From entrance facilities and cross-connects to the meet-me rooms and customer cages, CommScope supports the fiber-dense applications and migration agility you and your customers depend on.

Connections beyond the obvious

We also keep you connected in other ways. Our powered fiber cabling solution remotely connects and powers a wide range of IP devices, nodes and sensors, while the FiberGuide® optical raceway solution connects, manages, distributes and protects your fiber plant across all areas of the data center. With CommScope's global manufacturing network and CommScope Express expedited delivery service, the world's most advanced fiber and copper connectivity solutions are never more than a week away from their final destination. So, you can satisfy your most demanding customers, wherever they are.

For MTDCs, future success starts with an adaptable, powerful and streamlined infrastructure. CommScope turns yours into a compelling and competitive advantage. Read on to learn how.

To compete successfully, MTDC owners and network managers need to be quick to market, globally agile and able to scale on demand.

¹ Global Colocation and Wholesale Datacenter Market to Exceed \$54 Billion by 2023; 451 Research; April 25, 2019.



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Fiber Splice Systems

Fiber Entrance Cabinet (FEC)

FACT® Optical Distribution Frame (ODF)

Universal Mount Splice Cabinet (UMSC)

Flex Frame ODF and 19-in. EHD Panels

FOSC® 600 Series

19-in. Splice Solutions

Singlemode Fiber Cables

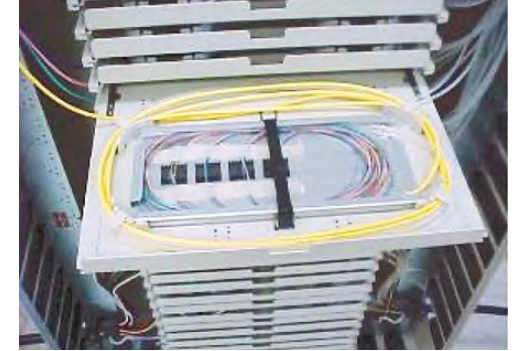
Singlemode Patch Cord and Cable Management Products



The FEC is designed for applications requiring an interface for Intra Facility Cable (IFC) and Outside Plant (OSP) cable. The FEC provides storage and protection in addition to splicing.

The conventional splice drawer employed in the FEC provides service loop storage, which allows splicing away from the FEC. Cable access ports are located at the top, bottom, and both sides of the cabinet. Pre-formed rubber grommets are provided in each cable access port. The grommets have micro slits that can be easily cut out to match cable diameter. Each grommet can handle up to three cables.

The FEC range from CommScope comes in a number of different sizes, providing splicing, administration and storage for IFC and OSP cables. It offers a cost-effective, space-saving alternative to splicing on the fiber frame. Cabinets are designed for deployment in a building equipment area. Bend radius protection and discrete subunit routing paths ensure easy installation. Can deploy high count of stranded or ribbon fiber cables. Ultra high-density splice capacity is dependent on splice tray used.



10,356 mass fusion splice capacity, wall-mounted splice cabinet, saves data center floor space

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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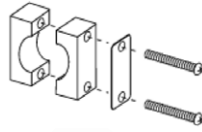
Select a product for more information.



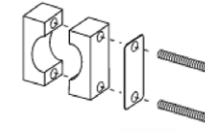
Splice Tray



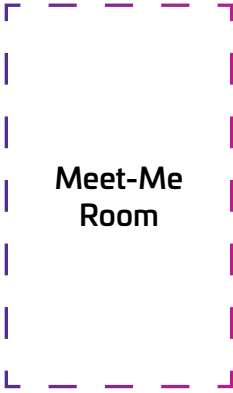
SMOUV Splice Protectors



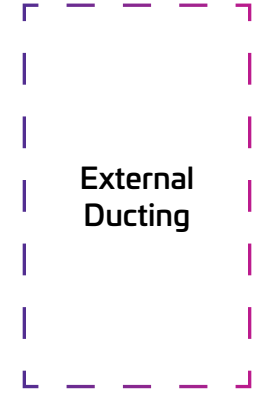
Cable Clamp



Cable Clamp



Meet-Me Room



External Ducting



Indoor or Indoor/
Outdoor Fiber Cable



Outdoor
Fiber Cable



Ribbon Cable Breakout Kit
(not required if using stranded indoor cable)



Ribbon Cable Breakout Kit
(not required if using stranded indoor cable)



Fiber Entrance Cabinet

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Review Fiber Entrance Cabinet (FEC) System Selection here.

Wall-mounted Fiber Entrance Closure (FEC), Splice Trays Not Included	Dimensions	Total Number of Splices	Number of Drawers	Weight	Max Cable OD	Part Number
Fiber Optic Entrance Cabinet, 36 Drawers, Wall mounted	62 in. (1,574.8 mm) x 32 in. (812.8 mm) x 13 in. (330.2 mm)	10,368	36	160 lbs (72.6 kg)	0.30 in. – 1.2 in. (7.6 mm – 30.5 mm)	FEC-36
Fiber Optic Entrance Cabinet, 24 Drawers, Wall mounted	45 in. (1,143 mm) x 32 in. (812.8 mm) x 13 in. (330.2 mm)	6,912	24	120 lbs (54.4 kg)	0.30 in. – 1.2 in. (7.6 mm – 30.5 mm)	FEC-24
Fiber Optic Entrance Cabinet, 12 Drawers, Wall mounted	28 in. (711.2 mm) x 32 in. (812.8 mm) x 13 in. (330.2 mm)	3,456	12	80 lbs (36.3 kg)	0.30 in. – 1.2 in. (7.6 mm – 30.5 mm)	FEC-12
Fiber Optic Entrance Cabinet, 6 Drawers, Wall mounted	19.48 in. (494.79 mm) x 32 in. (812.8 mm) x 13 in. (330.2 mm)	1,728	6	50 lbs (22.7 kg)	0.30 in. – 1.2 in. (7.6 mm – 30.5 mm)	FEC-6

Splicing Accessories	Fiber Count	Breakout Length	Description Code	Part Number
Fiber Optic Splice Tray, 288 Ribbon Splice Capacity	288			FST-XD-MT
Fiber Optic Splice Tray, 48 splice capacity, for stranded fiber use	48			FST-HS-48
SMOUV Fiber Optic Splice Heat Shrink Protective Sleeve for 12 ribbons (Part Number = 1ea Sleeve. MOQ is 1,000 Sleeves)	12 ribbon fibers per sleeve		SMOUV-1120-R2/12-02	757849-000
Fiber Optic Protective Splice Sleeve, 1 package, for stranded fiber use (Part Number = 50 Sleeves in Package. MOQ is 50 Packages)				FST-ACC001
Breakout kit used across multiple applications (FEC, FLEX, OMX, SD cable counts 144F, 288F, 432F, 576F)	144/288/432/576	50 in	RIBCBOU-3/8-50-144/288/432/576	760244150
Breakout kit used across multiple applications (FEC, FLEX, SD)	864/1152	50 in	RIBCBOU-3/8-50-864/1152	760244144
Breakout kit used across multiple applications (FEC, FLEX, SD)	1728	75 in	RIBCBOU-3/8-75-1728	760244149
Breakout kit used across multiple applications (FEC, FLEX)	3456	125 in	RIBCBOU-3/8-125-3456	760244147

Cable Clamping Kits	Quantity			Part Number
IFC/OSP Cable clamp kit. Secures 3 cables with a maximum diameter each of 32 mm (1.25 in) to 38 mm (1.5 in), to a single entry point	6			OSP-CLPFEC-XL
IFC/OSP Cable clamp kit. Secures 3 cables with a maximum diameter each of 32 mm (1.25 in) to 38 mm (1.5 in), to a single entry point	1			OSP-CLPFEC-XL-1
IFC/OSP Cable clamp kit. Secures 3 cables with a maximum diameter each of 10 mm (0.4 in) to 30 mm (1.2 in), to a single entry point	3			OSP-CLPFEC-LG
IFC/OSP Cable clamp kit. Secures 1 cable with a maximum diameter of 10 mm (0.4 in) to 30 mm (1.2 in), to a single entry point	1			FEC-ACCCLMP01
Soft IFC fiber optic cable clamp kit. Secures 1 cable with a maximum diameter of 20 mm (0.8 in) to 28 mm (1.1 in), to a single entry point	1			OSP-CLPSST-IFCL
IFC/OSP Cable clamp kit. Secures 3 cables with a maximum diameter each of 5 mm (0.2 in) to 18 mm (0.7 in), to a single entry point	3			OSP-CLPFEC
IFC/OSP Cable clamp kit. Secures 1 cable with a maximum diameter of 5 mm (0.2 in) to 18 mm (0.7 in), to a single entry point	1			OSP-CLPSST
Soft IFC fiber optic cable clamp kit. Secures 1 cable with a maximum diameter of 5 mm (0.2 in) to 18 mm (0.7 in), to a single entry point	1			OSP-CLPSST-IFCS

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Frame

The FACT optical distribution frame solution begins with CommScope's modular, lightweight FACT frame. Designed modularly with a small footprint, the fully front accessible FACT frame can be placed up against a wall, or back-to-back in a quad formation to maximize usable density. The frame provides dedicated spots for cable routing and color-coded fiber management, supporting up to 2,880 LC connections in a single frame.

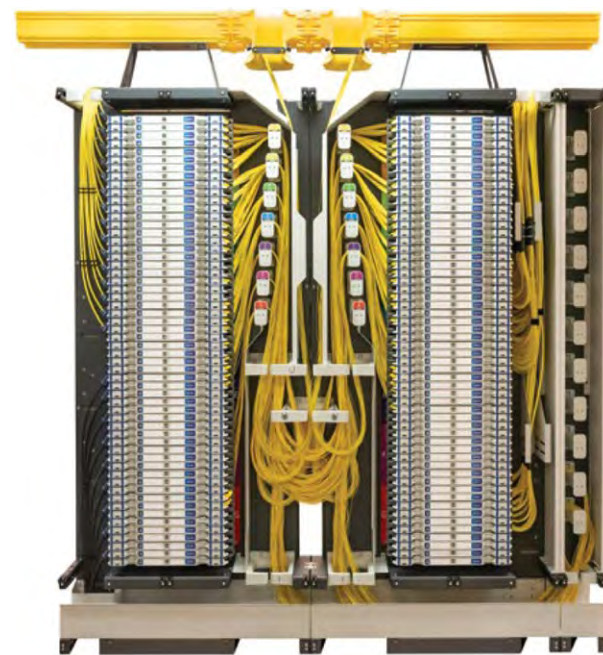
The cross-connect FACT frame can be designed and easily installed with cable routing on either side of the frame, which includes backplate numbering—allowing for simple tracking of fibers whether you route from top to bottom or vice versa. One standard patch cord length can reach any position in a back-to-back configuration, reducing the number of cable lengths required.

The FACT frame accommodates not only FACT shelving, but standard 19-in. shelving as well, allowing you to increase your density while utilizing your current equipment. The FACT

frame is compatible with a range of accessories such as side panels, doors and cable attachment plates.

Elements and chassis

FACT elements may be deployed individually as a single-element chassis or grouped with other elements for higher density solutions. Each element measures 30.95 mm (1.22 in) tall, 30 percent less than the standard HU (44.45 mm/1.75 in). Each element supports two hinged trays that provide full front access to both sides of all connections and clear visibility of all ports. Four chassis types—patch-only, patch-splice, pre-cabled and NG4—enable customization of the FACT optical distribution frame to support virtually any application.



[Learn more about the FACT High Density ODF Solution here.](#)

Direct System Selection Index

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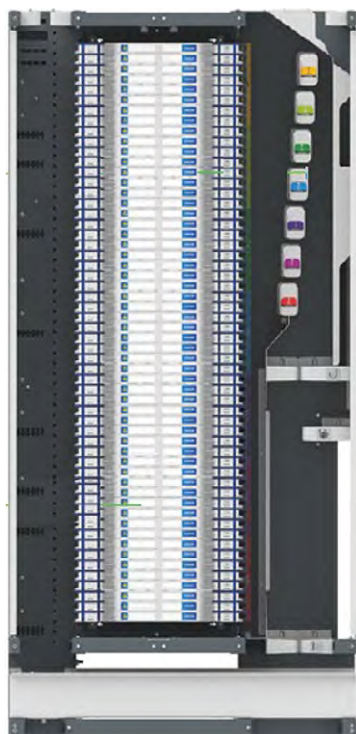
MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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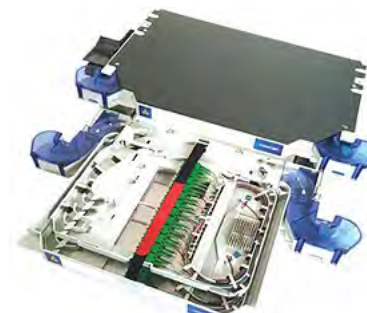
Select a product for more information.



FACT Optical Distribution Frame



FACT Splice Chassis



FACT Splice/Patch Chassis



Uniboot singlemode LC patchcords

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Review FACT Optical Distribution Frame (ODF) Modular Design here.

Frames	Dimensions	Max. Termination Capacity	Catalog Number	Catalog Description
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	760243094	FACT-FRCLHP22
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	760243095	FACT-FRCCRHP22
Interconnect frame, patching on the right	2200 mm x 900 mm x 300 mm (87 in. x 35 in. x 12 in)	2880 single LC or 1440 SC connections per frame	760243096	FACT-FRICRHP22
Path cord overlength management bay	2200 mm x 200 mm x 300 mm (87 in. x 8 in. x 12 in)	N/A	760243097	FACT-FROLB22
Frame Accessories			Catalog Number	Catalog Description
Cross-connect door kit. Set of two doors with two door handles per door. The door handles are compatible with half cylinder locks according to DIN 18252 (EN 1303). Locks not included.			760243098	FACT-FRCCD22
Cross-connect side panel kit (set of two panels)			760243099	FACT-FRCCP22
Interconnect door kit. Set of two doors with two door handles per door. The door handles are compatible with half cylinder locks according to DIN 18252 (EN 1303). Locks not included.			760243100	FACT-FRICD22
Patch cord overlength bay door. Set of one door with two door handles. The door handles are compatible with half cylinder locks according to DIN 18252 (EN 1303). Locks not included.			760243101	FACT-FROLBD22
Fiber guide fixation kit			760243110	FACT-FRACCFG5
Kit with two half cylinder locks according to DIN 18252 (EN 1303). Two lock kits are required for a frame door kit, only 1 lock kit required for OLB door kit.			760245341	FACT-FRACCDL2 (2-pack)
FACT Cable Attachment Plates	Compatible with Frame		Catalog Number	Catalog Description
One cable attachment plate for frame side duct and one cable to flex conversion component set	FACT		760243108	FACT-FRACCCAPL
One cable to flex conversion component set for cable attachment plate	FACT		760243111	FACT-FRACCCFT
One fan out fixation plate for frame side duct and eight fan out fixation component sets	FACT		760243109	FACT-FRACCFOP
Eight fan out fixation component sets (for fan out fixation plate)	FACT		760243112	FACT-FRACCFOPK-8
FACT Cable Termination Units	Element Type		Description Code	Part Number
FACT cable termination unit (CTU), kit for 6E FACT chassis, accommodates: 1 cable 2.5-14 mm or 2 cables 2.5-8.5 mm or 4 cables 2.5-5 mm or 1 flex tube OD 16 mm, only for use in. FACT frame	CTU		FACT-FRACCCTU6E	760243107
FACT cable termination unit (CTU), kit for 4E FACT chassis, accommodates: 1 cable 2.5-14 mm or 2 cables 2.5-8.5 mm or 4 cables 2.5-5 mm or 1 flex tube OD 16 mm, only for use in. FACT frame	CTU		FACT-FRACCCTU4E	760243105
FACT cable termination unit (CTU), kit for 3E FACT chassis, accommodates: 1 cable 2.5-14 mm or 2 cables 2.5-8.5 mm or 4 cables 2.5-5 mm or 1 flex tube OD 16 mm, only for use in. FACT frame	CTU		FACT-FRACCCTU3E	760243104
FACT cable termination unit (CTU), kit for 2E FACT chassis, accommodates: 1 cable 2.5-14 mm or 2 cables 2.5-8.5 mm or 4 cables 2.5-5 mm or 1 flex tube OD 16 mm, only for use in. FACT frame	CTU		FACT-FRACCCTU2E	760243103
FACT cable termination unit (CTU), kit for 1E FACT chassis, accommodates: 1 cable 2.5-14 mm or 2 cables 2.5-8.5 mm or 4 cables 2.5-5 mm or 1 flex tube OD 16 mm, only for use in. FACT frame	CTU		FACT-FRACCCTU1E	760243102

All frame kits include:

- Wall and back-to-back connection kit
- Side-to-side connection kit
- Earthing kit
- Adjustable feet
- Intuitive installation instructions
- Color label kit for spool identification and intuitive patch cord routing
- Required hardware and fasteners
- Pre-installed position number identification strip for FACT-style and 19-in.-style

All frame accessory kits include:

- Intuitive installation instruction
- Required hardware and fasteners

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Review FACT Optical Distribution Frame (ODF) Modular Design here.

FACT Splice-Patch and Splice-Splice Elements	Element Type	Fiber Count	Fiber Type/Splice Protection	Description Code	Part Number
FACT Fiber Optic Patch/Splice Panel, gray, 6E high, 288-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, SMOUV splice tray type, left-hand patch	Splice-Patch	288	OS2/SMOUV	FACT-6ELHPL1S	760240562
FACT Fiber Optic Patch/Splice Panel, gray, 6E high, 288-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, SMOUV splice tray type, right-hand patch	Splice-Patch	288	OS2/SMOUV	FACT-6ERHPL1S	760240694
FACT Fiber Optic Patch/Splice Panel, gray, 6E high, 288-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, ANT splice tray type, left-hand patch	Splice-Patch	288	OS2/ANT	FACT-6ELHPL1A	760240575
FACT Fiber Optic Patch/Splice Panel, gray, 6E high, 288-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, ANT splice tray type, right-hand patch	Splice-Patch	288	OS2/ANT	FACT-6ERHPL1A	760240706
FACT Fiber Optic Patch/Splice Panel, gray, 4E high, 192-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, SMOUV splice tray type, left-hand patch	Splice-Patch	192	OS2/SMOUV	FACT-4ELHPL1S	760240013
FACT Fiber Optic Patch/Splice Panel, gray, 4E high, 192-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, SMOUV splice tray type, right-hand patch	Splice-Patch	192	OS2/SMOUV	FACT-4ERHPL1S	760240055
FACT Fiber Optic Patch/Splice Panel, gray, 4E high, 192-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, ANT splice tray type, left-hand patch	Splice-Patch	192	OS2/ANT	FACT-4ELHPL1A	760240524
FACT Fiber Optic Patch/Splice Panel, gray, 4E high, 192-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, ANT splice tray type, right-hand patch	Splice-Patch	192	OS2/ANT	FACT-4ERHPL1A	760240658
FACT Fiber Optic Patch/Splice Panel, gray, 3E high, 144-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, SMOUV splice tray type, left-hand patch	Splice-Patch	144	OS2/SMOUV	FACT-3ELHPL1S	760240007
FACT Fiber Optic Patch/Splice Panel, gray, 3E high, 144-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, SMOUV splice tray type, right-hand patch	Splice-Patch	144	OS2/SMOUV	FACT-3ERHPL1S	760240027
FACT Fiber Optic Patch/Splice Panel, gray, 3E high, 144-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, ANT splice tray type, left-hand patch	Splice-Patch	144	OS2/ANT	FACT-3ELHPL1A	760240010
FACT Fiber Optic Patch/Splice Panel, gray, 3E high, 144-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, ANT splice tray type, right-hand patch	Splice-Patch	144	OS2/ANT	FACT-3ERHPL1A	760240030
FACT Fiber Optic Patch/Splice Panel, gray, 2E high, 96-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, SMOUV splice tray type, left-hand patch	Splice-Patch	96	OS2/SMOUV	FACT-2ELHPL1S	760240001
FACT Fiber Optic Patch/Splice Panel, gray, 2E high, 96-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, SMOUV splice tray type, right-hand patch	Splice-Patch	96	OS2/SMOUV	FACT-2ERHPL1S	760240020
FACT Fiber Optic Patch/Splice Panel, gray, 2E high, 96-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, ANT splice tray type, left-hand patch	Splice-Patch	96	OS2/ANT	FACT-2ELHPL1A	760240485
FACT Fiber Optic Patch/Splice Panel, gray, 2E high, 96-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, ANT splice tray type, right-hand patch	Splice-Patch	96	OS2/ANT	FACT-2ERHPL1A	760240023
FACT Fiber Optic Patch/Splice Panel, gray, 1E high, 48-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, SMOUV splice tray type, left-hand patch	Splice-Patch	48	OS2/SMOUV	FACT-1ELHPL1S	760240450
FACT Fiber Optic Patch/Splice Panel, gray, 1E high, 48-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, SMOUV splice tray type, left-hand patch	Splice-Patch	48	OS2/SMOUV	FACT-1ERHPL1S	760240585
FACT Fiber Optic Patch/Splice Panel, gray, 1E high, 48-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, ANT splice tray type, left-hand patch	Splice-Patch	48	OS2/ANT	FACT-1ELHPL1A	760240463
FACT Fiber Optic Patch/Splice Panel, gray, 1E high, 48-port, singlemode, loaded with LC/UPC adapters and C-grade pigtails, ANT splice tray type, left-hand patch	Splice-Patch	48	OS2/ANT	FACT-1ERHPL1A	760240598

Note: FACT elements are also available with APC finish. See details [here](#).

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Review FACT Optical Distribution Frame (ODF) Modular Design here.

FACT Splice Chassis	Number of Trays Per FACT Chassis				
The FACT splice chassis is a multipurpose splice shelf featuring up to 96 ANT splices or 72 SMOUV splices per FACT element. In combination with the FACT-ACCCTU accessories, the FACT splice chassis supports multiple splice applications, including: <ul style="list-style-type: none"> • Outdoor-to-indoor loose-tube cable • Loose-tube cable to pigtails (single aramid yarn termination) • Loose-tube cable to breakout or intra-facility (IFC) cable • Pigtail to pigtail (single aramid yarn termination) 		A04	S04	A12	S12
	1E	12	12	8	6
	2E	24	24	16	12
	3E	36	36	24	18
	4E	48	48	32	24
FACT Splice-Patch and Splice-Splice Elements	Element Type	Fiber Count	Fiber Type / Splice Protection	Description Code	Part Number
FACT Fiber Optic Splice Panel, gray, 4E high, loaded with 24 trays for holding up to 12 SMOUV type splices per tray	Splice - Splice	288	OS2 / SMOUV	FACT-4ESPLS12	760239970
FACT Fiber Optic Splice Panel, gray, 4E high, loaded with 32 trays for holding up to 12 ANT type splices per tray	Splice - Splice	384	OS2 / ANT	FACT-4ESPLA12	760239969
FACT Fiber Optic Splice Panel, gray, 4E high, loaded with 18 trays for holding up to 12 SMOUV type splices per tray	Splice - Splice	216	OS2 / SMOUV	FACT-3ESPLS12	
FACT Fiber Optic Splice Panel, gray, 3E high, loaded with 24 trays for holding up to 12 ANT type splices per tray	Splice - Splice	288	OS2 / ANT	FACT-3ESPLA12	760239968
FACT Fiber Optic Splice Panel, gray, 2E high, loaded with 12 trays for holding up to 12 SMOUV type splices per tray	Splice - Splice	144	OS2 / SMOUV	FACT-2ESPLS12	760239963
FACT Fiber Optic Splice Panel, gray, 2E high, loaded with 16 trays for holding up to 12 ANT type splices per tray	Splice - Splice	192	OS2 / ANT	FACT-2ESPLA12	760239964
FACT Fiber Optic Splice Panel, gray, 1E high, loaded with 6 trays for holding up to 12 SMOUV type splices per tray	Splice - Splice	72	OS2 / SMOUV	FACT-1ESPLS12	760239959
FACT Fiber Optic Splice Panel, gray, 1E high, loaded with 8 trays for holding up to 12 ANT type splices per tray	Splice - Splice	96	OS2 / ANT	FACT-1ESPLA12	760239960

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Designed for flexibility and user friendliness, the Universal Mounted Splice Cabinet has the ability to mount in a 19-in. or 23-in. two- or four-post rack. It can also be mounted on the wall. This high density solution allows for up to 6912 splices in the 24-tray cabinet size, and 3456 splices in the 12-tray cabinet size, which are easily accessible due to the dedicated mesh tubing routing. The Universal Mounted Splice Cabinet's unique design includes over 6 ft (1.8 m) of slack to allow up to three splicers to be working side-by-side at the same time.



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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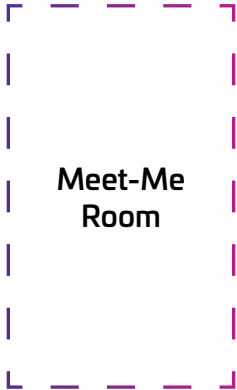
Select a product for more information.



Splice Tray



SMOUV Splice Protectors



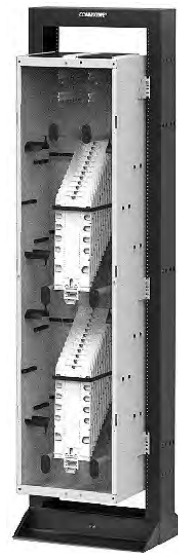
Meet-Me Room



Indoor or Indoor/
Outdoor Fiber Cable



Ribbon Cable Breakout Kit
(not required if using stranded indoor cable)



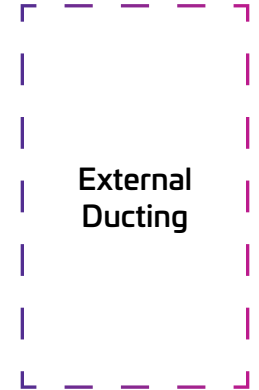
Universal Mount
Splice Cabinet



Outdoor Rollable
Ribbon Fiber Cable



Ribbon Cable Breakout Kit



External
Ducting

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Review Universal Mount Splice Cabinet (UMSC) System Selection [here](#).

Universal Mount Splice Cabinet	Fiber Count	Dimensions	Weight	Description Code	Part Number
Universal Mount Splice Cabinet with up to 3456 fiber splices capacity (Rollable ribbon cables), 12 trays, exit up, gray	3,456	42.3 in. (1074 cm) x 17.84 in. (45.3 cm) x 11.54 in. (29.3 cm)	32 lbs. (14.5 kg)	ODF-SPLCAB-12	760248104
Universal Mount Splice Cabinet with up to 6912 fiber splices capacity (Rollable ribbon cables), 24 trays, exit up, gray	6,912	68.5 in. (174 cm) x 17.84 in. (45.3 cm) x 11.54 in. (29.3 cm)	52 lbs. (23.6 kg)	ODF-SPLCAB-24	760245548
Splicing Accessories	Fiber Count	Breakout Length	Description Code	Part Number	
FOST splice tray, 288f Rollable ribbon fiber splicing per tray	288	N/A	FOST-ACC-D-TRAY-RR-288-KIT	760243050	
Breakout kit used across multiple applications (FEC, FLEX, OMX, SD cable counts 144F, 288F, 432F, 576F)	144/288/432/576	50 in	RIBCBOU-3/8-50-144/288/432/576	760244150	
Breakout kit used across multiple applications (FEC, FLEX, SD)	864/1152	50 in	RIBCBOU-3/8-50-864/1152	760244144	
Breakout kit used across multiple applications (FEC, FLEX, SD)	1728	75 in	RIBCBOU-3/8-75-1728	760244149	
Breakout kit used across multiple applications (FEC, FLEX)	3456	125 in	RIBCBOU-3/8-125-3456	760244147	
Accessories			Description Code	Part Number	
Equipment Rack, 2-Post, 6 in. (152 mm) Channel x 7 ft (2134 mm) H - 19 in. (482.6 mm) Alu (45U) 12-24 Tapped Rails, Black		45U	RK6-45A	760082495	
19-in. rack mount brack for Universal Mount Splice Cabinet, 1 kit per cabinet			ODF-ACC-BRK-19	760245549	
Raised Floor Mounting Kit, 5/8-in.				FDF-ACC146	
SMOUV Fiber Optic Splice Heat Shrink Protective Sleeve for 12 ribbons (1000 sleeves per MID)	12 Ribbon Fibers per Sleeve		SMOUV-1120-R2/12-02	757849-000	
ODF-ACC-BRK-WM, Wall Mount brack for Universal Mount Splice Cabinet, 1 kit per cabinet			ODF-ACC-BRK-WM	760245551	
Concrete Floor Mounting Kit, 5/8-in.				RINST-FLR	

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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- Accepts up to nine 4RU chassis
- Enables interconnect and/or cross-connect applications
- Integral slack storage reduces jumper congestion
- An integrated lower trough system with passthrough simplifies cable routing in a frame lineup
- On-frame splicing eliminates the need to access the rear of each panel to perform splicing, thereby reducing the risk of damage to the panel's internal components
- Integrated left-side cable entry ports on splice cabinet standardizes the length of split convoluted tubing needed to provide additional protection of the mesh sleeve-enclosed 24-fiber ribbon bundles
- Slack storage capacity of at least 10 ft (3.05 m) of mesh-enclosed ribbon slack per 24-fiber ribbon bundle
- An optional locking door to provide protection against unauthorized access to the entire frame



EHD fiber solutions are designed for today's more crowded and demanding environments. EHD supports 72 duplex LC ports or 72 MPO ports per RU. EHD modules, adapter packs and cassettes are 24 fiber solutions.

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

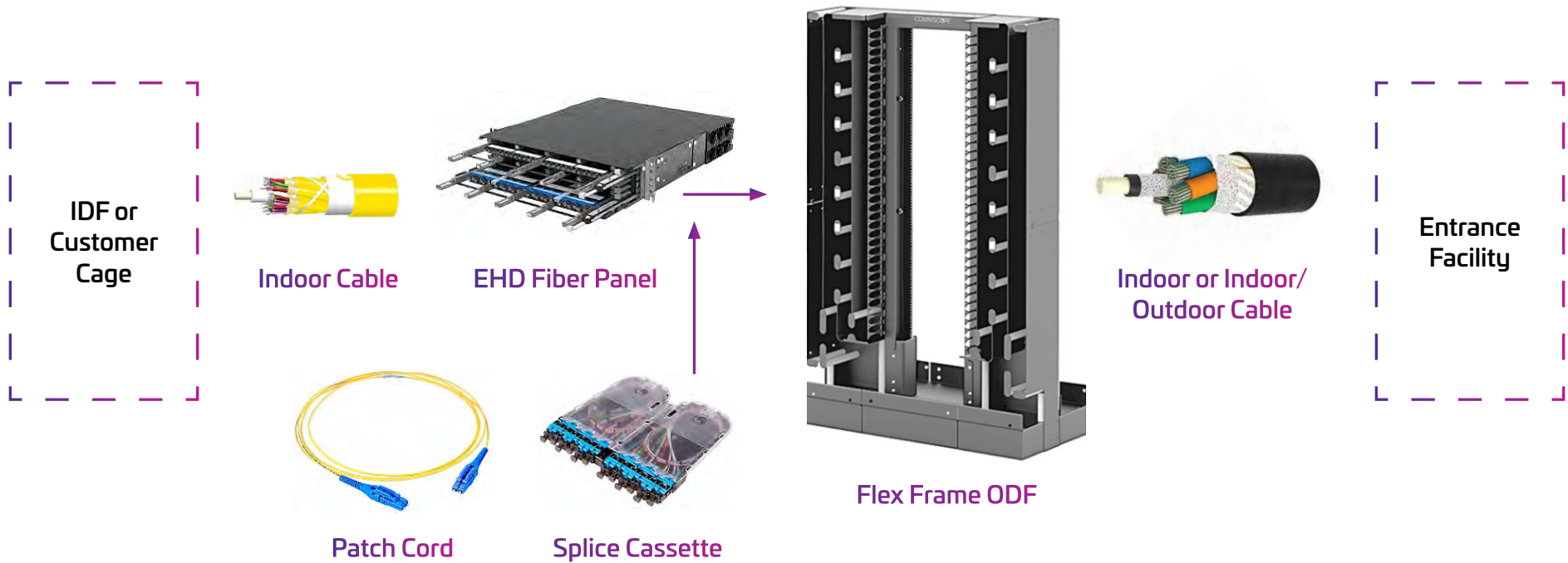
MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Select a product for more information.



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Review Flex Frame System Selection here.

Flex Frame ODF	Dimensions		Weight	Description Code	Part Number
Flex Frame ODF with cable managers, 19-in. standard mounting, 36RU of open rack space	84.0 x 52.7 x 24.0 in. (213.4 x 133.9 x 60.95 cm)		400 lbs. (181.4 kg); packaged weight 630 lbs. (285.8 kg)	ODF-FF19CM-36	760242401
EHD Chassis	HU	Max Number of LC Connectors	Number of EHD Splice Cassettes	Description Code	Part Number
SYSTIMAX® EHD 4U sliding tray fiber panel, accepts (24) EHD ULL modules, splice cassettes or MPO panels, providing up to 288 duplex LC ports or up to 288 MPO ports, High Speed Migration	4	576	24	N/A	EHD-4U
SYSTIMAX EHD 2U sliding tray fiber panel, accepts (12) EHD ULL modules, splice cassettes or MPO panels, providing up to 144 duplex LC ports or up to 144 MPO ports, High Speed Migration	2	288	12	N/A	EHD-2U
SYSTIMAX EHD 1U sliding tray fiber panel, accepts (6) EHD ULL modules, splice cassettes or MPO panels, providing up to 72 duplex LC ports or up to 72 MPO ports, High Speed Migration	1	144	6	N/A	EHD-1U
Splice Cassettes	Fiber Type	Pigtail Fiber Type	Polarity Method	Description Code	Part Number
EHD ULL Singlemode Splice Cassette, 24LC with dust plugs and ribbon pigtails	OS2	Rollable Ribbon	Method B Enhanced	EHD-SP-24LC-SMR-B-ULL	760238932
EHD ULL Singlemode Splice Cassette, 24LC with dust plugs and pigtails	OS2	Stranded	Method B Enhanced	EHD-SP-24LC-SM-B-ULL	760238936
EHD Singlemode Splice Cassette, 24LC with dust plugs and pigtails	OS2	Stranded	Method A (Pairs Straight)	EHD-SP-24LC-SM-AS-ULL	760237944
Accessories				Description Code	Part Number
Raised Floor Mounting Kit, 5/8-in.				N/A	FDF-ACC146
Concrete Floor Mounting Kit, 5/8-in.				N/A	RINST-FLR
Small universal blocking kit, for use with ribbon fiber splice cassettes				BK-FP-SML	760238380

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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With the FOSC 600 Series, CommScope offers customers high-capacity fiber splicing solutions built on the industry-leading design of the FOSC series and our unique engineering expertise in delivering both high density and ease of use.

The FOSC 600 Series can be used in a variety of trunk and feeder applications for splicing a wide range of fiber cable types and sizes, housing of connectorized distribution and demarcation points and deployment of optical passives.

The sealing system of the FOSC 600 builds on the proven reliability of the FOSC 450 series and features the versatile and popular gel sealing technology for termination cables and a unique latching system for quick closure opening and closing without any special tools required.

The FOSC 600D Series can be deployed anywhere in the outside plant for a multitude of functions including the splicing of almost any cable type, up to 1.4 in.(3.56 cm) diameter and 1,728 fiber splice capacity. It's used to house the connectorized distribution and demarcation points and the deployment of optical passives.

Using the same closure, the FOSC 600D-XL series is like the 600D except it has a larger tray tower

enabling up to 12 single fiber trays or six ribbon fiber trays with up to 3,456 fiber splice capacity.

Features and benefits

- Up to 1,728 single fibers or 3,456 ribbon fibers
- Up to 12 single fiber trays or six ribbon fiber trays
- Up to 16 separate cable ports
- Cables up to 1.4 in.(3.56 cm) diameter
- Compact size designed for easy field stacking
- Butt or inline splice closure, field configurable
- All internal parts can be removed for easy re-configuration
- Hinging trays with controlled access to splices and slack storage
- Superior fiber management
- Storage basket included
- Wall-mount bracket included

- Slack ribbon storage on the same tray as mass fusion splices
- A range of accessories for a variety of outside plant needs



Learn about dressing ribbon fiber into FOSC and splice tray here.



Shown with 12 single height trays

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Select a product for more information.



Rollable Ribbon Fiber Cable



FOSC Fiber Splice Closure



Rollable Ribbon Fiber Cable



FOSC600D-XL Fiber Splice Closure with Splice Trays	Dimensions	Total Number of Splices	Number of Splice Trays Included	Number of Splices Per Tray	Description Code	Part Number
3,456 fiber splice capacity. FOSC 600D-XL Fiber Optic Splice Closure Kit with 12 x FOSC D-48 standard size splice trays installed, each capable of up to 288 splices of 12 fiber “rollable ribbon” or “spider ribbon” fiber. Kit also includes 2 x 3-port FOSC 600 gel blocks, XL version slack storage basket, 2 x ground feedthrough lugs, flash test valve, and associated closure hardware and components.	10 in. (25.4 cm) x 10.8 in. (27.4 cm) x 32.6 in. (82.8 cm)	3,456	12	288	FOSC600-D6B-24-12-X2VXL	379484-000
1,728 fiber splice capacity. FOSC 600D-XL Fiber Optic Splice Closure Kit with 6 x FOSC D size Ribbon splice trays installed, each capable of up to 288 splices of ribbon 12 fiber. Kit also includes 2 x 3-port FOSC 600 gel blocks, XL version slack storage basket, 2 x ground feedthrough lugs, flash test valve, and associated closure hardware and components.	10 in. (25.4 cm) x 10.8 in. (27.4 cm) x 32.6 in. (82.8 cm)	1,728	6	288	FOSC600-D6B-R2-6-X2VXL	233947-000
864 fiber splice capacity. FOSC 600D-XL Fiber Optic Splice Closure Kit with 6 x FOSC D size Ribbon splice trays installed, each capable of up to 288 splices of ribbon 12 fiber. Kit also includes 2 x 4-port FOSC 600 gel blocks, XL version slack storage basket, 2 x ground feedthrough lugs, flash test valve, and associated closure hardware and components.	10 in. (25.4 cm) x 10.8 in. (27.4 cm) x 32.6 in. (82.8 cm)	864	6	288	FOSC600-D8B-R2-6-X2VXL	371599-000

CommScope offers a range of fiber splice enclosures to manage 160+ fibers. Please contact your partner or CommScope TAC for more details.

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

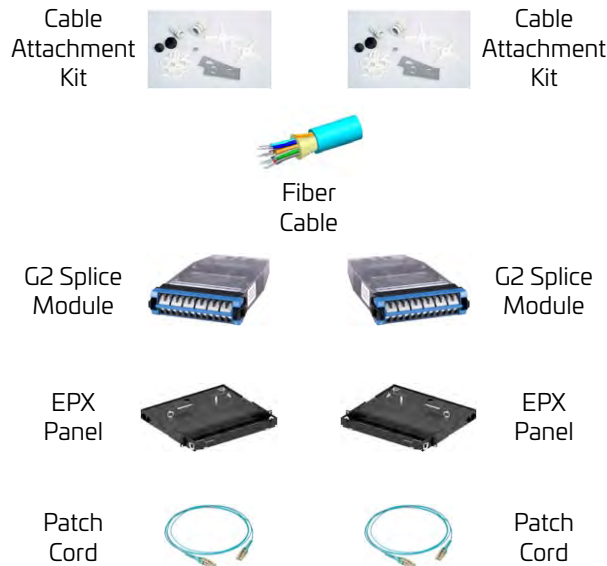
MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

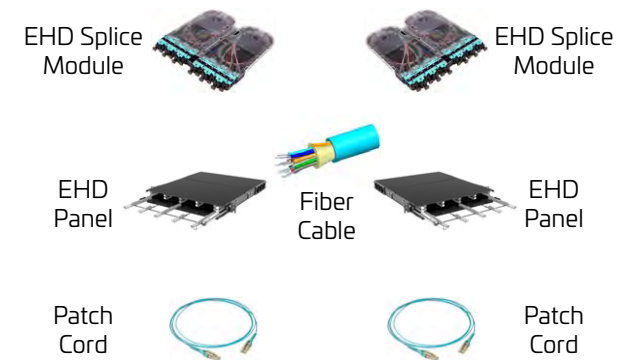
MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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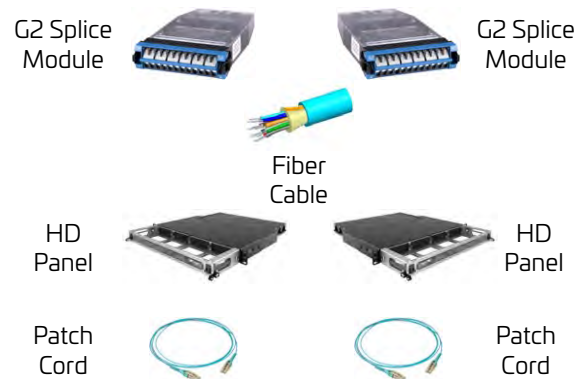
EPX
48 ports LC-D or 32 ports MPO
No cable management
Basic labeling



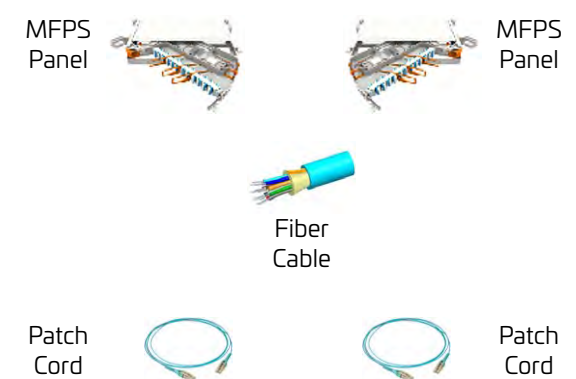
EHD
72 ports LC-D or 72 ports MPO
Front cable management
Labeling option (printer support)
Sliding tray for better cable modules access



HD
48 ports LC-D or 32 ports MPO
Front cable management
Labeling option (printer support)
Sliding tray for easier cable/modules access



Modular Front Patching System (MFPS)
1U, 2U and 3U
Total of 48, 72, 96, 144, 192, 216 or 288 patch positions per shelf
Available in LC and SC
Full front panel access and port-level fiber identification



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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CommScope's MFPS family of solutions is specifically designed to meet the current and future challenges of your dynamic high-density FTTx deployments. The innovative modular design features stackable 40 mm elements. With as many as 288 patch positions in a 3HU size, the MFPS provides best-in-class fiber density.

Yet the space-saving design also gives technicians and installers all the accessibility they need. Each shelf element swings out individually for easy maintenance while protecting all other elements. The fiber management system secures each fiber in the tray while ensuring minimal bend and maximum optical performance.

Available in a variety of configurations and HU sizes, the MFPS family lets you easily customize your patching and splicing capabilities for each cabinet.

Capacity

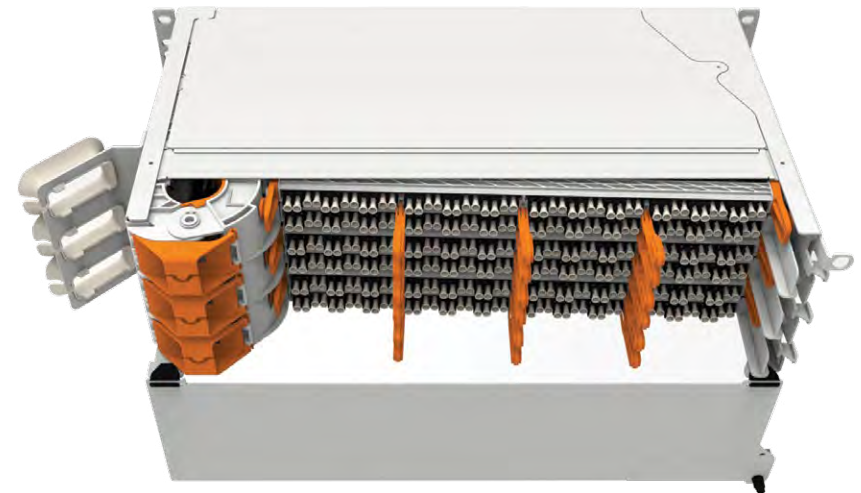
- Compact and stackable 40 mm modules
- Total of 48, 72, 96, 144, 192, 216 or 288 patch positions per shelf
- Highest density of any front panel patch and splice solution

Flexibility

- Available as: splice/patch, patch/patch
- 1, 2, and 3HU sizes
- SC or LC connector

Serviceability

- Full front panel access and port level fiber identification
- Shelf remains closed for all patching operations
- Engineered fiber guides and bend control elements
- Minimal impact on live fibers during service



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Review 19-in. Splice Solutions System Selection here.

EPX HD EHD MFPS

Fits to				Description Code	Part Number
EPX Panels	EPX 1U sliding panel, accepts (4) G2 style splice cassettes, modules or adapter packs, providing up to 48 duplex LC ports			EPX-1U-MOD-ENC	760249998
Fits to	Splice Accessories				Part Number
	Cable Attachment Kit for EPX fiber panel				1671273-1
	Fiber optic splice tray, stackable, for SMOUV splice protectors, 48 splices per tray, SMOUVs and SMOUV holder included				760241378
	Fiber optic splice tray, stackable, 24 splices per tray, for ANT splice protectors, ANT holder included, ANT splice protector to be ordered separately				760245882
	ANT splice protector (qty.: 150)				183398-000
Fits to	Splice Modules/Adapter Packs	Fiber	Module	Description Code	Part Number
	G2 Distribution Adapter Pack 12 LC with internal shutters, Multimode OM4 Aqua	OM4	Adapter Pack	360DPis-24LC-LS	760216754
	G2 Distribution Adapter Pack 24 LC with internal shutters, Multimode OM5 Lime Green	OM5	Adapter Pack	360DPis-24LC-WB	760236041
	G2 Distribution Adapter Pack 12 LC with internal shutters, Singlemode Blue	OS2	Adapter Pack	360DPis-24LC-SM	760216762
Fits to	High Density Panels		RU	Description Code	Part Number
	High Density 1U modular cassette sliding Panel, accepts (4) InstaPATCH® 360 modules or MPO panels, providing up to 48 duplex LC ports, or up to 32 MPO ports		1	HD-1U	760209940
	High Density 2U modular cassette sliding Panel, accepts (8) InstaPATCH 360 modules or MPO panels, providing up to 96 duplex LC ports or up to 64 MPO ports		2	HD-2U	760209957
Fits to	Splice Modules/Accessories	Fiber	Module	Description Code	Part Number
	G2 Splice Cassette 24 LC, OM4, including pigtails	OM4	G2	G2-SP-24LCX-PT	760244927
	G2 Splice Cassette 24 LC, OS2, including pigtails	OS2	G2	G2-SP-24LCG-PT	760244929
	G2 blank adapters, 4 pcs	N/A	N/A	360G2-MOD-BLANK-4PK	760109462
Fits to	Enhanced HD Fiber Panels		RU	Description Code	Part Number
	EHD 1U sliding tray fiber panel, accepts (6) EHD ULL modules, splice cassettes or MPO panels, providing up to 72 duplex LC ports or up to 72 MPO ports		1	EHD-1U	EHD-1U
	EHD 2U sliding tray fiber panel, accepts (12) EHD ULL modules, splice cassettes or MPO panels, providing up to 144 duplex LC ports or up to 144 MPO ports		2	EHD-2U	EHD-2U
	EHD 4U sliding tray fiber panel, accepts (24) EHD ULL modules, splice cassettes or MPO panels, providing up to 288 duplex LC ports or up to 288 MPO ports		4	EHD-4U	EHD-4U
Fits to	EHD Splice Cassettes	Stranded		Ribbon	
		Description Code	Part Number	Description Code	Part Number
	LC Multimode (OM3-OM4)	EHD-SP-24LC-LS-B-ULL	760238935	EHD-SP-24LC-LSR-B-ULL	760238931
	LC Singlemode	EHD-SP-24LC-SM-B-ULL	760238936	EHD-SP-24LC-SMR-B-ULL	760238932
	LC Singlemode	EHD-SP-24LA-SM-B	760238938	EHD-SP-24LA-SMR-B	760238934

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Review 19-in. Splice Solutions System Selection here.

EPX
HD
EHD
MFPS

Fits to	MFPS Panel	Total Number of Fibers	Patch Cord Entry Side	Connector, Splice Type, IEC Attenuation Grade	Description Code	Part Number
	MFPS Fiber Optic Panel, 19-in., 1RU, 48 fibers/HU, splice/patch, ANT/left, 48 LSH/APC, grade B	48	Left	LSH/APC, ANT, B	MFPS-KHD-P-SLE9-048	760248533
	MFPS Fiber Optic Panel, 19-in., 1RU, 48 fibers/HU, splice/patch, ANT/right, 48 LSH/APC, grade B	48	Right	LSH/APC, ANT, B	MFPS-KHD-P-SJE9-048	760244694
	MFPS Fiber Optic Panel, 19-in., 1RU, 48 fibers/HU, splice/patch, ANT/left, 48 LSH/APC, grade B	48	Left	SC/UPC, SMOUV, B	MFPS-KHD-P-SKSF-048	760243360
	MFPS Fiber Optic Panel, 19-in., 1RU, 48 fibers/HU, splice/patch, ANT/right, 48 LSH/APC, grade B	48	Right	SC/UPC, SMOUV, B	MFPS-KHD-P-SISF-04	
	MFPS Fiber Optic Panel, 19-in., 1RU, 48 fibers/HU, splice/patch, SMOUV/left, 48 SC/UPC, grade B	48	Left	LC/UPC, SMOUV, B	MFPS-KHD-P-SKLF-048	760244318
	MFPS Fiber Optic Panel, 19-in., 1RU, 48 fibers/HU, splice/patch, SMOUV/right, 48 SC/UPC, grade B	48	Right	LC/UPC, SMOUV, B	MFPS-KHD-P-SILF-048	760237174
Fits to	MFPS Patch-Splice Shelves	Total Number of Fibers	Patch Cord Entry Side	Connector, Splice Type, IEC Attenuation Grade	Description Code	Part Number
	MFPS Fiber Optic Panel, 19-in., 1RU, 48 fibers/HU, splice/patch, ANT/left, 48 LSH/APC, grade B	48	Left	LSH/APC, ANT, B	MFPS-KHD-P-SLE9-048	760248533
	MFPS Fiber Optic panel, 19-in., 1RU, 48 fibers/HU, splice/patch, ANT/right, 48 LSH/APC, grade B	48	Right	LSH/APC, ANT, B	MFPS-KHD-P-SJE9-048	760244694
	MFPS Fiber Optic Panel, 19-in., 1RU, 48 fibers/HU, splice/patch, SMOUV/left, 48 SC/UPC, grade B	48	Left	SC/UPC, SMOUV, B	MFPS-KHD-P-SKSF-048	760243360
	MFPS Fiber Optic Panel, 19-in., 1RU, 48 fibers/HU, splice/patch, SMOUV/right, 48 SC/UPC, grade B	48	Right	SC/UPC, SMOUV, B	MFPS-KHD-P-SISF-048	
	MFPS Fiber Optic Panel, 19-in., 1RU, 48 fibers/HU, splice/patch, SMOUV/left, 48 LC/UPC, grade B	48	Left	LC/UPC, SMOUV, B	MFPS-KHD-P-SKLF-048	760244318
	MFPS Fiber Optic panel, 19-in., 1RU, 48 fibers/HU, splice/patch, SMOUV/right, 48 LC/UPC, grade B	48	Right	LC/UPC, SMOUV, B	MFPS-KHD-P-SILF-048	760237174
	MFPS Fiber Optic Panel, 19-in., 2RU, 48 fibers/HU, splice/patch, ANT/left, LSH/APC, grade B	96	Left	LSH/APC, ANT, B	MFPS-JHD-P-SLE9-096	760248534
	MFPS Fiber Optic panel, 19-in., 2RU, 48 fibers/HU, splice/patch, ANT/right, 96 LSH/APC, grade B	96	Right	LSH/APC, ANT, B	MFPS-JHD-P-SJE9-096	760244695
	MFPS Fiber Optic panel, 19-in., 2RU, 48 fibers/HU, splice/patch, SMOUV/left, 96 SC/UPC, grade B	96	Left	SC/UPC, SMOUV, B	MFPS-JHD-P-SKSF-096	
	MFPS Fiber Optic panel, 19-in., 2RU, 48 fibers/HU, splice/patch, SMOUV/right, 96 SC/UPC, grade B	96	Right	SC/UPC, SMOUV, B	MFPS-JHD-P-SISF-096	
	MFPS Fiber Optic Panel, 19-in., 1RU, 96 fibers/HU, splice/patch, SMOUV/left, 96 LC/UPC, grade B	96	Left	LC/UPC, SMOUV, B	MFPS-KXD-P-SKLF-096	760238812
	MFPS Fiber Optic Panel, 19-in., 1RU, 96 fibers/HU, splice/patch, SMOUV/right, 96 LC/UPC, grade B	96	Right	LC/UPC, SMOUV, B	MFPS-KXD-P-SILF-096	760244680
	MFPS Fiber Optic Panel, 19-in., 3RU, 48 fibers/HU, splice/patch, ANT/left, 144 LSH, grade B	144	Left	LSH/APC, ANT, B	MFPS-IHD-P-SLE9-144	760248535
	MFPS Fiber Optic panel, 19-in., 2.8RU, 48 fibers/HU, splice/patch, ANT/right, 144 LSH/APC, grade B	144	Right	LSH/APC, ANT, B	MFPS-IHD-P-SJE9-144	760244696
	MFPS Fiber Optic panel, 19-in., 2.8RU, 48 fibers/HU, splice/patch, SMOUV/left, 144 SC/UPC, grade B	144	Left	SC/UPC, SMOUV, B	MFPS-JHD-P-SKSF-144	
	MFPS Fiber Optic panel, 19-in., 2.8RU, 48 fibers/HU, splice/patch, SMOUV/right, 144 SC/UPC, grade B	144	Right	SC/UPC, SMOUV, B	MFPS-JHD-P-SISF-144	
	MFPS Fiber Optic Panel, 19-in., 2RU, 72 fibers/HU, splice/patch, SMOUV/left, 144 LC/UPC, grade B	144	Left	LC/UPC, SMOUV, B	MFPS-JED-P-SKLF-144	760241521
	MFPS Fiber Optic panel, 19-in., 2RU, 72 fibers/HU, splice/patch, SMOUV/right, 144 LC/UPC, grade B	144	Right	LC/UPC, SMOUV, B	MFPS-JED-P-SILF-144	760237807
MFPS Fiber Optic Panel, 19-in., 3RU, 96 fibers/HU, splice/patch, SMOUV/left, 288 LC/UPC, grade B	288	Left	LC/UPC, SMOUV, B	MFPS-IXD-P-SKLF-288	760238814	
MFPS Fiber Optic panel, 19-in., 2.8RU, 96 fibers/HU, splice/patch, SMOUV/right, 288 LC/UPC, grade B	288	Right	LC/UPC, SMOUV, B	MFPS-IXD-P-SILF-288	EH6586-000	

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

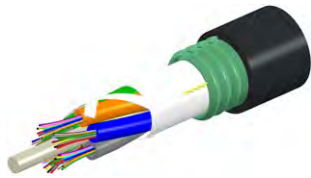
MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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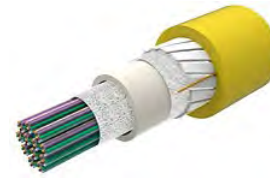
Select a product for more information.



Outdoor Armored Cable



Indoor Stranded Microsheath Cable



Indoor Rollable Ribbon Central Loose Tube Cable



Indoor Rollable Ribbon Loose Tube Cable



Indoor/Outdoor Rollable Ribbon Central Tube Cable, Interlocking Armored



Indoor/Outdoor Rollable Ribbon Loose Tube Cable, Interlocking Armored



Indoor/Outdoor Rollable Ribbon Central Loose Tube Cable



Indoor/Outdoor Rollable Ribbon Loose Tube Cable



Outdoor Rollable Ribbon Stranded Loose Tube Cable, Armored



Outdoor Rollable Ribbon Stranded Loose Tube Cable

Learn more about CommScope's [Rollable Ribbon Fiber Solutions here.](#)

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

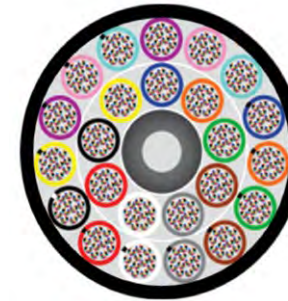
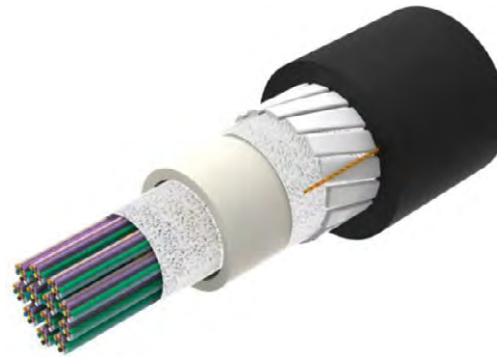
MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Advances in technology have enabled the data center industry to keep ahead of the insatiable demand for more capacity and bandwidth. Faster processors, higher density storage and high-speed, more cost-effective connectivity have been key contributors to this success.

Rollable ribbon fiber technology is one of the latest technology advances that helps data center managers meet demand while maximizing precious space in pathways and ducts. The inherent flexibility of the rollable ribbon matrix allows it to deliver up to twice as many fibers within the same cable diameter as conventional flat ribbon cables while maintaining the installation advantages that ribbon technology offers.

CommScope's rollable ribbon solutions extend well beyond just fiber cable. From the outside plant networks, to building entrance, meet-me rooms and even extending to customer cages, CommScope offers a comprehensive range of singlemode fiber solutions that fully exploit rollable ribbon fiber technology—offering MTDC operators and their clients faster time-to-service and better utilization of valuable space in the data center.



Rollable Ribbon Fiber Cable



Flat Ribbon Fiber Cable

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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CommScope's rollable ribbon technology utilizes partially bonded fiber ribbons composed of 12 fibers. Unlike conventional ribbons, which are fully longitudinally bonded, rollable ribbons are partially bonded. As seen here, the partial bonding process used with rollable ribbons allows them to be easily separated and "rolled" into a cylinder, thus making much better use of space when compared with flat ribbons.

Cables containing rollable ribbon fibers offer significant advantages over flat ribbon fiber cables, including the following:

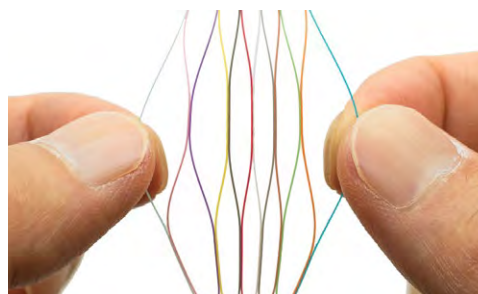
- Double the fiber density of standard matrix flat ribbons
- Smaller, lighter cables simplify handling and installation
- Significant reduction in splice time through use of mass fusion splicing
- No preferential bend (common in flat matrix ribbons)
- Easy separation for splicing or connectorization

- Smaller bend radii due to smaller cable diameter, allowing smaller telecom spaces such as closures, panels and hand holes
- Outdoor cables available in gel-free construction
- Fiber counts available from 144 to 3,456

OSP rollable ribbon fiber cables offer double the fiber counts compared with flat ribbon fiber cables as shown in the table below comparing several duct sizes.



Max Fiber Count	1 in. (2.5 cm) duct	1 1/4 in. (3.2 cm) duct	2 in. (5 cm) duct
Flat Ribbon	432	864	1728
Rollable Ribbon	864	1728	3456



Rollable Ribbon



Conventional Flat Ribbon Matrix (Side View and Top View)

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Rollable Ribbon Non-Armored External Fiber Optic Cable	Total Number of Fibers	Fibers Per Sub-Unit	Sheath Material	Outer Diameter	Minimum Bend Radius, Loaded	Description Code	Part Number
Outdoor Non-Armored, All-Dielectric, Gel-Free, Stranded Loose Tube Rollable Ribbon Cable	1728	288	UV Stabilized	0.988 in. (25.1 mm)	14.843 in. (377 mm)	D-1728-LN-RR-F12NS/8W/99H	760239389
Outdoor Non-Armored, All-Dielectric, Gel-Free, Stranded Loose Tube Rollable Ribbon Cable	864	144	UV Stabilized	0.827 in. (21 mm)	12.362 in. (314 mm)	D-864-LN-RR-F12NS/8W/99H	760241354
Rollable Ribbon Armored External Fiber Optic Cable	Total Number of Fibers	Fibers Per Sub-Unit	Sheath Material	Outer Diameter	Minimum Bend Radius, Loaded	Description Code	Part Number
Outdoor Steel Armored, Gel-Free, Stranded Loose Tube Rollable Ribbon Cable	1728	288	UV Stabilized	1.055 in. (26.8 mm)	15.787 in. (401 mm)	D-1728-LA-RR-F12NS/8W/99H	760239858
Outdoor Steel Armored, Gel-Free, Stranded Loose Tube Rollable Ribbon Cable	864	144	UV Stabilized	0.913 in. (23.2 mm)	13.701 in. (348 mm)	D-864-LA-RR-F12NS/8W/99H	760241358
Rollable Ribbon Non-Armored Indoor / Outdoor Armored External Fiber Optic Cable	Total Number of Fibers	Fibers Per Sub-Unit	Sheath Material	Outer Diameter	Minimum Bend Radius, Loaded	Description Code	Part Number
Outdoor/Indoor LSZH Rollable Ribbon Cable with 200um Fibers	3456	576	LSZH Cca	1.083 in. (27.5mm)		Z-3456-LN-RR-F12BK/8G1/99L/200/C	760250982
Indoor/Outdoor, All-Dielectric, Low Smoke Zero Halogen (LSZH), Riser-Rated, Gel-Free, Loose Tube Rollable Ribbon Cable	1728	288	LSZH B2ca	1 in. (25.4 mm)	20 in. (508 mm)	Z-1728-LN-RR-F12BK/8G1/99H/B2	760244183
Indoor/Outdoor, All-Dielectric, Low Smoke Zero Halogen (LSZH), Riser-Rated, Gel-Free, Central Tube Rollable Ribbon Cable	864	Single Central Tube	LSZH Cca	0.768 in. (19.5 mm)	15.354 in. (390 mm)	Z-864-CN-RR-F12BK/8G1/99G/C	760239025
Rollable Ribbon Armored Indoor / Outdoor Armored External Fiber Optic Cable	Total Number of Fibers	Fibers Per Sub-Unit	Sheath Material	Outer Diameter	Minimum Bend Radius, Loaded	Description Code	Part Number
Indoor/Outdoor, Riser-Rated, Gel-Free, Inner Low Smoke Zero Halogen (LSZH) Stranded Loose Tube Rollable Ribbon Cable with Aluminum Interlocking Armor and a LSZH Outer Jacket	1728	288	LSZH B2ca	1.354 in. (34.4 mm)	20.315 in. (516 mm)	Z-1728-LZ-RR-F12BK/8G1/99H/B2	760245915
Indoor/Outdoor, Interlocking Armored, Low Smoke Zero Halogen (LSZH), Riser-Rated, Gel-Free, Central Tube Rollable Ribbon Cable	864	Single Central Tube	LSZH B2ca	1.106 in. (28.1 mm)	22.126 in. (562 mm)	Z-864-CZ-RR-F12BK/8G1/99G/B2	760239052
Rollable Ribbon Non-Armored Indoor Fiber Optic Cable	Total Number of Fibers	Fibers Per Sub-Unit	Sheath Material	Outer Diameter	Minimum Bend Radius, Loaded	Description Code	Part Number
Indoor, All-Dielectric, Low Smoke Zero Halogen (LSZH), Riser-Rated, Gel-Free, Loose Tube Rollable Ribbon Cable	1728	288	LSZH B2ca	1 in. (25.4 mm)	20 in. (508 mm)	N-1728-LN-RR-F12YL/8G1/99H/B2	760244182
Indoor, All-Dielectric, Low Smoke Zero Halogen (LSZH), Riser-Rated, Gel-Free, Central Tube Rollable Ribbon Cable	864	Single Central Tube	LSZH Cca	0.768 in. (19.5 mm)	15.354 in. (390 mm)	N-864-CN-RR-F12YL/8G1/99G/C	760242275
Indoor, All-Dielectric, Low Smoke Zero Halogen (LSZH), Riser-Rated, Gel-Free, Central Tube Rollable Ribbon Cable	288	Single Central Tube	LSZH Cca	0.492 in. (12.5 mm)	9.843 in. (250 mm)	N-288-CN-RR-F12YL/8G1/99G/C	760239308
Indoor All-Dielectric, Low Smoke Zero Halogen (LSZH), Riser-Rated, Gel-Free, Central Tube Rollable Ribbon Cable	144	Single Central Tube	LSZH Cca	0.413 in. (10.5 mm)	8.268 in. (210 mm)	N-144-CN-RR-F12YL/8G1/99G/C	760239307

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Stranded Non-Armored Microsheath Indoor Fiber Optic Cable	Total Number of Fibers	Fibers Per Sub-Unit	Sheath Material	Outer Diameter	Minimum Bend Radius, Loaded	Description Code	Part Number
Single Jacket All-Dielectric, Gel-Free, Indoor Stranded Microsheath Tube Cable OS2	144	12	LSZH Cca	0.402 in. (10.2 mm)	7.874 in. (200 mm)	L-144-LN-8F-M12YL/14D/GY/C	760243186
Single Jacket All-Dielectric, Gel-Free, Indoor Stranded Microsheath Tube Cable OS2	96	12	LSZH Cca	0.331 in. (8.4 mm)	6.693 in. (170 mm)	POC-FOMCRO-LSZH-96X4-CCA-STD	760245018
Single Jacket All-Dielectric, Gel-Free, Indoor Stranded Microsheath Tube Cable OS2	48	12	LSZH Cca	0.26 in. (6.6 mm)	5.118 in. (130 mm)	L-048-LN-8F-M12YL/14D/GY/C	760245020
Single Jacket All-Dielectric, Gel-Free, Indoor Stranded Microsheath Tube Cable OS2	24	12	LSZH Cca	0.26 in. (6.6 mm)	5.118 in. (130 mm)	L-024-LN-8F-M12YL/14D/GY/C	760245021
Single Jacket All-Dielectric, Gel-Free, Indoor Stranded Microsheath Tube Cable OS2	12	12	LSZH Cca	0.26 in. (6.6 mm)	5.118 in. (130 mm)	L-012-LN-8F-M12YL/14D/GY/C	760245022
Distribution Non-Armored Indoor Fiber Optic Cable	Total Number of Fibers	Fibers Per Sub-Unit	Sheath Material	Outer Diameter	Minimum Bend Radius, Loaded	Description Code	Part Number
TeraSPEED® Low Smoke Zero Halogen Riser, 48 fiber multi-unit with 12 fiber subunits	48	12	LSZH Cca	0.637 in. (16.19 mm)	9.567 in. (243 mm)	N-048-DS-8W-FMUYL/C	760004291
TeraSPEED Low Smoke Zero Halogen Riser, 24 fiber single-unit, singlemode	24	N/A	LSZH B2ca	0.347 in. (8.82 mm)	5.197 in. (132 mm)	N-024-DS-8W-FSUYL/B2	760241765
TeraSPEED Low Smoke Zero Halogen Riser, 12 fiber single-unit, singlemode	12	N/A	LSZH B2ca	0.240 in. (6.1 mm)	3.622 in. (92 mm)	N-012-DS-8W-FSUYL/B2	760248874
Loose Tube Cable Outdoor, Armored	Fiber Type	Fiber Count	Jacket Material	Description Code	Part Number		
Singlemode OS2 Single Jacket/Single Armor, Gel-Free, Outdoor Stranded Loose Tube Cable, 48 fibers	OS2	48	N/A	D-048-LA-8W-F12NS	760053314		
Singlemode OS2 Single Jacket/Single Armor, Gel-Free, Outdoor Stranded Loose Tube Cable, 96 fibers	OS2	96	N/A	D-096-LA-8W-F12NS	760053348		
Singlemode OS2 Single Jacket/Single Armor, Gel-Free, Outdoor Stranded Loose Tube Cable, 144 fibers	OS2	144	N/A	D-144-LA-8W-F12NS	760053355		
Singlemode OS2 Single Jacket/Single Armor, Gel-Free, Outdoor Stranded Loose Tube Cable, 288 fibers	OS2	288	N/A	D-288-LA-8W-F12NS	760053363		

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure


MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information


MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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LC/LC UPC Singlemode

	Length	Description Code	Part Number
 <p>Ultra Low Loss Singlemode, LC Uniboot to LC Uniboot, 1.5 mm Duplex Fiber Patch Cord, Low Smoke Zero Halogen/Riser</p>	1 m	UFGLULUK2-JXM001	UFGLULUK2
	2 m	UFGLULUK2-JXM002	UFGLULUK2
	3 m	UFGLULUK2-JXM003	UFGLULUK2
	5 m	UFGLULUK2-JXM005	UFGLULUK2
	7 m	UFGLULUK2-JXM007	UFGLULUK2
	10 m	UFGLULUK2-JXM010	UFGLULUK2


LC/SC UPC Singlemode

	Length	Description Code	Part Number
 <p>Fiber Optic Patch Cord, Duplex, Singlemode, LC/UPC to SC/UPC, yellow, LSZH/Riser</p>	1 m	OCJ-L1-01MASHA-S1	
	2 m	OCJ-L1-02MASHA-S1	
	3 m	OCJ-L1-03MASHA-S1	CC0905-000
	5 m	OCJ-L1-05MASHA-S1	CC0906-000
	7 m	OCJ-L1-07MASHA-S1	
	10 m	OCJ-L1-10MASHA-S1	CC0908-000


LSH/LSH

	Length	Description Code
 <p>LSH APC / LSH APC patchcord, singlemode, 1.8 mm, LSZH</p>	1 m	OCJ-EC-01MASIA-EC
	2 m	OCJ-EC-02MASIA-EC
	3 m	OCJ-EC-03MASIA-EC
	5 m	OCJ-EC-05MASIA-EC
	10 m	OCJ-EC-10MASIA-EC
	15 m	OCJ-EC-15MASIA-EC
	20 m	OCJ-EC-20MASIA-EC

LSH/LC APC

	Length	Description Code
 <p>LSH APC / LC APC patchcord, singlemode, 1.8 mm, LSZH</p>	2 m	OCJ-EC-02MASIA-LG
	5 m	OCJ-EC-05MASIA-LG
	10 m	OCJ-EC-10MASIA-LG
	15 m	OCJ-EC-15MASIA-LG

LSH/LC UPC

	Length	Description Code
 <p>LSH APC / LC UPC patchcord, singlemode, 1.8 mm, LSZH</p>	2 m	OCJ-EC-02MASIA-LF
	5 m	OCJ-EC-05MASIA-LF
	10 m	OCJ-EC-10MASIA-LF
	15 m	OCJ-EC-15MASIA-LF

Cable Management	Description Code	Part Number
Overlength storage, 4U	N/A	1671711-1
Horizontal cable through, 2U, single sided	HKT-19-SS-2U	760072959
Horizontal cable through, 3U, single sided	HKT-19-SS-3U	760072967
Cable Manager 1U	N/A	1671495-1
Cable Manager 2U	N/A	1671495-2
Cable Manager 4U	N/A	1671495-4
Cable Manager 6U	N/A	1671495-6
Cable Manager 15U	N/A	1-1671495-5
Filler/Blank Panel, 1U x 19-in., Solid, Black	FPANEL-19-1U	760162065
1U Patchcord Management	HCM-19-SS-1U-EMEA	760038240

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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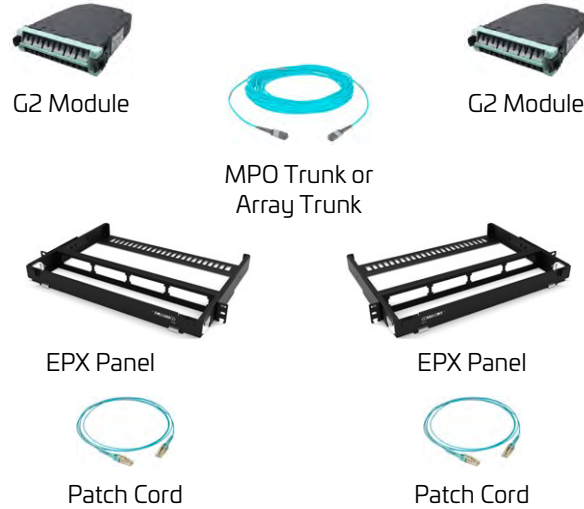
Pre-terminated Fiber Systems

Pre-terminated 19-in. Fiber System Solutions

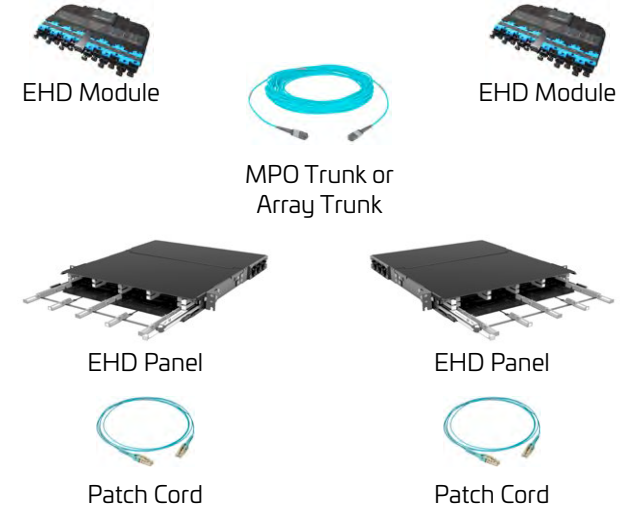
Pre-terminated FACT ODF Fiber System Solutions



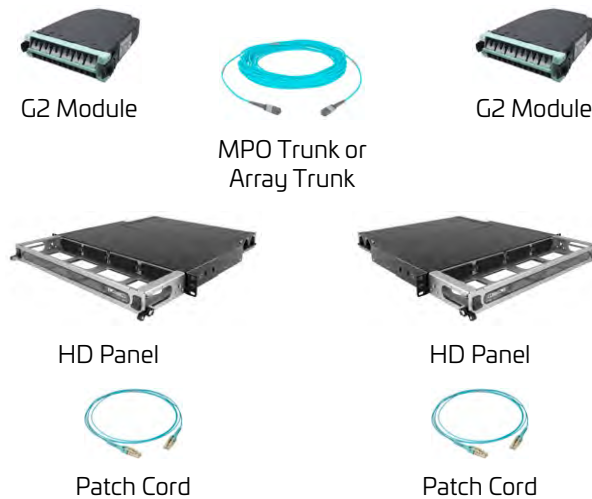
EPX
48 ports LC-D or 32 ports MPO
No cable management
Basic labeling



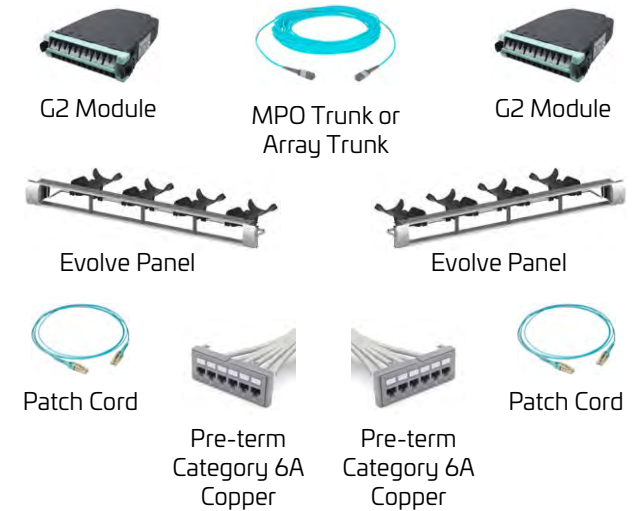
EHD
72 ports LC-D or 72 ports MPO
Front cable management
Labeling option (printer support)
Sliding tray for better cable modules access
Panels available in 1, 2 and 4RU



HD
48 ports LC-D or 32 ports MPO
Front cable management
Labeling option (printer support)
Sliding tray for easier cable/modules access
Panels available in 1, 2 and 4RU



Evolve Mixed Media
For mixed copper and fiber installations
Fiber 48 ports LC-D or 32 ports MPO; Copper: 24 RJ45 ports
No cable management
Basic labeling
Panels available in 1RU



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Review Pre-terminated 19-in. Fiber System Selection here.

EPX
HD
EHD
Evolve Mixed Media

Fits to		Fits to Reference Designs				RU	Description Code	Part Number
	EPX Fiber Panel EPX 1U open fixed panel, accepts (4) G2 style splice cassettes, modules or adapter packs, providing up to 48 duplex LC ports					1	EPX-1U-MOD-OPEN-FX	760251098
Fits to	HD Fiber Panels	Fits to Reference Designs				RU	Description Code	Part Number
	High Density 1U modular cassette sliding Panel, accepts (4) G2 modules or adapter packs, providing up to 48 duplex LC ports, or up to 32 MPO ports					1	HD-1U	760209940
	High Density 2U modular cassette sliding Panel, accepts (8) InstaPATCH 360 modules or MPO panels, providing up to 96 duplex LC ports or up to 64 MPO ports					2	HD-2U	760209957
Fits to	EHD Fiber Panels	Fits to Reference Designs				RU	Description Code	Part Number
	EHD 1U sliding tray fiber panel, accepts (6) EHD ULL modules, splice cassettes or MPO panels, providing up to 72 duplex LC ports or up to 72 MPO ports	 				1	EHD-1U	EHD-1U
	EHD 2U sliding tray fiber panel, accepts (12) EHD ULL modules, splice cassettes or MPO panels, providing up to 144 duplex LC ports or up to 144 MPO ports	   				2	EHD-2U	EHD-2U
	EHD 4U sliding tray fiber panel, accepts (24) EHD ULL modules, splice cassettes or MPO panels, providing up to 288 duplex LC ports or up to 288 MPO ports	   				4	EHD-4U	EHD-4U
Fits to	Accessories for Evolved and Enhanced HD Patch Cord/Array Trunk Fitting Kit							Part Number
	Patch cord/array trunk fitting kit with 12 cable glands							760242678
	Trunk fitting kit with 12 cable glands							760242679
Fits to	Evolve Mixed Media Panels	Fits to Reference Designs				Copper Tech	Description Code	Part Number
	SYSTIMAX GigaSPEED® X10D® and GigaSPEED XL® Evolve 1U U/UTP Panel Kit	 				U/UTP	360-E-KIT-1U	760155739
	SYSTIMAX GigaSPEED X10D Evolve 1U F/UTP Panel Kit	 				F/UTP	360-IPR-MFTP-E-HD6B-1U-24	760150144
Fits to	Evolve Mixed Media Panels Accessories						Description Code	Part Number
	SYSTIMAX 360 1100 Evolve G2 BEZEL (Cool Gray)						360-1100-E-FB-4PK	760175877
	SYSTIMAX 360 1100 Evolve Fiber Cable Management						361 1100-E-FCM	760175919
	SYSTIMAX 360 1100 Evolve G2 BEZEL (Blank)						360-1100-E-BB	760165191
Fits to	EHD Modules		Connector	Fiber	Module		Description Code	Part Number
	EHD ULL MPO-12 distribution module, 24LC to 2x12f MPOs unpinned, singlemode, dust plugs		MPO12	OS2	Distribution		EHD12-DM-24LC-SM-B-ULL	760237992
	EHD MPO Adapter Pack, 12 x MPO		Universal MPO	Universal	MPO Adapter Pack		EHD-DP-12MPO-ALL-B	760235622
	EHD ULL MPO-12 distribution module, 24LC to 2x12f MPOs unpinned, OM4, dust plugs		MPO12	OM4	Distribution		EHD12-DM-24LC-LS-B-ULL	760237993
	EHD ULL MPO-12 distribution module, 24LC to 2x12f MPOs unpinned, OM5 Wideband, dust plugs		MPO12	OM5	Distribution		EHD12-DM-24LC-WB-B-ULL	760237994
	EHD 12 port LC adapter pack, single mode, UPC duplex		LC	OS2	LC Adapter Pack		EHD-DP-12LC-SM	760238904
	EHD 12 port LC adapter pack, OM4, UPC duplex		LC	OM4	LC Adapter Pack		EHD-DP-12LC-LS	760238903
	EHD 12 port LC adapter pack, OM5 UPC duplex		LC	OM5	LC Adapter Pack		EHD-DP-12LC-WB	760238902

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Review Pre-terminated 19-in. Fiber System Selection here.

EPX

HD

EHD

Evolve Mixed Media

Fits to	G2 Fiber Modules/Adapter Packs		Connector	Fiber	Module	Description Code	Part Number
<div style="display: flex; flex-direction: column; gap: 5px;"> <div style="width: 10px; height: 10px; background-color: #FFC000; border: 1px solid black;"></div> <div style="width: 10px; height: 10px; background-color: #FF0000; border: 1px solid black;"></div> <div style="width: 10px; height: 10px; background-color: #008000; border: 1px solid black;"></div> </div>	G2 ULL MPO-12 distribution module, 24LC to 2x12f MPO unpinned, OM5 Wideband, internal shutter		MPO12	OM5	Distribution	DM12-24LC-WB-ULL	760236111
	G2 ULL MPO-12 distribution module, 24LC to 2x12f MPO unpinned, OM4 internal shutter		MPO12	OM4	Distribution	DM12-24LC-LS-ULL	760236110
	G2 ULL 2x3 LazrSPEED® OM4 Conversion Module, (2) MPO-12 unpinned ports rear, (3) MPO-8 pinned front		MPO12	OM4	Conversion	CM12-2x3-LS-ULL	760237217
	G2 ULL 2x3 LazrSPEED OM5 Conversion Module, (2) MPO-12 unpinned ports rear, (3) MPO-8 pinned front		MPO12	OM5	Conversion	CM12-2x3-WB-ULL	760237218
	G2 ULL MPO-12 distribution module, 24LC to 2x12f MPOs unpinned, singlemode internal shutter		MPO12	OS2	Distribution	DM12-24LC-SM-ULL	760238083
	G2 ULL 2x3 Singlemode Conversion Module, (2) MPO-12 unpinned ports rear, (3) MPO-8 pinned front		MPO12	OS2	Conversion	CM12-2X3-SM-ULL	760237216
	G2 Distribution Adapter Pack, 36ODP-8MPO, 8 x MPO		N/A	Universal	MPO Adapter Pack	36ODP-8MPO	760107524
	G2 Distribution Adapter Pack 24 LC with internal shutters, Multimode OM4 Aqua		N/A	OM4	LC Adapter Pack	36ODPis-24LC-LS	760216754
	G2 Distribution Adapter Pack 24 LC with internal shutters, Multimode OM5 Lime Green		N/A	OM5	LC Adapter Pack	36ODPis-24LC-WB	760236041
	G2 Distribution Adapter Pack 24 LC with internal shutters, Singlemode Blue		N/A	OS2	LC Adapter Pack	36ODPis-24LC-SM	760216762
G2 blank adapters, 4 pcs		N/A	N/A	Blank Panel	36OG2-MOD-BLANK-4PK	760109462	
Fits to	Cable Management	Fits to Reference Designs				Description Code	Part Number
<div style="display: flex; flex-direction: column; gap: 5px;"> <div style="width: 10px; height: 10px; background-color: #FFC000; border: 1px solid black;"></div> <div style="width: 10px; height: 10px; background-color: #800080; border: 1px solid black;"></div> <div style="width: 10px; height: 10px; background-color: #FF0000; border: 1px solid black;"></div> <div style="width: 10px; height: 10px; background-color: #008000; border: 1px solid black;"></div> </div>	Overlength storage, 4U	■ ■					1671711-1
	Horizontal cable through, 2U, single sided	■ ■				HKT-19-SS-2U	760072959
	Horizontal cable through, 3U, single sided					HKT-19-SS-3U	760072967
	Cable Manager 1U	■ ■ ■ ■					1671495-1
	Cable Manager 2U	■ ■ ■ ■					1671495-2
	Cable Manager 4U	■ ■ ■ ■					1671495-4
	Cable Manager 6U	■ ■ ■ ■					1671495-6
	Cable Manager 15U	■ ■					1-1671495-5
	Filler/Blank Panel, 1U x 19-in., Solid, Black	■ ■				FPANEL-19-1U	760162065
	1U Patchcord Management					HCM-19-SS-1U-EMEA	760038240

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Review Pre-terminated 19-in. Fiber System Selection here.

All cable assemblies on this page fit to:

- EPX
- HD
- EHD
- Evolve Mixed Media



SYSTIMAX ULL MPO-12 Trunk Cables

SYSTIMAX ULL Pre-terminated Trunk Cables

12-fiber MPO connector-based modules available in LazrSPEED 550 OM4 and LazrSPEED OM5 Wideband multimode fiber solutions

12-fiber MPO connector-based modules available in TeraSPEED singlemode fiber solutions

Factory-terminated and tested trunk cables provide superior quality and performance for field connections

Reliable transmit-to-receive connectivity using Method B Enhanced polarity maintenance maximizes administrative convenience

Simplified reconfiguration for moves, adds and changes (MACs)

Easy upgrade path to parallel transmission and associated applications, and increased value of existing infrastructure

SYSTIMAX ULL trunks are provisioned with pins to interface with G2 and EHD ULL modules (without pins)

1 U	2 3	3 X	4 5 M X	6 7 M X	8 A	9 10 11 D - M	12 A	13 F	14-16 010	
Construction type U Ultra-Low Loss	Family 3 Trunk, LSZH/Riser, CPR Class B2ca G Trunk, LSZH/Riser, CPR Class Dca	Fiber type G TeraSPEED singlemode (A2) X LazrSPEED 550 multimode V LazrSPEED OM5 WB multimode	Termination end A MX MPO (pinned)	Termination end B MX MPO (pinned)	Construction A 12 Fiber PmP	Fiber count D 12-fiber F 24-fiber H 48-fiber K 72-fiber L 96-fiber M 144-fiber	Color M Aqua N Lime green J Yellow LazrSPEED OM4 standard is aqua LazrSPEED OM5 standard is lime green TeraSPEED singlemode standard is yellow	Options A No gland B With gland C With pulling eye C for cabling between HD & EHD panels A for cabling between AGL panels and between AGL panels and EHD/HD panels Use accessory gland for patch cords in case gland is required on one side only	Unit of measure F Feet M Meter	Length 010-999 Feet 003-305 Meter

Note: For MPO-8 and MPO-24 products and other trunk configurations please contact your CommScope sales representative.

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Review Pre-terminated 19-in. Fiber System Selection here.

All cable assemblies on this page fit to:

- EPX
- HD
- EHD
- Evolve Mixed Media

SYSTIMAX ULL MPO Array Trunks

12-fiber MPO connector-based modular design enables simple connections

Array trunks are constructed with 550 OM4 and OM5 Wideband and singlemode fibers

Factory-terminated and tested for instant field connections giving guaranteed quality and performance

MPO-MPO array trunks are constructed with 3.0 mm PmP array cords

SYSTIMAX ULL MPO/LC Array Cords

TeraSPEED singlemode or multimode 12 fiber MPO connectors ensure fast and simple connections

Available in LazrSPEED 550 OM4 and LazrSPEED 550 OM5 Wideband multimode fibers

Factory-terminated and tested trunk cables provide superior quality and performance for field connections

MPO-LC array fanouts are constructed with 1.6 mm reinforced zipcord furcation tubing for outstanding durability and dependability

Array fanouts available with multiple breakout lengths for simple installation



SYSTIMAX ULL MPO Array Trunks

1 U	2 R	3 X	4 M	5 X	6 M	7 X	8 G	9 D	10 -	11 M	12 E	13 F	14-16 010
Construction type U Ultra-Low Loss	Cable family R LSZH array	Fiber type G TeraSPEED singlemode (A2) X LazrSPEED 550 multimode V LazrSPEED OM5 WB multimode	Connector 1 MX 12f MPO (pinned)		Connector 2 MX 12f MPO (pinned)		Cordage size G 12-fiber PmP Array Cord	Fiber count D 12-fiber	Color M Aqua N Lime green J Yellow	Breakout length D 12 in breakout, no gland E 24 in breakout, no gland H 48 in breakout, no gland L 72 in breakout, no gland P 96 in breakout, no gland A No gland, no breakout		Unit of measure F Feet M Meter	Length minimal length based on breakout 12 in 3-999 ft 24 in 4-999 ft 48 in 6-999 ft 72 in 8-999 ft 96 in 10-999 ft
		*2P, 2X and 2C only available for multimode fiber										12 in 1-305 m 24-48 in 2-305 m 72 in 3-305 m 96 in 4-305 m	



SYSTIMAX ULL MPO/LC Array Cords

1 U	2 N	3 X	4 M	5 P	6 L	7 C	8 G	9 D	10 -	11 M	12 E	13 F	14-16 010
Construction type U Ultra-Low Loss	Cable family N LSZH array	Fiber type G TeraSPEED singlemode (A2) X LazrSPEED 550 multimode V LazrSPEED OM5 WB multimode	Connector 1 MP 12f MPO (unpinned)		Connector 2 LC LC connector		Cordage size G 12-fiber PmP Array Cord	Fiber count D 12-fiber	Color M Aqua N Lime green J Yellow	Breakout length D 12 in breakout, no gland E 24 in breakout, no gland H 48 in breakout, no gland L 72 in breakout, no gland P 96 in breakout, no gland		Unit of measure F Feet M Meter	Length minimal length based on breakout 12 in 3-999 ft 24 in 4-999 ft 48 in 6-999 ft 72 in 8-999 ft 96 in 10-999 ft
												12 in 1-305 m 24-48 in 2-305 m 72 in 3-305 m 96 in 4-305 m	

Note: For MPO-8 and MPO-24 products and other trunk configurations please contact your CommScope sales representative.

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Review Pre-terminated 19-in. Fiber System Selection [here](#).

All cable assemblies on this page fit to:

EPX

HD

EHD

Evolve Mixed Media



SYSTIMAX ULL LC-LC Pre-terminated Array Trunks

LC/LC trunks, 24 f	Patch Cord Type	Jacket Material	Fiber Type	Description Code	Part Number
LC/LC Microdistribution-cable, 12 x LC Duplex uniboot on each side, flexible cable construction, OD 3 mm	N/A	LSZH/Riser	OM4	URXLULUHF	URXLULUHF
LC/LC Microdistribution-cable, 12 x LC Duplex uniboot on each side, flexible cable construction, OD 3 mm	N/A	LSZH/Riser	OM5	URVLULUHF	URVLULUHF
LC/LC Microdistribution-cable, 12 x LC Duplex uniboot on each side, flexible cable construction, OD 3 mm	N/A	LSZH/Riser	OS2	FRWLULUHF	FRWLULUHF

SYSTIMAX ULL Patch Cords

Patch Cords	Patch Cord Type	Application	Fiber Type	Description Code	Part Number
Ultra Low Loss (ULL) LazrSPEED 550 OM4 LC Uniboot to LC Uniboot, Fiber Patch Cord, 1.5 mm Duplex, LSZH/Riser	LC-D to LC-D, 1.5 mm diameter, LSZH/Riser	Distribution/XC	OM4	UFXLULUK2	UFXLULUK2
Ultra Low Loss (ULL) LazrSPEED 550 WideBand OM5 LC Uniboot to LC Uniboot, Fiber Patch Cord, 1.5 mm Duplex, LSZH/Riser	LC-D to LC-D, 1.5 mm diameter, LSZH/Riser	Distribution/XC	OM5	UFVLULUK2	UFVLULUK2
Ultra Low Loss (ULL) TeraSPEED LC Uniboot to LC Uniboot, Fiber Patch Cord, 1.5 mm Duplex, LSZH/Riser	LC-D to LC-D, 1.5 mm diameter, LSZH/Riser	Distribution/XC	OS2	UFGLULUK2	UFGLULUK2
Ultra Low Loss (ULL) LazrSPEED 550 OM4 LC Uniboot to LC Uniboot, Fiber Patch Cord, 2.0 mm Duplex, LSZH/Riser	LC-D to LC-D, 2 mm diameter, LSZH/Riser	Equipment Area	OM4	UFXLULU62	UFXLULU62
Ultra Low Loss (ULL) LazrSPEED 550 WideBand OM5 LC Uniboot to LC Uniboot, Fiber Patch Cord, 2.0 mm Duplex, LSZH/Riser	LC-D to LC-D, 2 mm diameter, LSZH/Riser	Equipment Area	OM5	UFVLULU62	UFVLULU62
Ultra Low Loss (ULL) TeraSPEED LC Uniboot to LC Uniboot, Fiber Patch Cord, 2.0 mm Duplex, LSZH/Riser	LC-D to LC-D, 2 mm diameter, LSZH/Riser	Equipment Area	OS2	UFGLULU62	UFGLULU62
Ultra Low Loss (ULL) LazrSPEED 550 OM4 MPO/8 (Unpinned) to MPO/8 (Unpinned), 8-Fiber, LSZH/Riser	MPO-MPO, unpinned, 8 fibers, LSZH/Riser	Distribution or Equipment Area	OM4	URXQPQPJ8	URXQPQPJ8
Ultra Low Loss (ULL) LazrSPEED 550 WideBand OM5 MPO/8 (Unpinned) to MPO/8 (Unpinned), 8-Fiber, LSZH/Riser	MPO-MPO, unpinned, 8 fibers, LSZH/Riser	Distribution or Equipment Area	OM5	URVQPQPJ8	URVQPQPJ8
Ultra Low Loss (ULL) TeraSPEED MPO/8 (Unpinned) to MPO/8 (Unpinned), 8-Fiber, LSZH/Riser	MPO-MPO, unpinned, 8 fibers, LSZH/Riser	Distribution or Equipment Area	OS2	URGQPQPJ8	URGQPQPJ8

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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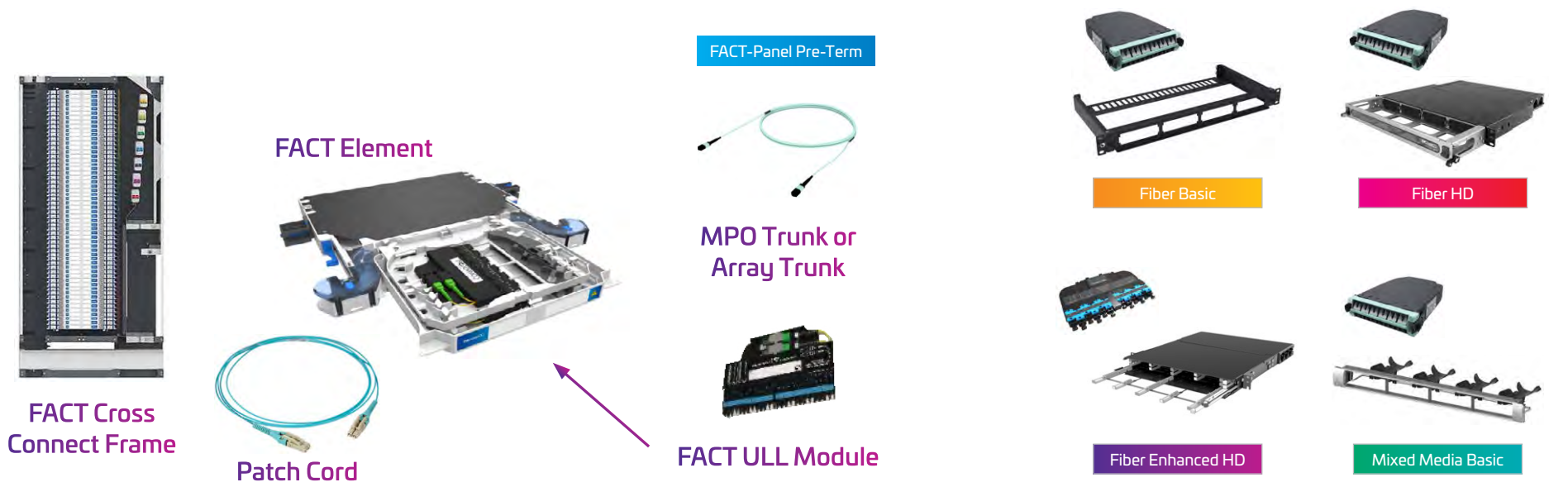
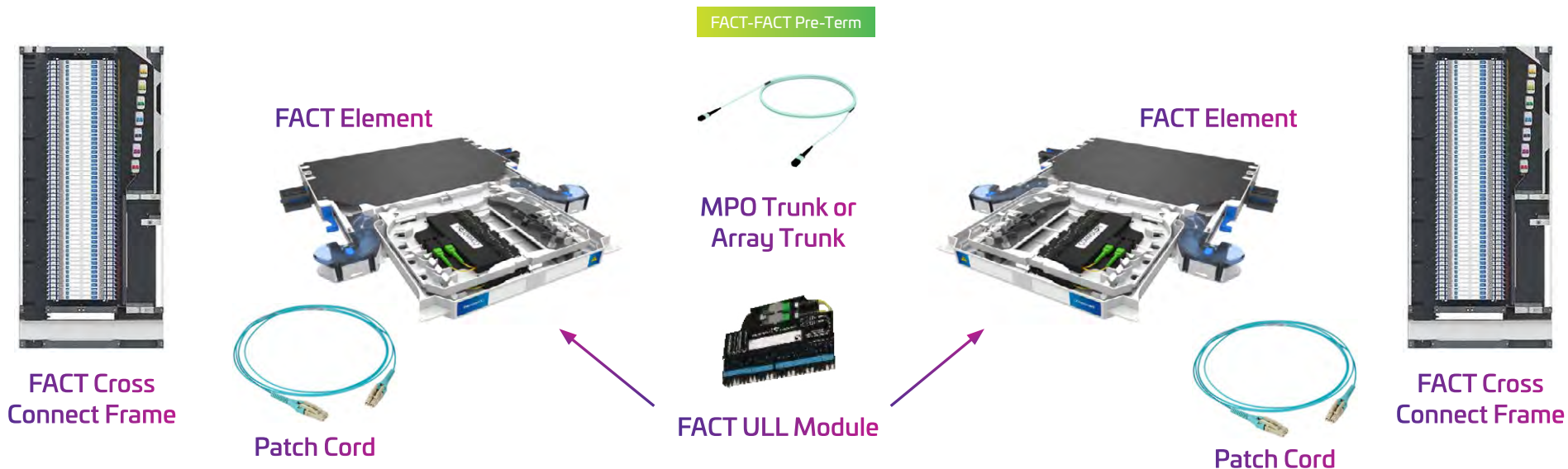
Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Review Pre-terminated FACT ODF Fiber System Selection here.

FACT Frame		Description Code	Part Number		
FACT Cross Connect frame, patching on the right		FACT-FRCCRHP22	760243095		
FACT Cross Connect frame, patching on the Left		FACT-FRCLHP22	760243094		
FACT patch cord overlength management bay		FACT-FROLB22	760243097		
FACT Interconnect Frame – Right Hand Patch (2.2m)		FACT-FRICRHP22	760243096		
FACT Frame Accessories		Description Code	Part Number		
FACT Cross Connect door kit. Set of two doors with two door handles per door (one set per frame)		FACT-FRCCD22	760243098		
FACT Cross Connect side panel kit (pack of two side panels)		FACT-FRCCP22	760243099		
FACT Patch Cord Overlength Bay Door (2.2m)		FACT-FROLBD22	760243101		
FACT Interconnect Frame door kit		FACT-FRICD22	760243100		
FACT Fiber guide fixation kit		FACT-FRACCFGFS	760243110		
FACT-FRACCCAPL One cable attachment plate with one cable to flex conversion bracket included.		FACT-FRACCCAPL	760243108		
FACT-FRACCCTF One cable to flex conversion component set for cable attachment plate (one cable to flex component per cable)		FACT-FRACCCTF	760243111		
FACT-FRACCFOPL One fan out fixation plate for frame side duct & Eight fan out fixation component sets		FACT-FRACCFOPL	760243109		
Eight fan out fixation component sets (for fan out fixation plate) FACT		FACT-FRACCFOK-8	760243112		
FACT Patch-Patch Elements and FACT NG4 Elements	Element Type	Fiber Count	Fiber Type	Description Code	Part Number
FACT Fiber Optic Patch Panel, blue, 6E high, 288-port simplex, multimode, OM4, holding 10 hinged trays loaded with LC/UPC adapters	Patch/Patch	288	OM4	FACT-6EPATL4	760240442
FACT Fiber Optic Patch Panel, blue, 6E high, 288-port simplex, singlemode, holding 10 hinged trays loaded with LC/UPC adapters	Patch/Patch	288	OS2	FACT-6EPATL1	760240441
FACT Fiber Optic Patch Panel, blue, 4E high, 192-port simplex, multimode, OM4, holding 8 hinged trays loaded with LC/UPC adapters	Patch/Patch	192	OM4	FACT-4EPATL4	760239995
FACT Fiber Optic Patch Panel, blue, 4E high, 192-port simplex, singlemode, holding 8 hinged trays loaded with LC/UPC adapters	Patch/Patch	192	OS2	FACT-4EPATL1	760239993
FACT Fiber Optic Patch Panel, blue, 3E high, 144-port simplex, multimode, OM4, holding 6 hinged trays loaded with LC/UPC adapters	Patch/Patch	144	OM4	FACT-3EPATL4	760239990
FACT Fiber Optic Patch Panel, blue, 3E high, 144-port simplex, singlemode, holding 6 hinged trays loaded with LC/UPC adapters	Patch/Patch	144	OS2	FACT-3EPATL1	760239988
FACT Fiber Optic Patch Panel, blue, 2E high, 96-port simplex, multimode, OM4, holding 4 hinged trays loaded with LC/UPC adapters	Patch/Patch	96	OM4	FACT-2EPATL4	760239984
FACT Fiber Optic Patch Panel, blue, 2E high, 96-port simplex, singlemode, holding 4 hinged trays loaded with LC/UPC adapters	Patch/Patch	96	OS2	FACT-2EPATL1	760239982
FACT Fiber Optic Patch Panel, blue, 1E high, 48-port simplex, multimode, OM4, holding 2 hinged trays loaded with LC/UPC adapters	Patch/Patch	48	OM4	FACT-1EPATL4	760240416
FACT Fiber Optic Patch Panel, blue, 1E high, 48-port simplex, singlemode, holding 2 hinged trays loaded with LC/UPC adapters	Patch/Patch	48	OS2	FACT-1EPATL1	760240414
FACT NG4 Fiber Panel, with 12 unloaded trays, blue, 6E high, for holding 12 NG4 MPO modules	NG4 Module	288	Universal	FACT-6ENG4	760242087
FACT NG4 Fiber Panel, with 8 unloaded trays, blue, 4E high, for holding 8 NG4 MPO modules	NG4 Module	192	Universal	FACT-4ENG4	760239978
FACT NG4 Fiber Panel, with 6 unloaded trays, blue, 3E high, for holding 6 NG4 MPO modules	NG4 Module	144	Universal	FACT-3ENG4	760239977
FACT NG4 Fiber Panel, with 4 unloaded trays, blue, 2E high, for holding 4 NG4 MPO modules	NG4 Module	96	Universal	FACT-2ENG4	760239976
FACT NG4 Fiber Panel, with 2 unloaded trays, blue, 1E high, for holding 2 NG4 MPO modules	NG4 Module	48	Universal	FACT-1ENG4	760239975
FACT NG4 Module	Cable Entrance		Fiber Type	Description Code	
FACT left sided ULL module, MPO24f to 12x LC-D, OM4	Left		OM4	FACT-MMDLC2-B	
FACT right sided ULL module, MPO24f to 12x LC-D, OM4	Right		OM4	FACT-MMDRC2-B	
FACT left sided ULL module, MPO24f to 12x LC-D, OM5	Left		OM5	FACT-MMDL52-B	
FACT right sided ULL module, MPO24f to 12x LC-D, OM5	Right		OM5	FACT-MMDR52-B	
FACT left sided ULL module, 2 x MPO12f to 12x LC-D, OS2	Left		OS2	FACT-MMDLKE-B	
FACT right sided ULL module, 2 x MPO12f to 12x LC-D, OS2	Right		OS2	FACT-MMDRKE-B	

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Review Pre-terminated FACT ODF Fiber System Selection here.

All cable assemblies on this page fit to:

FACT-FACT Pre-Term

FACT-Panel Pre-Term

SYSTIMAX ULL Pre-terminated Trunk Cables

12-fiber MPO connector-based modules available in LazrSPEED 550 OM4 and LazrSPEED OM5 Wideband multimode fiber solutions

12-fiber MPO connector-based modules available in TeraSPEED singlemode fiber solutions

Factory-terminated and tested trunk cables provide superior quality and performance for field connections

Reliable transmit-to-receive connectivity using Method B Enhanced polarity maintenance maximizes administrative convenience

Simplified reconfiguration for moves, adds and changes (MACs)

Easy upgrade path to parallel transmission and associated applications, and increased value of existing infrastructure

SYSTIMAX ULL trunks are provisioned with pins to interface with G2 and EHD ULL modules (without pins)



SYSTIMAX ULL MPO-12 Trunk Cables

1 U	2 3	3 X	4 5 M X	6 7 M X	8 A	9 10 11 K - M	12 A	13 F	14-16 010	
Construction type U Ultra-Low Loss	Family 3 Trunk, LSZH/Riser, CPR Class B2ca G Trunk, LSZH/Riser, CPR Class Dca	Fiber type G TeraSPEED singlemode (A2) X LazrSPEED 550 multimode V LazrSPEED OM5 WB multimode	Termination end A MX MPO (pinned)	Termination end B MX MPO (pinned)	Construction A 12 Fiber PmP	Fiber count D 12-fiber F 24-fiber H 48-fiber K 72-fiber L 96-fiber M 144-fiber	Color M Aqua N Lime green J Yellow LazrSPEED OM4 standard is aqua LazrSPEED OM5 standard is lime green TeraSPEED singlemode standard is yellow	Options W No gland, 60-in. breakout Use accessory gland for patch cords in case gland is required on one side only	Unit of measure F Feet M Meter	Length 010-999 Feet 003-305 Meter

Note: for MPO-8 products and other trunk configurations please contact your CommScope sales representative.

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Review Pre-terminated FACT ODF Fiber System Selection here.

All cable assemblies on this page fit to:

FACT-FACT Pre-Term

FACT-Panel Pre-Term



SYSTIMAX ULL MPO Array Cords

SYSTIMAX ULL MPO Array Cords

12-fiber MPO connector-based modular design enables simple connections

Array cords are constructed with 550 OM4 and OM5 Wideband and singlemode fibers

Factory-terminated and tested for instant field connections giving guaranteed quality and performance

MPO-MPO arrays are constructed with 3.0 mm PmP array cords

1 U	2 O	3 X	4 M	5 X	6 M	7 X	8 G	9 D	10 -	11 M	12 E	13 F	14-16 O10
Construction type U Ultra-Low Loss	Cable family R LSZH array	Fiber type G TeraSPEED singlemode (A2) X LazrSPEED 550 multimode V LazrSPEED OM5 WB multimode	Connector 1 MX 12f MPO (pinned)	Connector 2 MX 12f MPO (pinned)	Cordage size G 12-fiber PmP Array Cord	Fiber count D 12-fiber	Color M Aqua N Lime green J Yellow LazrSPEED OM4 standard is aqua LazrSPEED OM5 standard is lime green TeraSPEED singlemode standard is yellow	Breakout length D 12 in breakout, no gland E 24 in breakout, no gland H 48 in breakout, no gland L 72 in breakout, no gland P 96 in breakout, no gland A No gland, no breakout	Unit of measure F Feet M Meter	Length minimal length based on breakout 12 in 3-999 ft 24 in 4-999 ft 48 in 6-999 ft 72 in 8-999 ft 96 in 10-999 ft 12 in 1-305 m 24-48 in 2-305 m 72 in 3-305 m 96 in 4-305 m Total length includes the breakout			

Note: for MPO-8 products and other trunk configurations please contact your CommScope sales representative.

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Review Pre-terminated FACT ODF Fiber System Selection here.



SYSTIMAX ULL LC-LC Pre-terminated Array Trunks

LC/LC trunks, 24 f	Patch Cord Type	Jacket Material	Fiber Type	Description Code	Part Number
LC/LC Microdistribution-cable, 12 x LC Duplex uniboot on each side, flexible cable construction, OD 3 mm	N/A	LSZH/Riser	OM4	URXLULUHF	URXLULUHF
LC/LC Microdistribution-cable, 12 x LC Duplex uniboot on each side, flexible cable construction, OD 3 mm	N/A	LSZH/Riser	OM5	URVLULUHF	URVLULUHF
LC/LC Microdistribution-cable, 12 x LC Duplex uniboot on each side, flexible cable construction, OD 3 mm	N/A	LSZH/Riser	OS2	FRWLULUHF	FRWLULUHF

SYSTIMAX ULL Patch Cords

Patch Cords	Patch Cord Type	Application	Fiber Type	Description Code	Part Number
Ultra Low Loss (ULL) LazrSPEED 550 OM4 LC Uniboot to LC Uniboot, Fiber Patch Cord, 1.5 mm Duplex, LSZH/Riser	LC-D to LC-D, 1.5 mm diameter, LSZH/Riser	Distribution/XC	OM4	UFXLULUK2	UFXLULUK2
Ultra Low Loss (ULL) LazrSPEED 550 WideBand OM5 LC Uniboot to LC Uniboot, Fiber Patch Cord, 1.5 mm Duplex, LSZH/Riser	LC-D to LC-D, 1.5 mm diameter, LSZH/Riser	Distribution/XC	OM5	UFVLULUK2	UFVLULUK2
Ultra Low Loss (ULL) TeraSPEED LC Uniboot to LC Uniboot, Fiber Patch Cord, 1.5 mm Duplex, LSZH/Riser	LC-D to LC-D, 1.5 mm diameter, LSZH/Riser	Distribution/XC	OS2	UFGLULUK2	UFGLULUK2
Ultra Low Loss (ULL) LazrSPEED 550 OM4 LC Uniboot to LC Uniboot, Fiber Patch Cord, 2.0 mm Duplex, LSZH/Riser	LC-D to LC-D, 2 mm diameter, LSZH/Riser	Equipment Area	OM4	UFXLULU62	UFXLULU62
Ultra Low Loss (ULL) LazrSPEED 550 WideBand OM5 LC Uniboot to LC Uniboot, Fiber Patch Cord, 2.0 mm Duplex, LSZH/Riser	LC-D to LC-D, 2 mm diameter, LSZH/Riser	Equipment Area	OM5	UFVLULU62	UFVLULU62
Ultra Low Loss (ULL) TeraSPEED LC Uniboot to LC Uniboot, Fiber Patch Cord, 2.0 mm Duplex, LSZH/Riser	LC-D to LC-D, 2 mm diameter, LSZH/Riser	Equipment Area	OS2	UFGLULU62	UFGLULU62
Ultra Low Loss (ULL) LazrSPEED 550 OM4 MPO/8 (Unpinned) to MPO/8 (Unpinned), 8-Fiber, LSZH/Riser	MPO-MPO, unpinned, 8 fibers, LSZH/Riser	Distribution or Equipment Area	OM4	URXQPQPJ8	URXQPQPJ8
Ultra Low Loss (ULL) LazrSPEED 550 WideBand OM5 MPO/8 (Unpinned) to MPO/8 (Unpinned), 8-Fiber, LSZH/Riser	MPO-MPO, unpinned, 8 fibers, LSZH/Riser	Distribution or Equipment Area	OM5	URVQPQPJ8	URVQPQPJ8
Ultra Low Loss (ULL) TeraSPEED MPO/8 (Unpinned) to MPO/8 (Unpinned), 8-Fiber, LSZH/Riser	MPO-MPO, unpinned, 8 fibers, LSZH/Riser	Distribution or Equipment Area	OS2	URGQPQPJ8	URGQPQPJ8

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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FiberGuide® Raceway Systems



FiberGuide is a raceway system designed to protect and route fiber optic patch cords to and from fiber splice enclosures, fiber distribution frames, and fiber optic terminal devices. FiberGuide ensures a 2-in. minimum bend radius is maintained throughout the system. Tool-less, Snap-Fit® junctions, cover options, and Plenum Express Exit® drops significantly reduce the amount of time required for installation.

The FiberGuide system is a complete set of products designed and manufactured to ensure total off-frame protection and ease of use. Basic components include horizontal and vertical straight sections, horizontal and vertical elbows, downspouts, junctions, and numerous support hardware and flex-tube kits.

Speed of installation

FiberGuide systems feature a variety of products that allow for quick and easy installation. Express Exit drops as well as tool-less products including Snap-Fit junctions, snap-on covers and new-hinged cover options save valuable time for installers.

Speed of deployment

The Express Exit system enables new drops to be added or removed quickly and easily. A drop can be added into a fully loaded raceway in seconds—without cutting.

Raceway flexibility

FiberGuide features 38 support structures, over 75 fittings, multiple drop options, and several other components to suit any application you create.

Fiber protection

Our broadband expertise translates into maximum protection for your network. 2-in. minimum bend radius is maintained throughout the system regardless of the raceway size.

Strength and durability

One-hundred percent raceway reliability—stands up to any challenge.



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Review additional FiberGuide products here.





4-in. x 6-in. FiberGuide System

Description	Part Number	
4x6 Horizontal Straight Section, 6-ft. long, yellow	FGS-MSHS-B	
4x6 Horizontal Stack Storage Section, yellow	FGS-MSHS-STOR-B	
4x6 Horizontal T, yellow	FGS-MHRT-B	
4x6 Horizontal Cross, yellow	FGS-MHXP-B	
4x6 Horizontal Elbow 90°, yellow	FGS-MH9E-B	
4x6 Down Spout, yellow	FGS-MDSP-B	
4x6 Trumpet Flare, yellow	FGS-MTRM-B	
4x6 Down Elbow 45°, yellow	FGS-MD4E-B	
4x6 Up Elbow 45°, yellow	FGS-MU4E-B	
4x6 Junction	FGS-MFAW-B	
4x6 End Cap, black	FGS-HMEC-B	

4-in. x 6-in. Supports

Description	Part Number	
L Bay Support Bracket	FGS-HLBK	
Center Support Bracket Kit (xx = size: 1/2-in., 5/8-in., 12 mm, 14 mm, 16 mm)	FGS-HTUB	
Top Support C-Bracket Kit (xx = size: 1/2-in., 5/8-in., 12 mm, 14 mm, 16 mm)	FGS-HNTS	
Unistrut Kit; 10 Quick Knob T-Bolt	FGS-ACC532	

Express Exits

Description	Part Number	
4-in. Express Exit with 4x4 exit opening, yellow	FGS-MEXP-E-A/B/F	
2-in. Low Profile Express Exit with 2x2 exit opening, yellow	FGS-MEXP-LP-A/B/F	
2x2 Trumpet Flare for 2-in. Express Exits, yellow	FGS-MTRM-C	
Single 2-in. Flex Tube Attachment 2-in. flex tube and 2x2 junction to attach to Express Exit		
5-ft. length	FGS-MEXI-C-5F	
10-ft. length	FGS-MEXI-C-10F	
15-ft. length	FGS-MEXI-C-15F	

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Review additional FiberGuide products here.

4-in. x 12-in. FiberGuide System

Description	Part Number	
4x12 Horizontal Straight Section, 6-ft. long, yellow	FGS-MSHS-F	
4x12 Horizontal Slack Storage Section, yellow	FGS-MSHS-STOR-F	
4x12 Horizontal T, yellow	FGS-MHRT-F	
4x12 Horizontal Cross, yellow	FGS-MHXP-F	
4x12 Horizontal Elbow 90°, yellow	FGS-MH9E-F	
4x12 Down Spout, yellow	FGS-MDSP-F	
4x12 Trumpet Flare, yellow	FGS-MTRM-F	
4x12 Horizontal Cross with two 6-in. exit, yellow	FGS-MHXP-B/F	
4x12 Down Elbow 45°, yellow	FGS-MD4E-F	
4x12 Up Elbow 45°, yellow	FGS-MU4E-F	
4x12 Junction	FGS-MFAW-F	
4x12 End Cap	FGS-HMEC-F	
Trapeze Bracket Kit (xx = size: 1/2-in., 5/8-in., 12 mm, 14 mm, 16 mm)	FGS-HNTP-F-XX	

4-in. x 24-in. FiberGuide System

Description	Part Number	
4x24 Horizontal Straight Section, 6-in. long, yellow	FGS-MSHS-H	
4x24 Horizontal T, with single 12-in. exit, yellow	FGS-MHRT-H/F	
4x24 Horizontal T with three 24-in. exits, yellow	FGS-MHRT-H	
4x24 Horizontal Cross, yellow	FGS-MHXP-H	
4x24 Horizontal Cross with dual 12-in. exits	FGS-MHXP-F/H	
4x24 Horizontal Elbow 45°, yellow	FGS-MH4E-H	
4x24 Down Elbow 45°, yellow	FGS-MD4E-H	
4x24 Up Elbow 45°, yellow	FGS-MU4E-H	
4x24 Junction	FGS-MFAW-H	
4x24 End Cap	FGS-HMEC-H	
Threaded Rod Trapeze Bracket Kit for New, 5/8-in.	FGS-HNTP-H-5/8	

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Category 6A Systems



Pre-terminated
Field Installable
Unshielded
Shielded

Evolve U/UTP Panel, Field Installable		Copper Tech	Description Code	Part Number	
	SYSTIMAX GigaSPEED X10D Evolve 1U U/UTP Panel Kit	U/UTP	360-E-MOD-1U-24	760187187	
Evolve Mixed Media Panels		Copper Tech	Description Code	Part Number	
	SYSTIMAX GigaSPEED X10D and GigaSPEED XL Evolve 1U U/UTP Panel Kit	U/UTP	360-E-KIT-1U	760155739	
	SYSTIMAX GigaSPEED X10D Evolve 1U F/UTP Panel Kit	F/UTP	360-IPR-MFTP-E-HD6B-1U-24	760150144	
Evolve Mixed Media Panels Accessories			Description Code	Part Number	
SYSTIMAX 360 1100 Evolve G2 BEZEL (Cool Gray)			360-1100-E-FB-4PK	760175877	
SYSTIMAX 360 1100 Evolve Fiber Cable Management			361 1100-E-FCM	760175919	
SYSTIMAX 360 1100 Evolve G2 BEZEL (Blank)			360-1100-E-BB	760165191	
InstaPATCH Copper Trunks Pre-terminated		Copper Tech	Jacket Material	Description Code	Part Number
	InstaPATCH Cu U/UTP LSZH Pre-terminated Copper Cable, 360 1100 Evolve module to 360 1100 Evolve module, 6 links	U/UTP	LSZH	CCRRB-11SA08	CCRRB-11SA08
	InstaPATCH Cu F/UTP LSZH Copper Cable, single row standard density outlet to single row standard density outlet, 6 links	F/UTP	LSZH	CFAAB-11SA08	CFAAB-11SA08
Field Installable Category 6A Copper Cable		Copper Tech	Jacket Material	Description Code	Part Number
	GigaSPEED X10D 3091B-C ETL Verified Category 6A U/UTP Cable, blue jacket, 4 pair count, 1000 ft (305 m) length, WE TOTE® box	U/UTP	LSZH/Cca	3091B-C BL 4/23 W1000	760240841
	GigaSPEED X10D 3291B Category 6A F/UTP Cable, low smoke zero halogen, white jacket, 4 pair count, 1000 ft (305 m) length, reel	F/UTP	LSZH/Dca	3291B WHT C6A 4/23 F/UTP R1000	760081323
Field Installable Category 6A Information Outlets		Cu Tech	Jacket Material	Description Code	Part Number
	GigaSPEED X10D MGS600 Series Information Outlet, black	UTP	N/A	MGS600-003	760092361
	GigaSPEED X10D HGS620 Shielded High Density Information Outlet	STP	N/A	HGS620	760152801
Copper Patch Cords		Copper Tech	Jacket Material	Description Code	Part Number
	MiNo6A Series Category 6A U/UTP Reduced Diameter LS-CM Dual Rated Cord	S/FTP	LSZH/Riser	G10SP-L-WH	C0199K2-08
	GigaSPEED X10D G10SP on S/FTP Low Smoke Zero Halogen Cordage, S/FTP Modular Patch Cord, White Jacket	S/FTP	LSZH/Riser	G10SP-L-WH	CA111K2-08



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Powered Fiber Systems

Application

Deployment of HD cameras, Wi-Fi access points, optical network terminals, small cells (picocells, femtocells, metrocells, etc.) and other network access devices can be difficult, especially in outdoor environments. Many of these devices accept a power over Ethernet (PoE) input for power and communications. However, the PoE distance limitation of 100 meters can cause difficulties with network planning.

Also, power is not always readily available in the precise locations where device placement is needed to improve 4G LTE and/or 802.11 Wi-Fi coverage for wireless networks, such as on the sides of buildings, lamp posts, etc. In these situations, it is typically necessary to run power to the desired location prior to installing the devices. Also, any concern about who pays for that power and how it is monitored requires wireless network operators to negotiate with local utility companies and building owners. All of this adds time and money to the installation of network access devices.

CommScope has developed a solution that combines power and optical fiber communications into one system, eliminating the hassles and extra expense associated with powering typical low-power network devices.

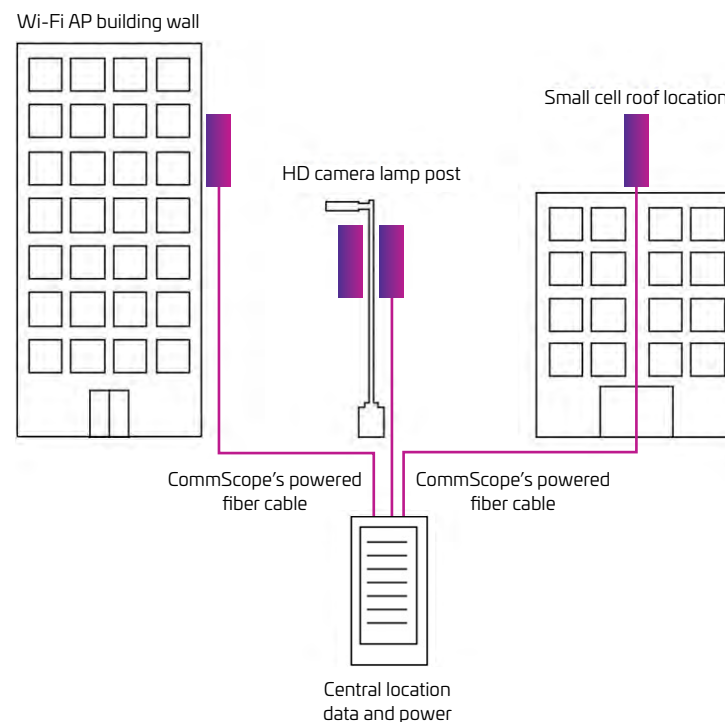
Features

- Hybrid optical fiber and copper cabling with outdoor and indoor/outdoor versions
- Incorporates dc/dc conversion technology to simplify dc line powering calculations
- Primary, secondary, and tertiary electrical protection
- Media converter for delivering PoE and PoE+ capability
- SELV and NEC Class 2 compliant

Applications

- Security cameras
- Wi-Fi access points

- Wireless network small cells
- Optical network terminals
- Digital signage
- Emergency phones
- Additional devices needing PoE signal



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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1- and 2-Port PoE Extenders

- IP68 sealing—Enclosures are designed for outdoor installations with protection from moisture and the environment.
- Automatically corrects for distance voltage drop in the hybrid cable.
- Integrated Electrical Protection
- 60W 2-port variant enables 2 PoE or PoE+ devices to be connected via one hybrid cable.
- 60W single port variation supports 802.3bt, Class 6 power levels. It can be equipped with SPF+ transceivers, and deliver 5 Gbps Ethernet over the copper port.

Power Supplies

- 57VDC Power Supply for use with Powered Fiber Cable System

Support Materials

- [Find calculators and component details here.](#)
- [Find installation tips for the power supply at the central location here.](#)

Powered Fiber Cables	Part Number/MID
Powered Fiber Cable, Indoor/Outdoor, OS2, 2 Fibers, 2 x 12 AWG Conductors	PFC-S02L12
Powered Fiber Cable, Indoor/Outdoor, OS2, 2 Fibers, 2 x 16 AWG Conductors	PFC-S02L16
Powered Fiber Cable, Outdoor, OS2, 2 Fibers, 2 x 12 AWG Conductors	PFC-S02O12
Powered Fiber Cable, Outdoor, OS2, 2 Fibers, 2 x 16 AWG Conductors	PFC-S02O16
Powered Fiber Cable, Indoor/Outdoor, OS2, 4 Fibers, 2 x 12 AWG Conductors	PFC-S04L12
Powered Fiber Cable, Indoor/Outdoor, OS2, 4 Fibers, 2 x 16 AWG Conductors	PFC-S04L16
Powered Fiber Cable, Outdoor, OS2, 4 Fibers, 2 x 12 AWG Conductors	PFC-S04O12
Powered Fiber Cable, Outdoor, OS2, 4 Fibers, 2 x 16 AWG Conductors	PFC-S04O16
Powered Fiber Cable, Indoor/Outdoor, OS2, 12 Fibers, 2 x 12 AWG Conductors	PFC-S12L12
Powered Fiber Cable, Indoor/Outdoor, OS2, 2 Fibers, 12 x 16 AWG Conductors	PFC-S12L16
Powered Fiber Cable, Outdoor, OS2, 12 Fibers, 2 x 12 AWG Conductors	PFC-S12O12
Powered Fiber Cable, Outdoor, OS2, 12 Fibers, 2 x 16 AWG Conductors	PFC-S12O16
Powered Fiber Cable, Indoor/Outdoor, OM3, 2 Fibers, 2 x 12 AWG Conductors	PFC-302L12
Powered Fiber Cable, Indoor/Outdoor, OM3, 2 Fibers, 2 x 16 AWG Conductors	PFC-302L16
Powered Fiber Cable, Outdoor, OM3, 2 Fibers, 2 x 12 AWG Conductors	PFC-302O12
Powered Fiber Cable, Outdoor, OM3, 2 Fibers, 2 x 16 AWG Conductors	PFC-302O16
Powered Fiber Cable, Indoor/Outdoor, OM3, 4 Fibers, 2 x 12 AWG Conductors	PFC-304L12
Powered Fiber Cable, Indoor/Outdoor, OM3, 4 Fibers, 2 x 16 AWG Conductors	PFC-304L16
Powered Fiber Cable, Outdoor, OM3, 4 Fibers, 2 x 12 AWG Conductors	PFC-304O12
Powered Fiber Cable, Outdoor, OM3, 4 Fibers, 2 x 16 AWG Conductors	PFC-304O16

1- and 2-Port PoE Extenders	Part Number/MID
60W, 2 Port PoE Extender (provides a maximum of 30W on each port)	PFU-P-C-O-060-02
60W, 1 Port 5 Gbps PoE Extender	PFU-P-E-O-060-01
Power Supplies	Part Number/MID
Power Express Distribution shelf with alarm module	PFP-PX-S1
Power Express Distribution module supports max. 8 Devices	PFP-PX-8M
Power Express Blank Slot Panel	PFP-PX-SF
SPS Rectifier Power Distribution Shelf	PFP-SPS-S1
1600W SPS Power Rectifier module	PFP-SPS-1600M
SPS Rectifier Controller Display	PFP-SPS-C1
SPS Rectifier Blank Slot Panel	PFP-SPS-SF



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Colocation Campus and Building Infrastructure

Overview

Fiber Entrance and Meet-Me Room

High Fiber Count DC Interconnect

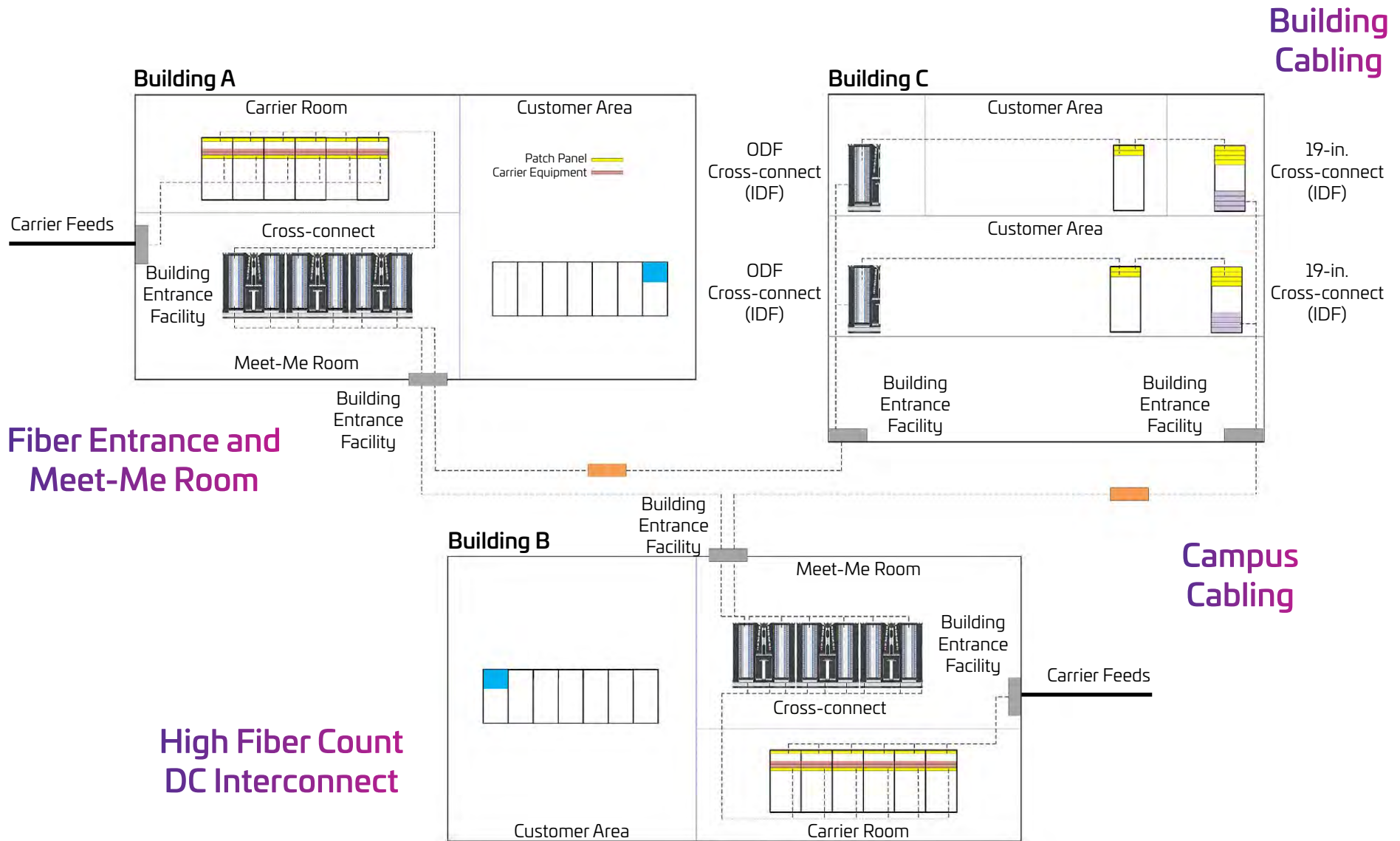
Campus Cabling

Building Cabling

Campus Cabling for Wi-Fi and Security



Select a cabling section for more information.



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

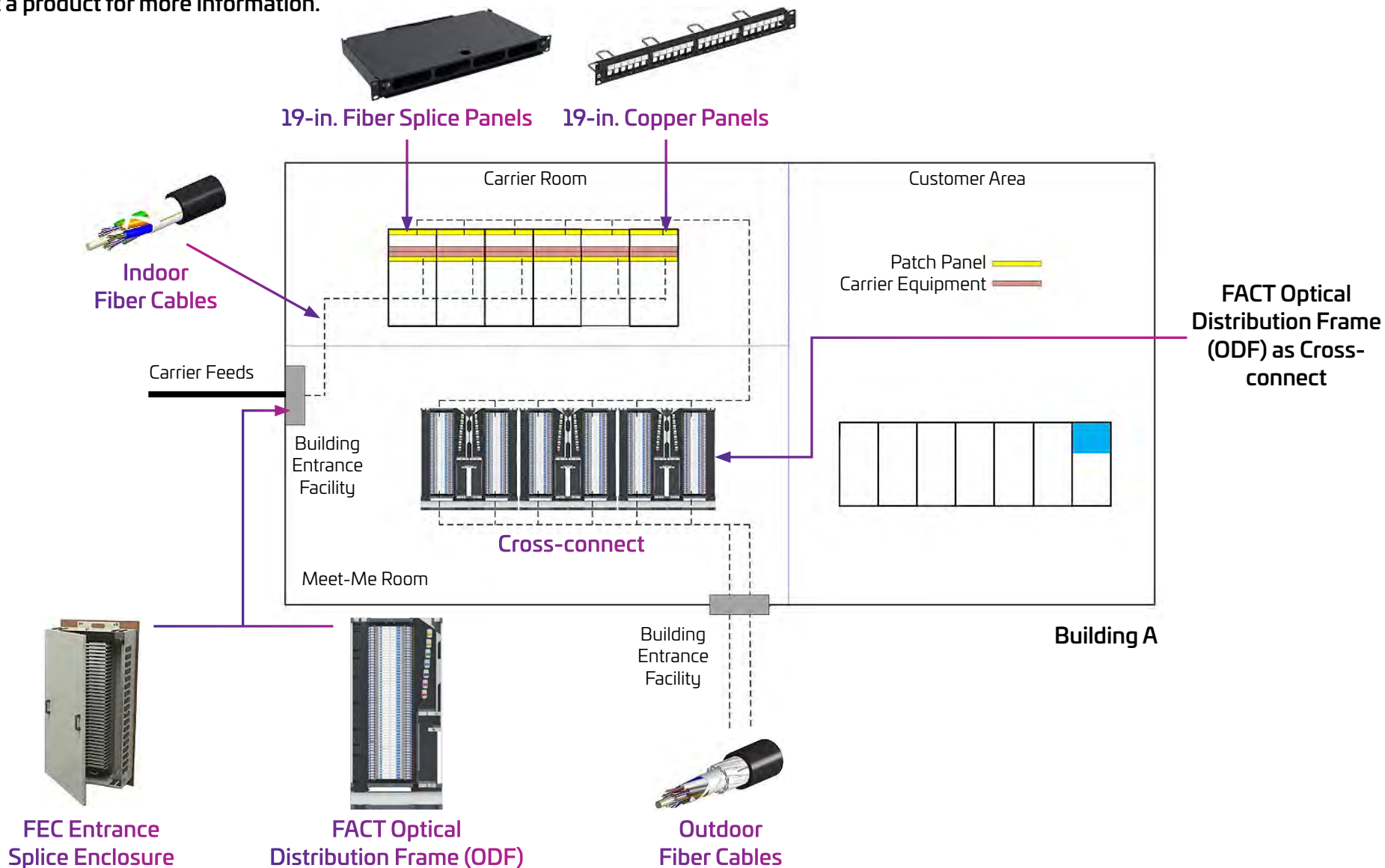
MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Select a product for more information.



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

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Customer Space Cabling Infrastructure

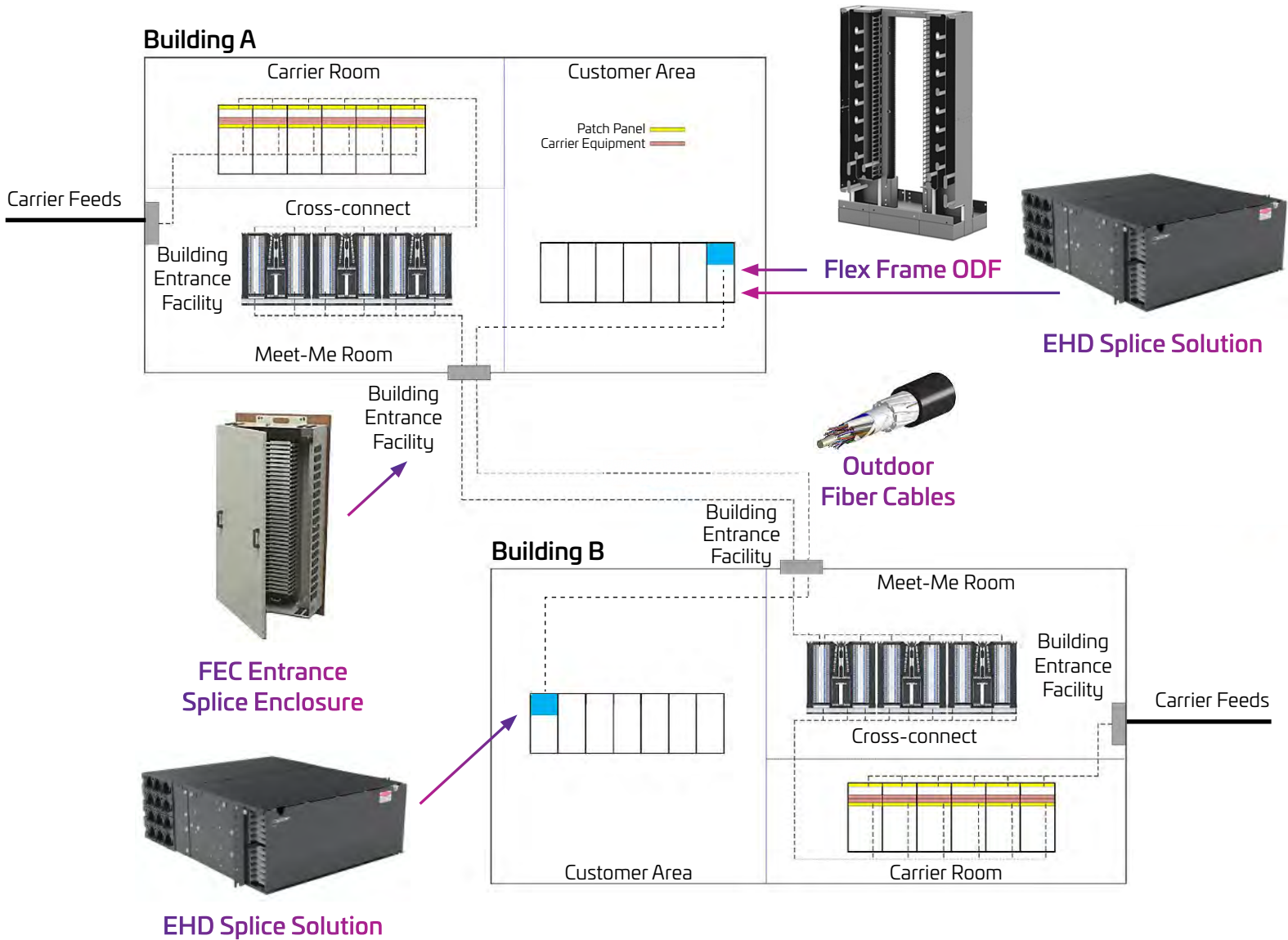
MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Select a product for more information.



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

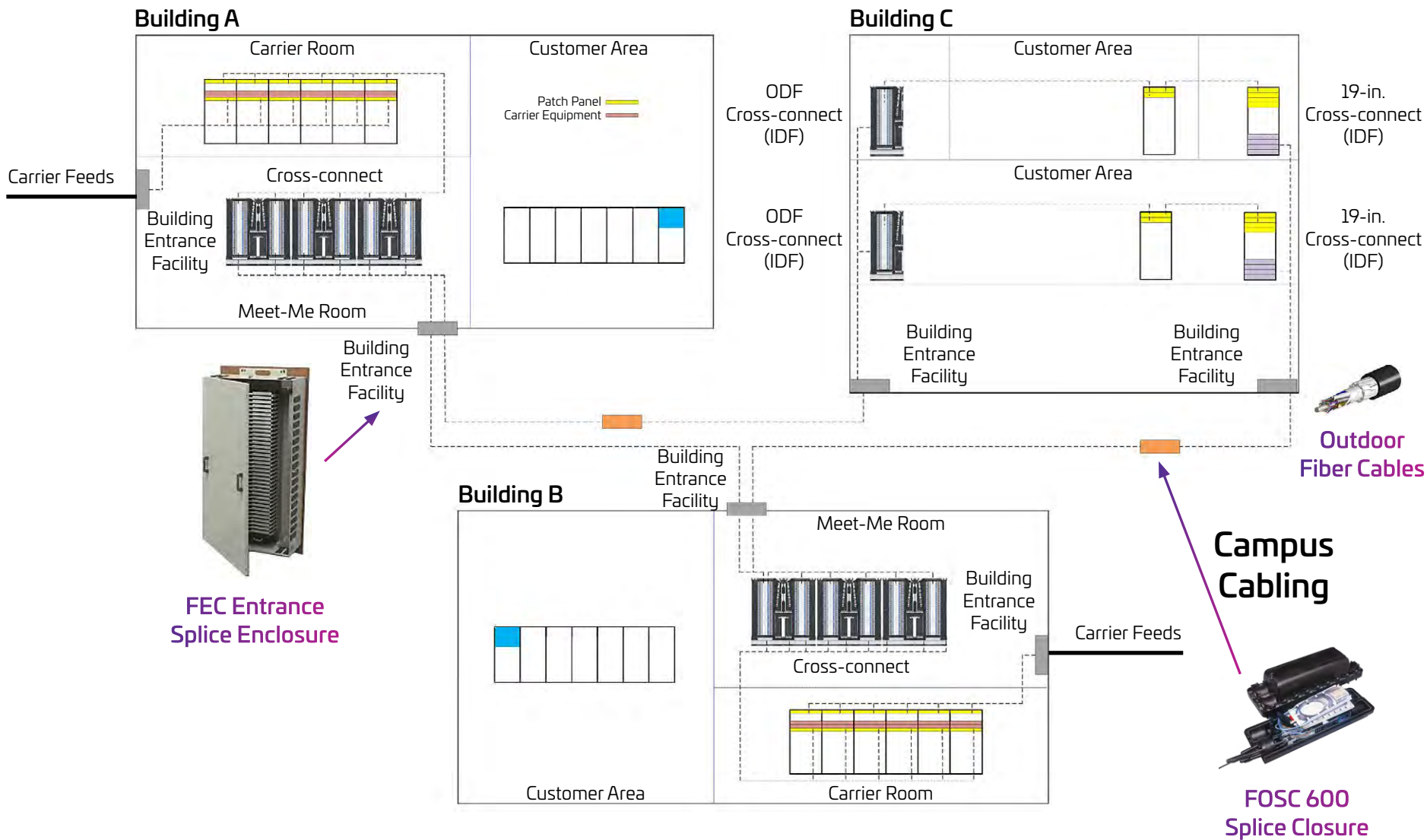
MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Select a product for more information.



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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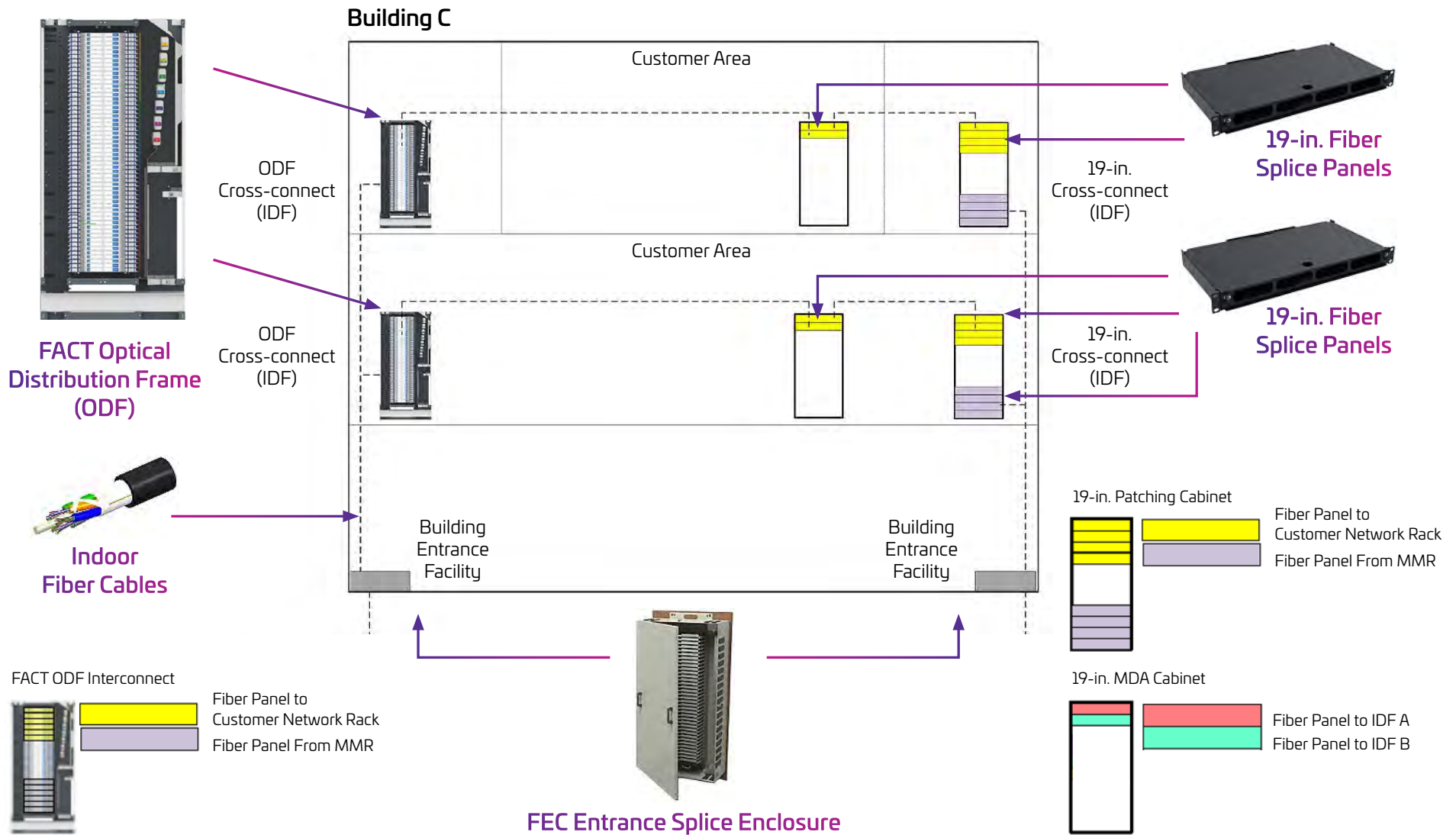
Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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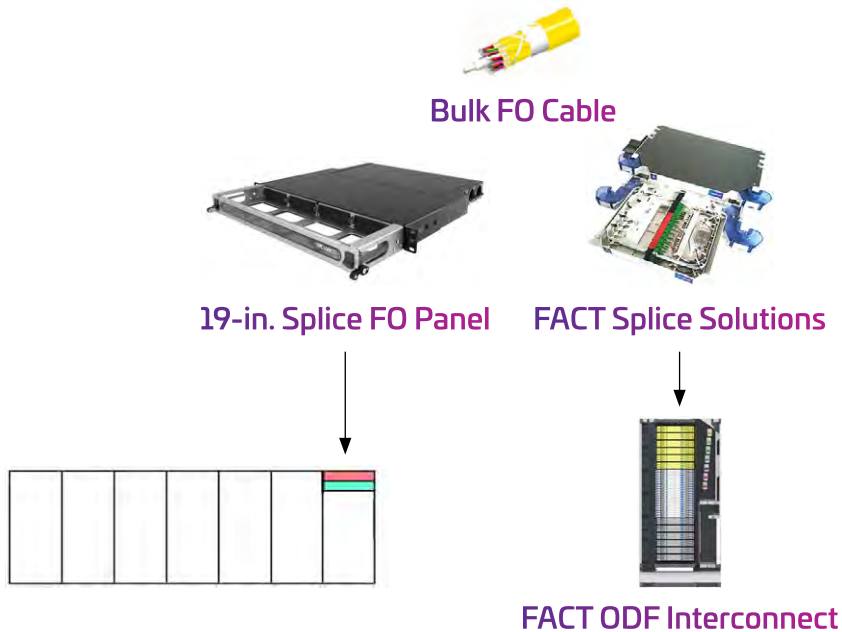
Reference Designs and Technical Information

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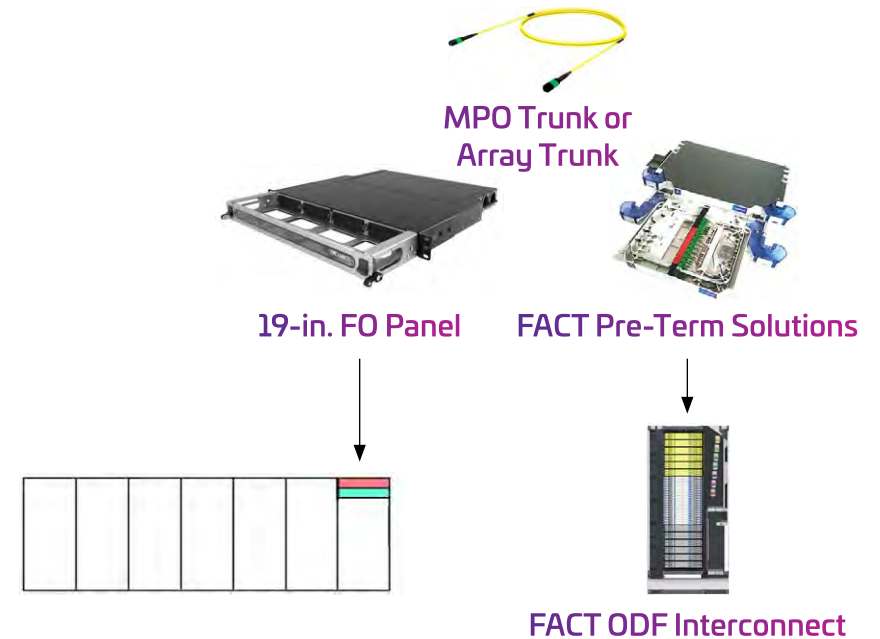


Select a product for more information.

FACT IDF to Customer Cage: Splice Scenario



FACT IDF to Customer Cage: MPO Pre-terminated Scenario



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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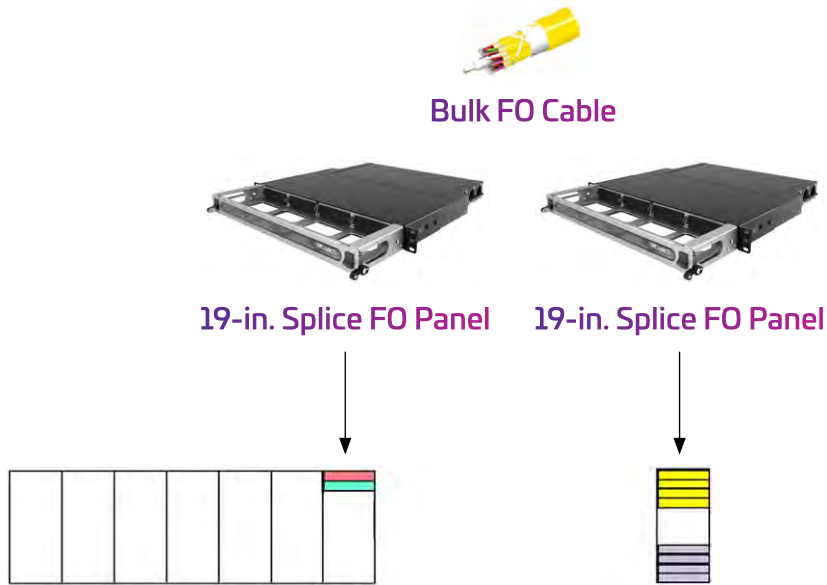
Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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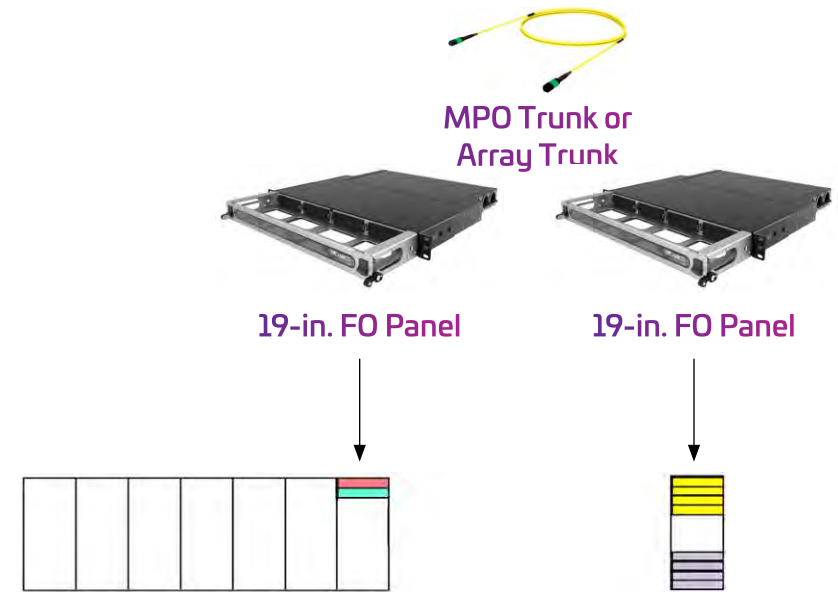


Select a product for more information.

19-in. IDF to Customer Cage: Splice Scenario



19-in. IDF to Customer Cage: MPO Pre-terminated Scenario



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

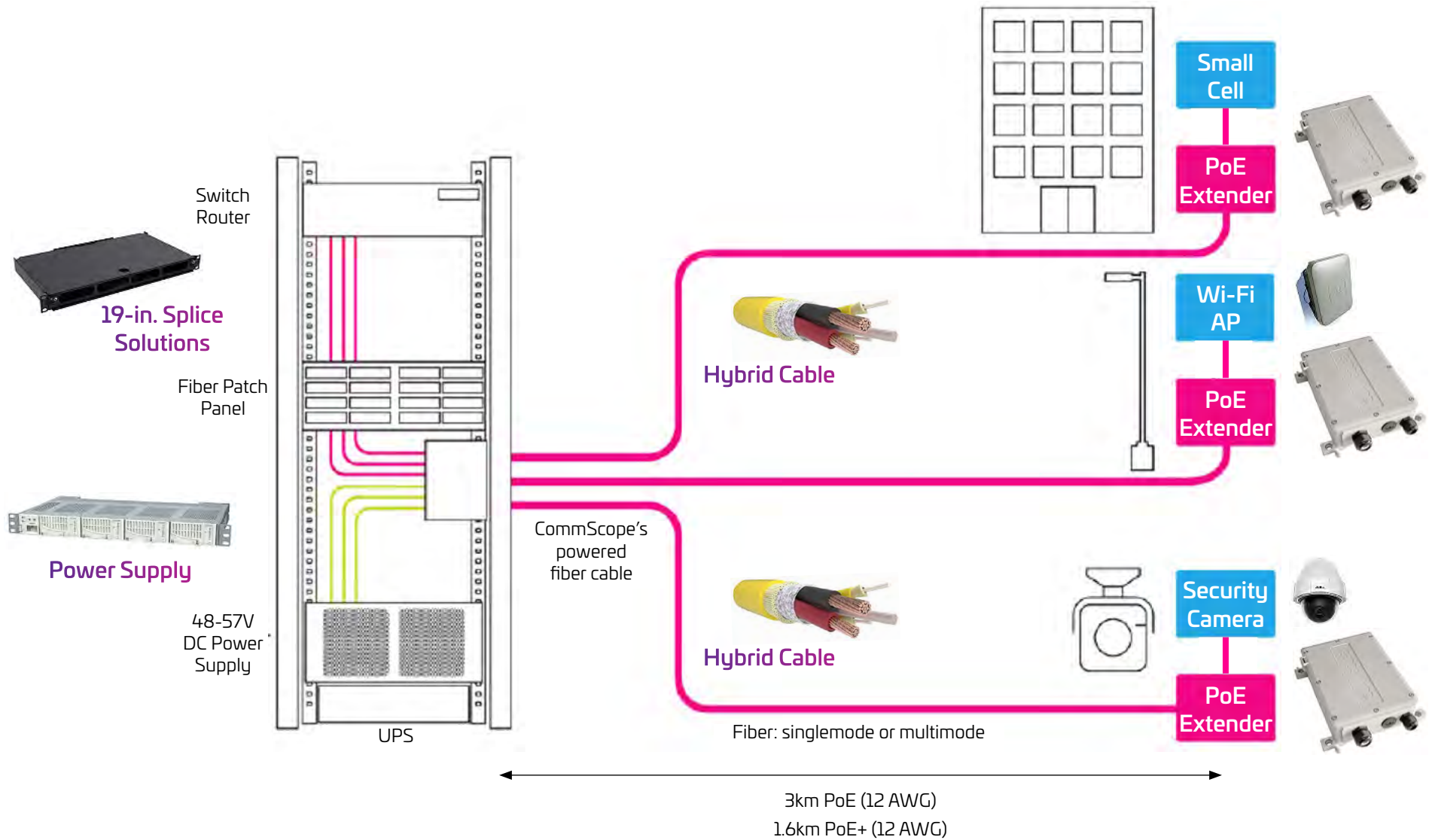
MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Select a product for more information.



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

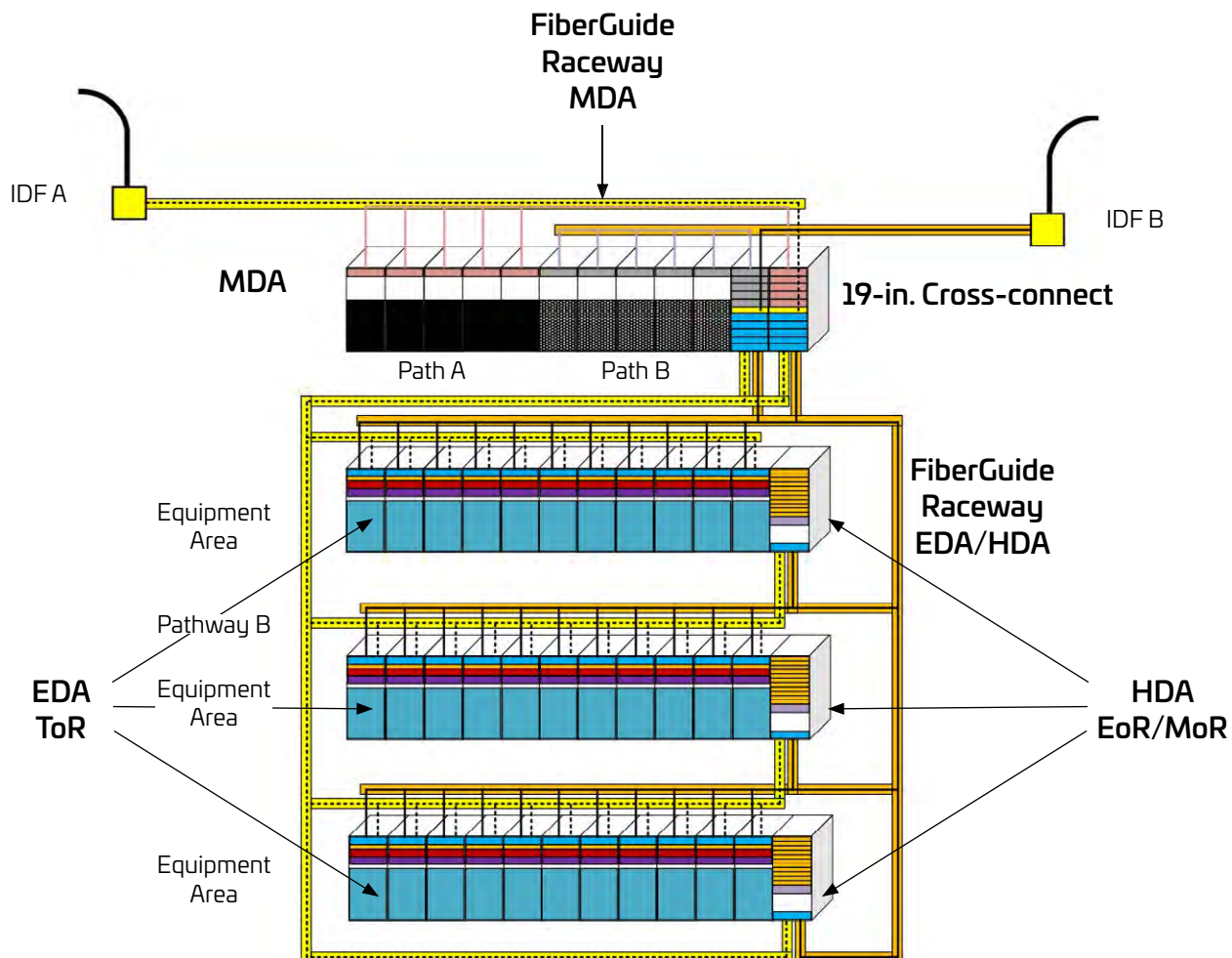
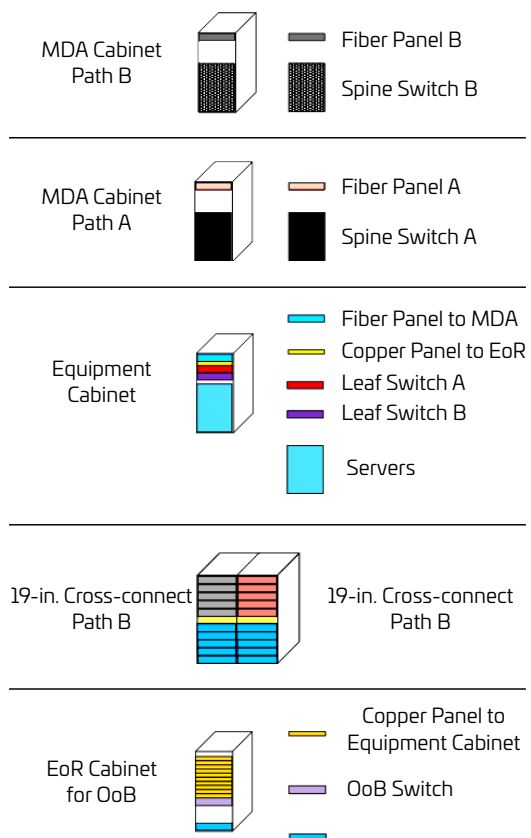
MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Customer Space Cabling Infrastructure

Main Distribution Area (MDA) Fiber
Equipment Distribution Area (EDA) Fiber
Equipment Distribution Area (EDA) Copper
FiberGuide Raceway Systems





Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

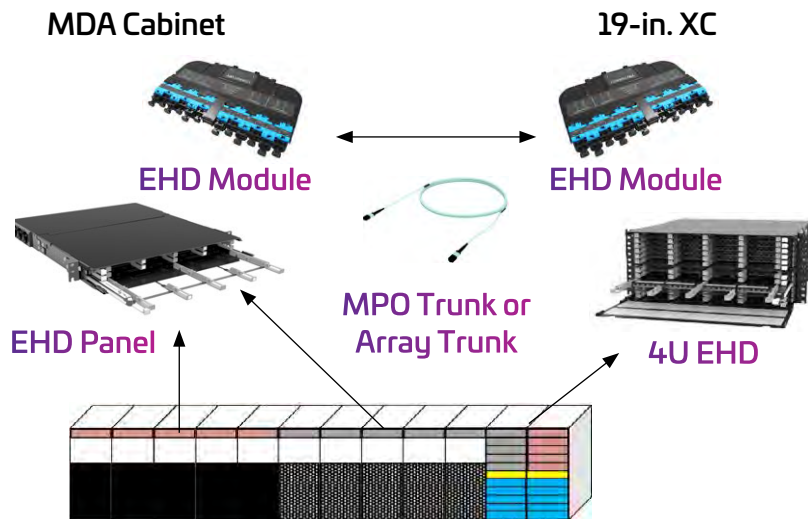
MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

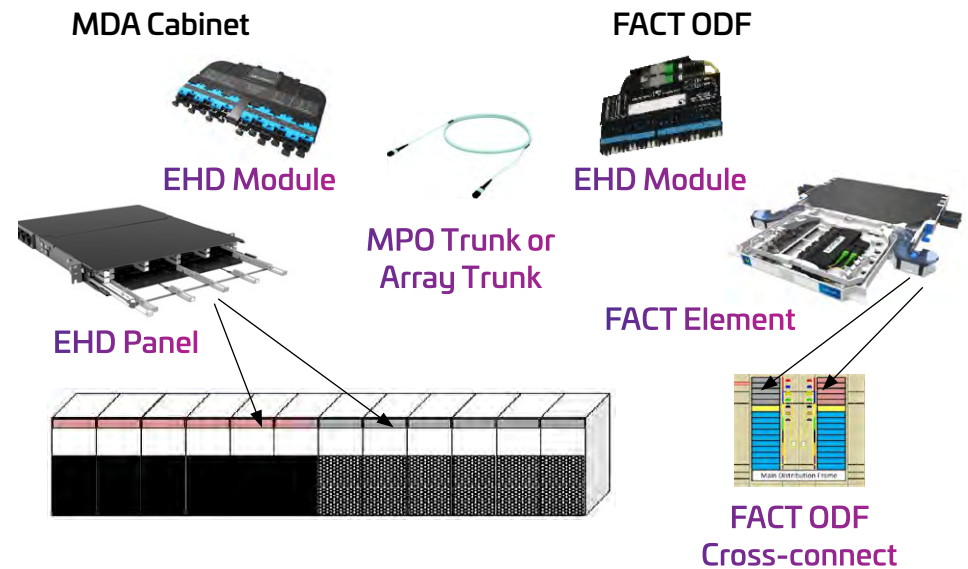
MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Select a product for more information.

MDA Cabling Channel 19-in. XC



MDA Cabling Channel ODF XC



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

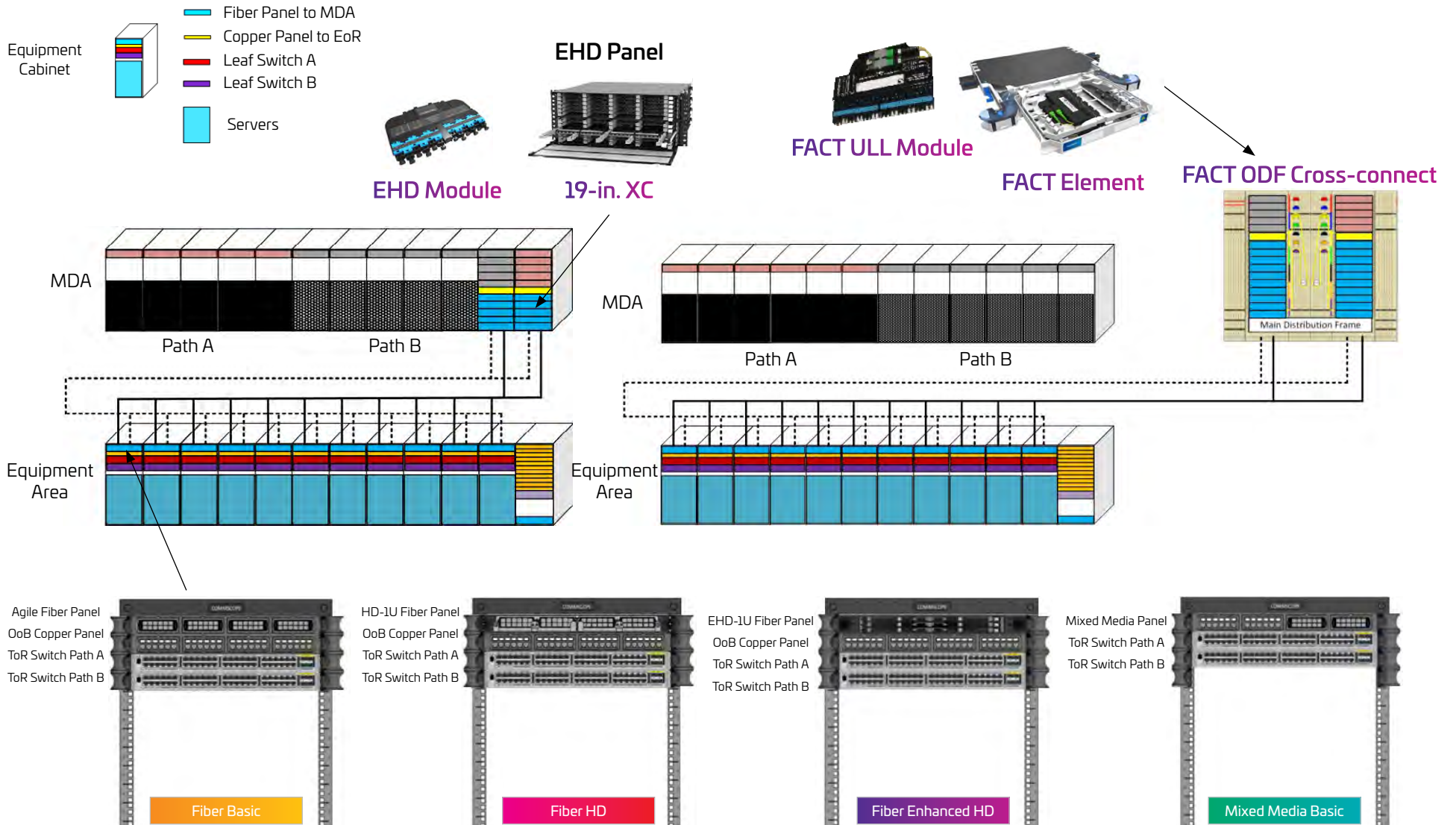
MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Select a product for more information.



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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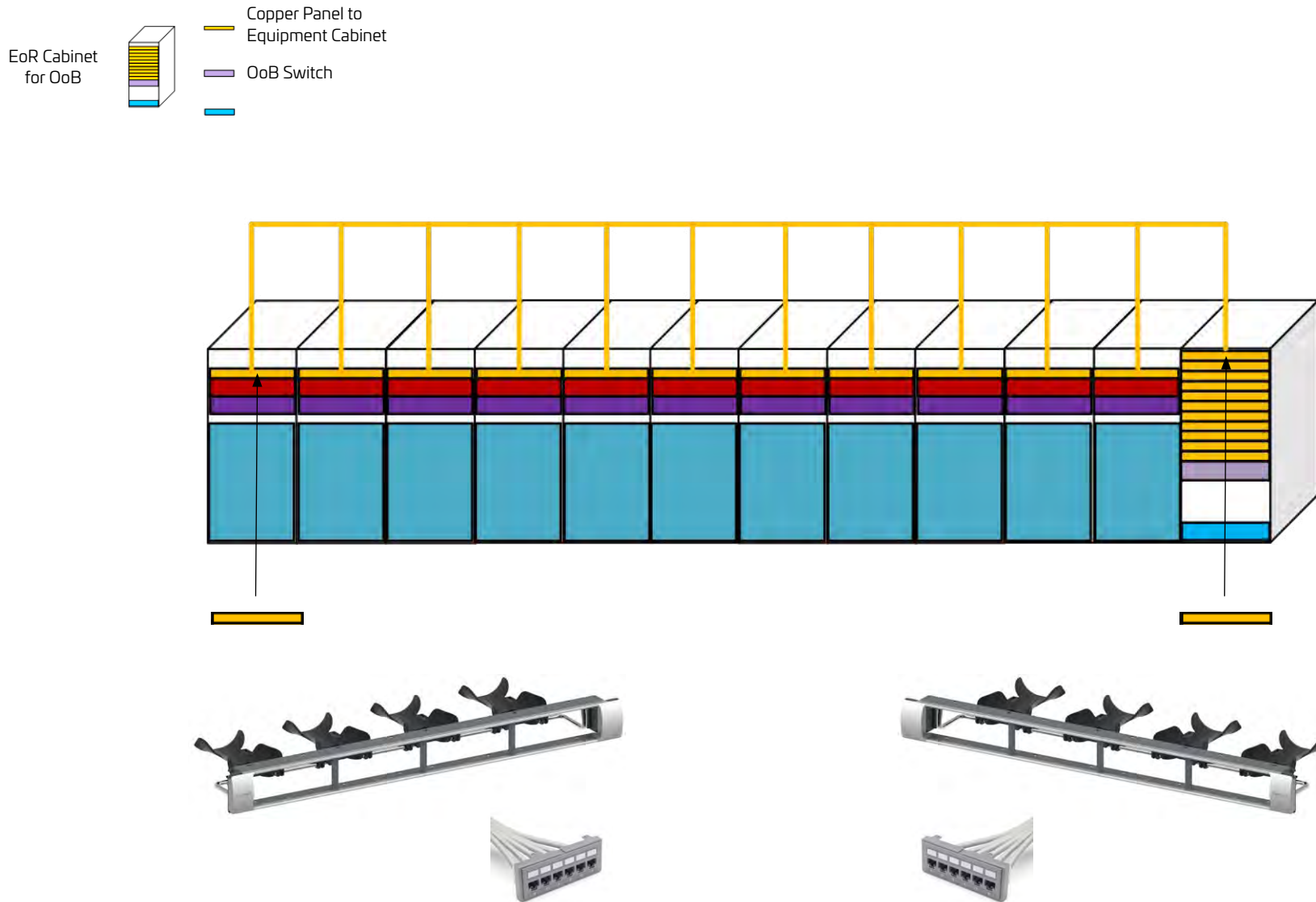
Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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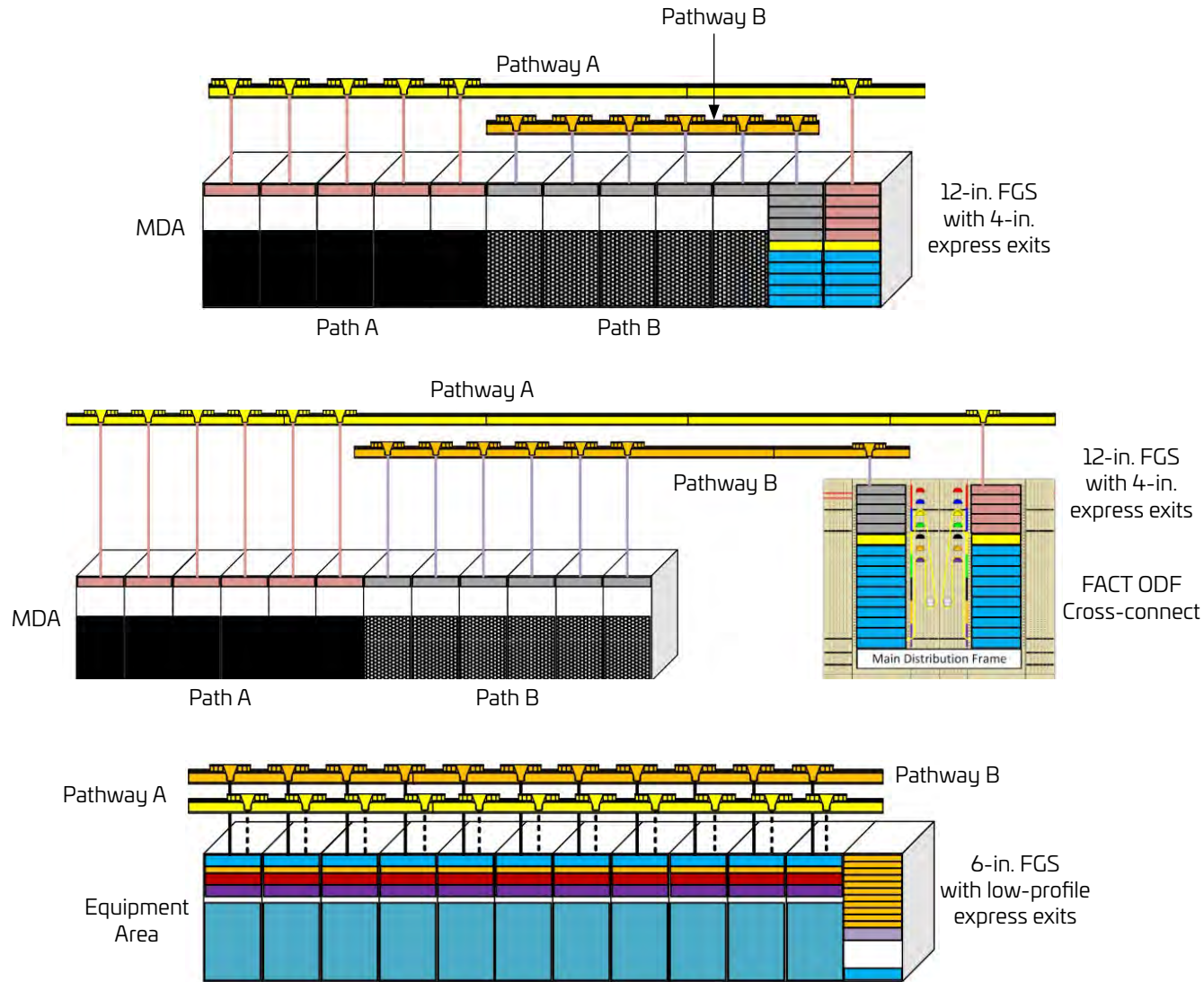
Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Reference Designs and Technical Information

MDA Cabinet

MDA Cross-connect 19-in.

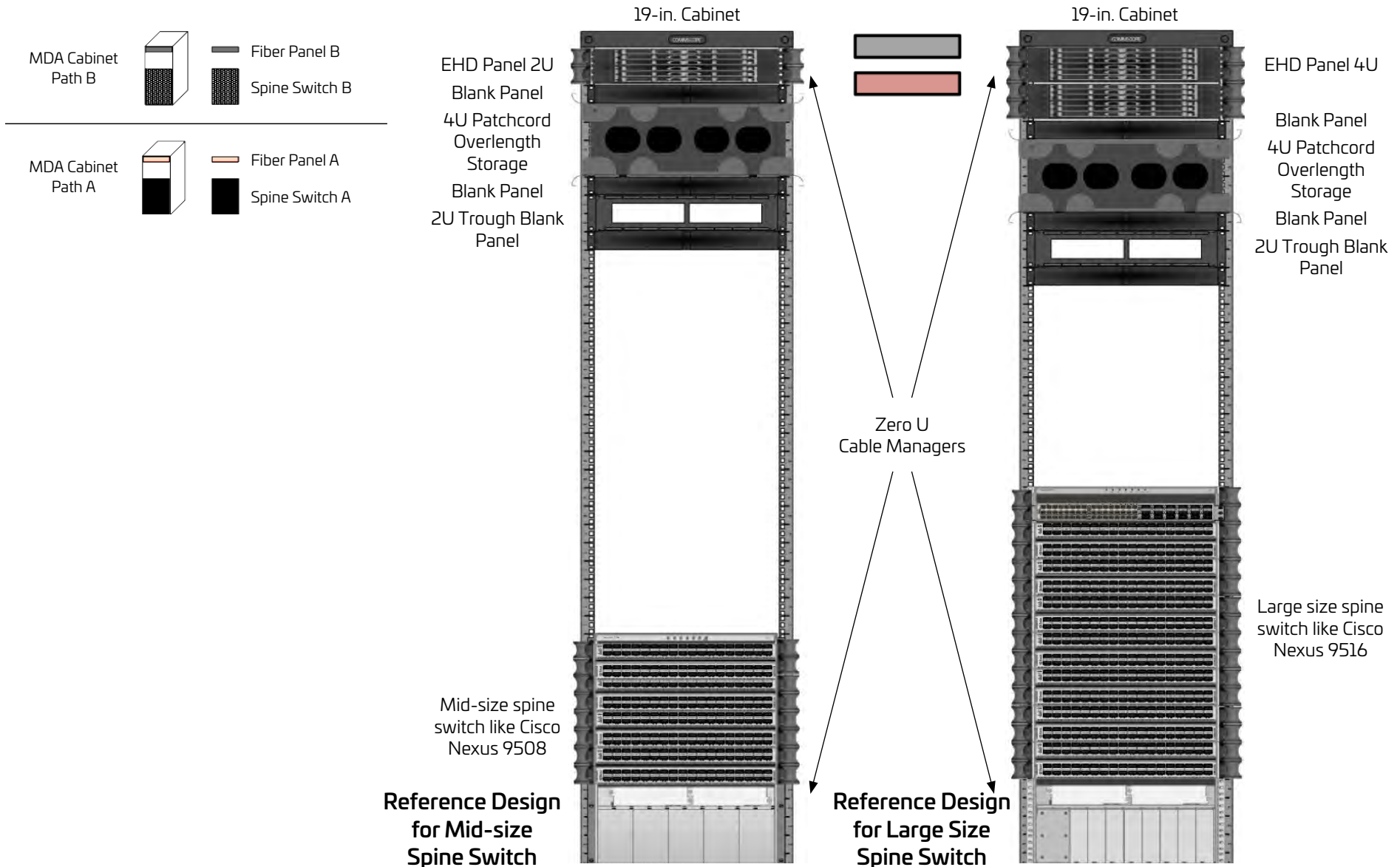
MDA Cross-connect FACT ODF

IDF FACT

IDF 19-in.

Fiber Entrance Cabinet (FEC)





Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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19-in. Cross-connect Path B



19-in. Cross-connect Path B

19-in. Cabinet

3 x EHD Panels 4U
Patch section 1

Blank Panel

Overlength Storage 4U

Blank Panel

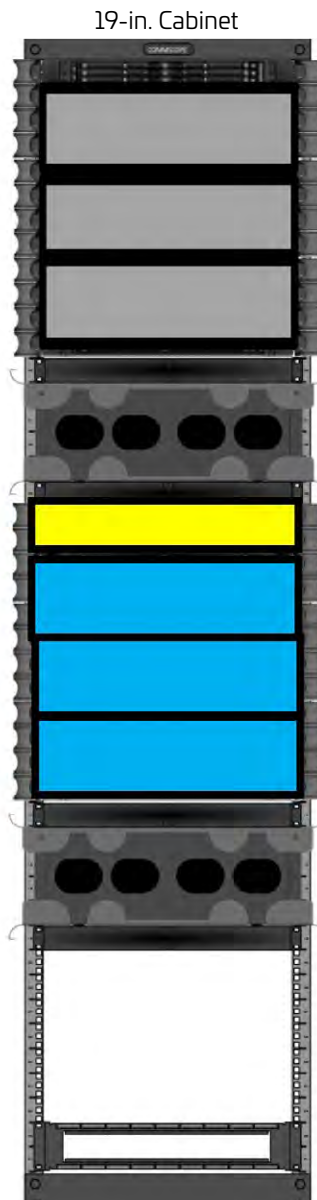
3 x EHD Panels 4U
Patch Section 2

Blank Panel

Overlength Storage 4U

Blank Panel

Cable Trough 2U to guide patch cords to adjacent cabinets



19-in. Cabinet

3 x EHD Panels 4U
Patch section 1

Blank Panel

Overlength Storage 4U

Blank Panel

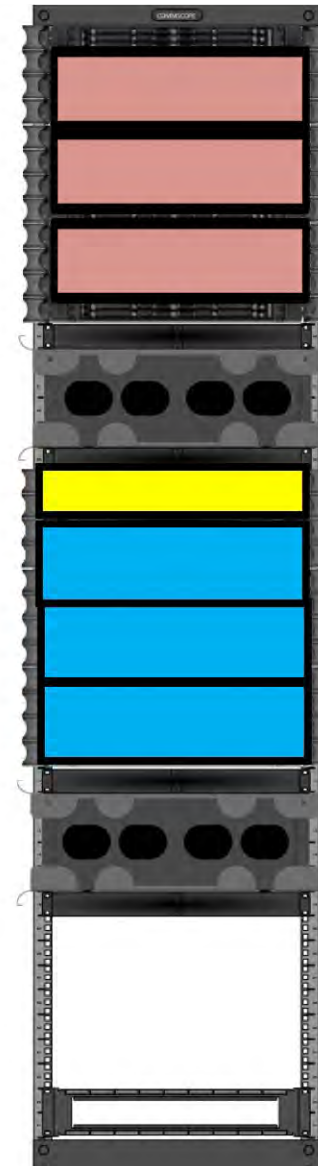
3 x EHD Panels 4U
Patch Section 2

Blank Panel

Overlength Storage 4U

Blank Panel

Cable Trough 2U to guide patch cords to adjacent cabinets



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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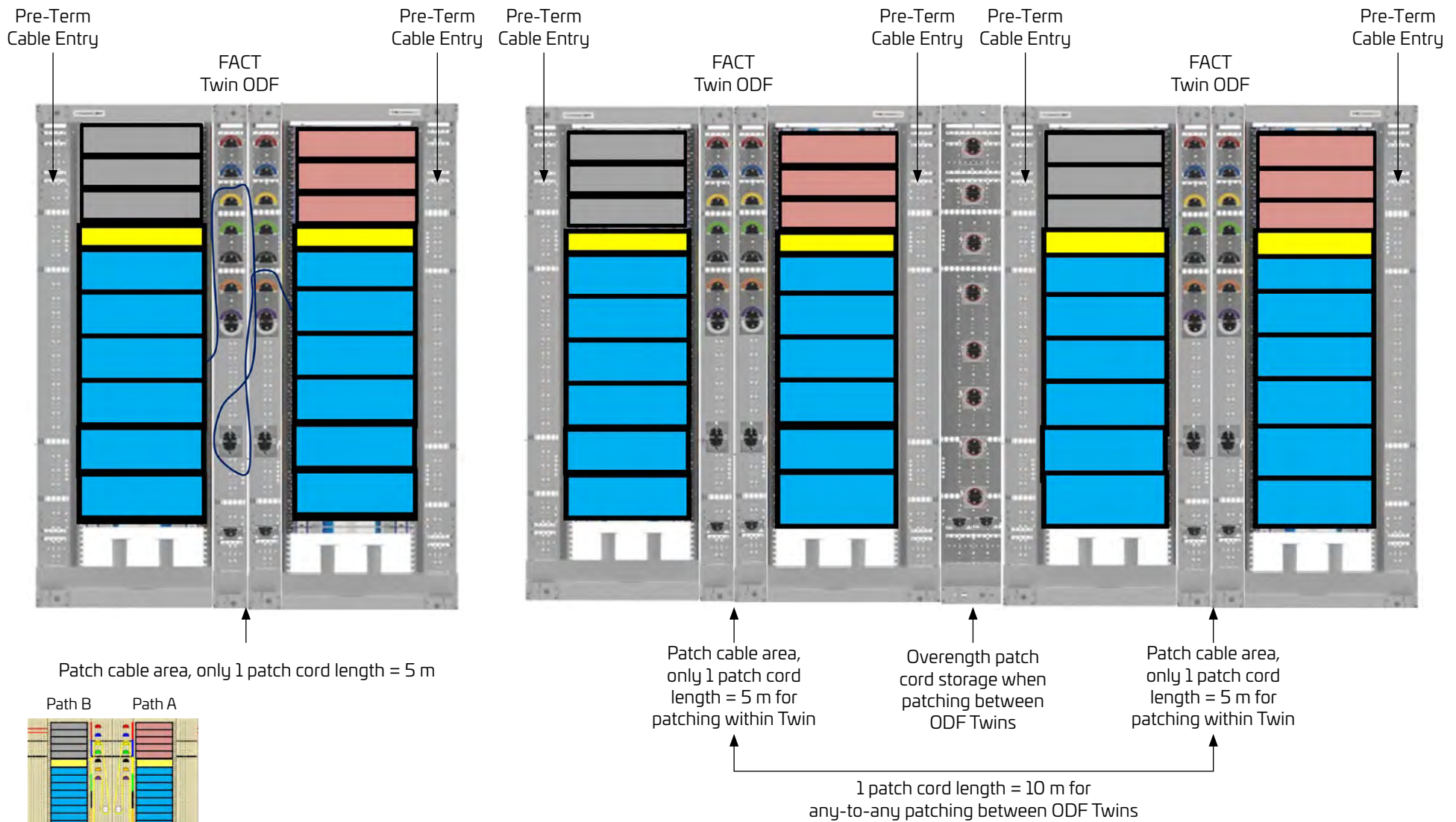
Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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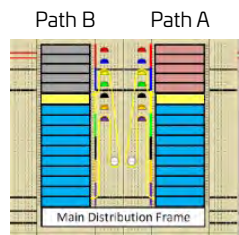
Patch cable area, only 1 patch cord length = 5 m

Patch cable area, only 1 patch cord length = 5 m for patching within Twin

Overlength patch cord storage when patching between ODF Twins

Patch cable area, only 1 patch cord length = 5 m for patching within Twin

1 patch cord length = 10 m for any-to-any patching between ODF Twins



FACT ODF Cross-connect

Note: The XC can consist of more than 4 cabinets depending on the DC size.

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

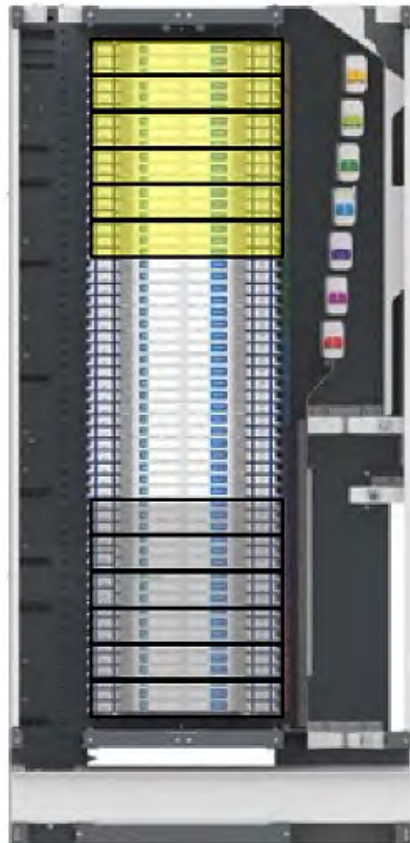
MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Pre-Term Cable Entry
IDF B

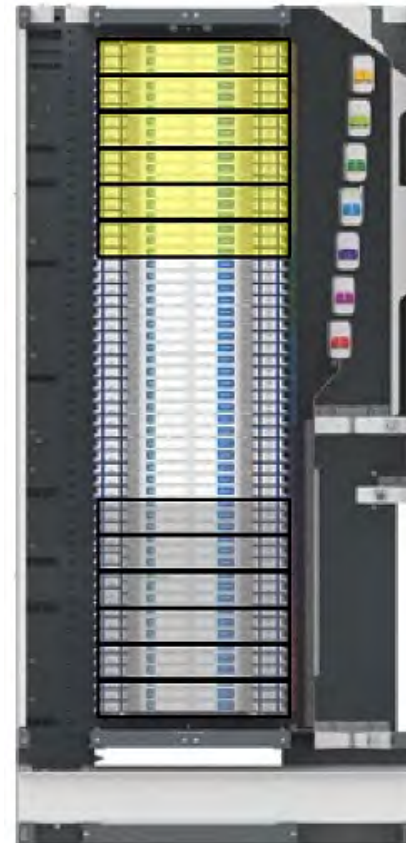


FACT Elements
(to Customer Cage)

FACT Elements
(from MMR)

Patch Cable Area,
Only 1 Patch Cord
Length = 5 m

Pre-Term Cable Entry
IDF A



FACT Elements
from MMR
(to Customer Cage)

FACT Elements
from MMR
(from MMR)

Patch Cable Area,
Only 1 Patch Cord
Length = 5 m

Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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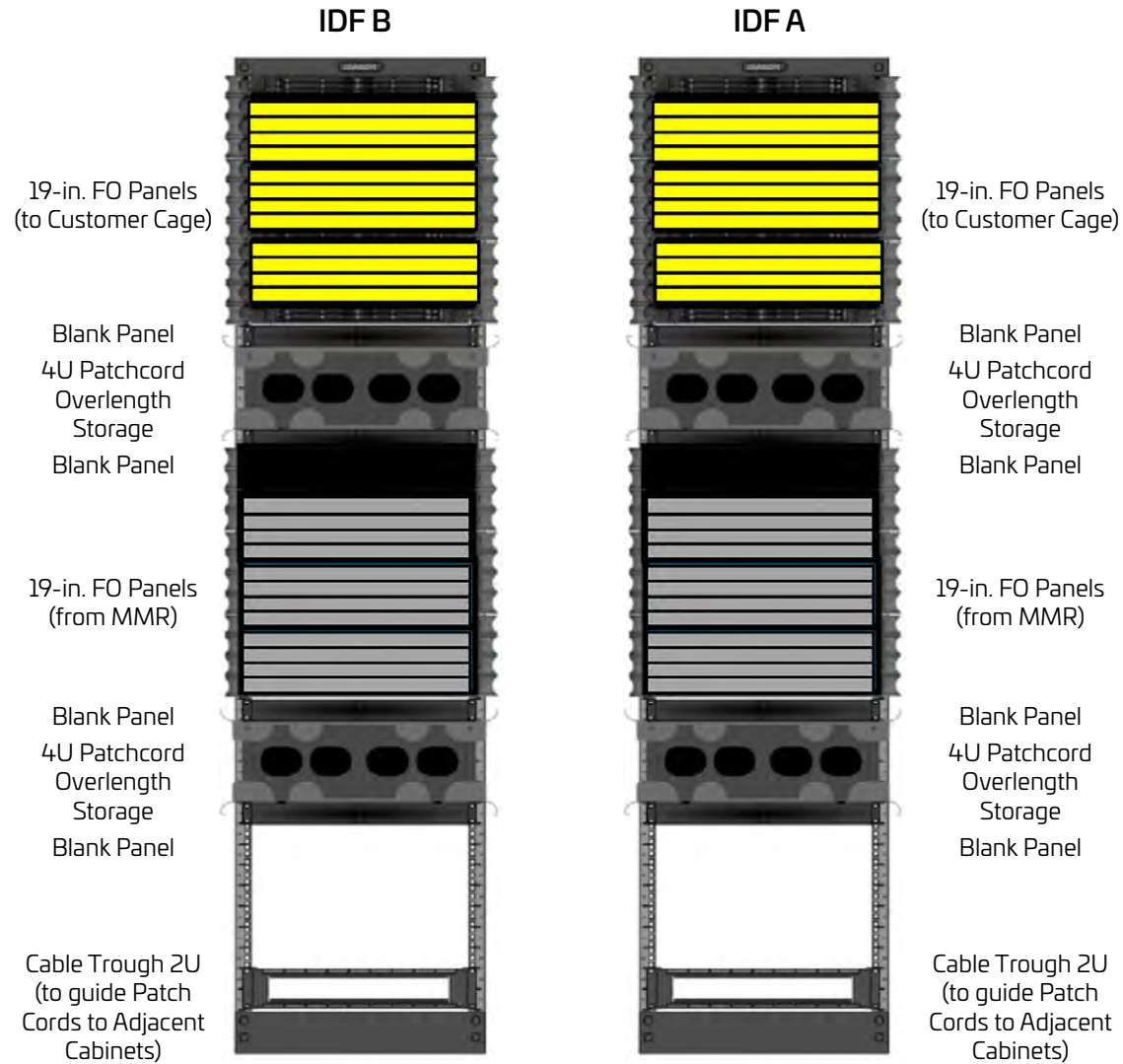
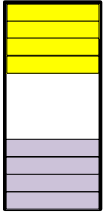
Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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Direct System Selection Index

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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

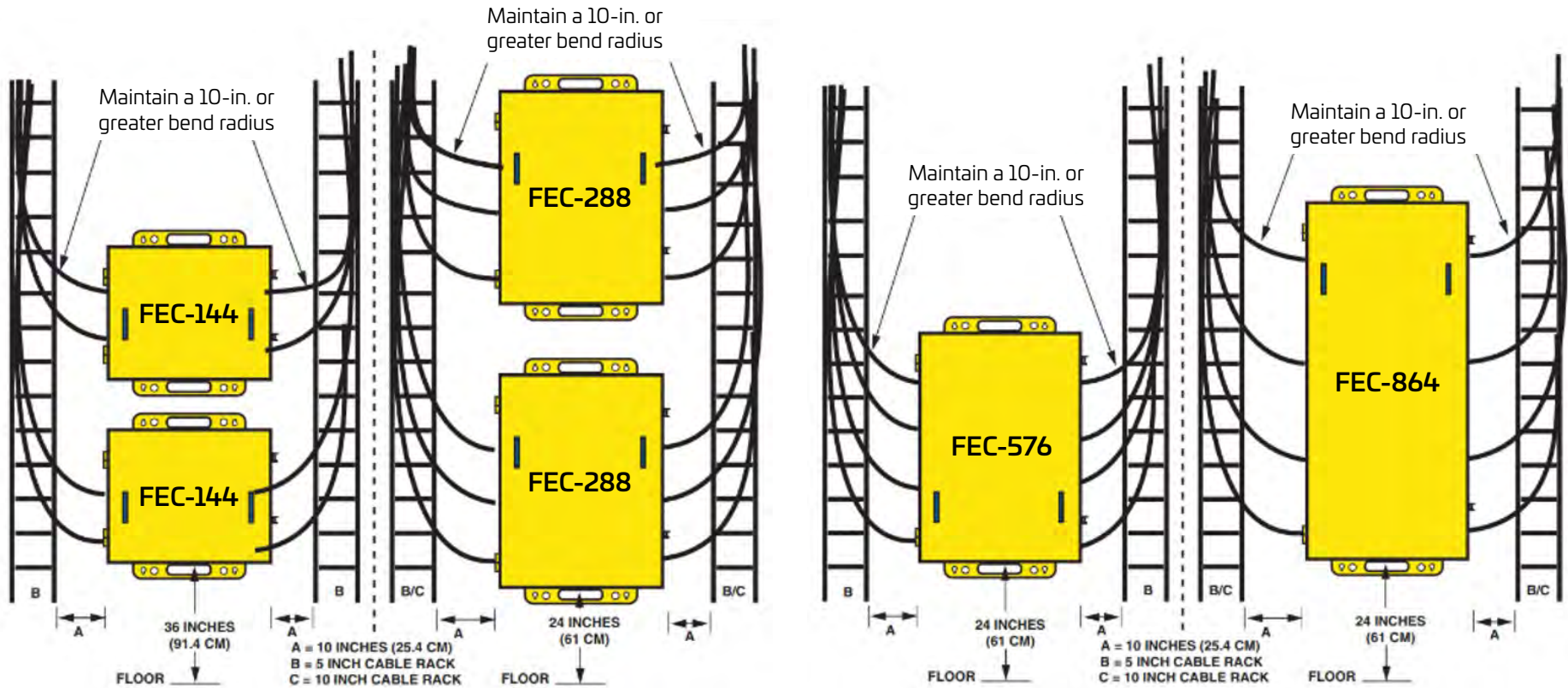
MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Review the User Manual [here](#).



Direct System Selection Index

FEC	FACT ODF	UMSC	Flex Frame ODF, 19-in. EHD Panels	FOSC 600	19-in. Splice Solutions	Singlemode Fiber Cables	Singlemode Patch Cord, Cable Mgmt Products	Pre-term 19-in. Fiber	Pre-term FACT ODF Fiber	FiberGuide	Copper Category 6A	Powered Fiber
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Architecture System Selection Index

Colocation Campus and Building Infrastructure

Fiber Entrance, Meet-Me Room	High Fiber Count DC Interconnect	Campus Cabling	Building Cabling	Campus Cabling for Wi-Fi and Security
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Customer Space Cabling Infrastructure

MDA Fiber	EDA Fiber	EDA Copper	FiberGuide Raceway
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Reference Designs and Technical Information

MDA Cabinet	MDA Cross-connect 19-in.	MDA Cross-connect FACT ODF	IDF FACT	IDF 19-in.	FEC
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