



COMCAST

Fiber Lit Program Ordering Guide

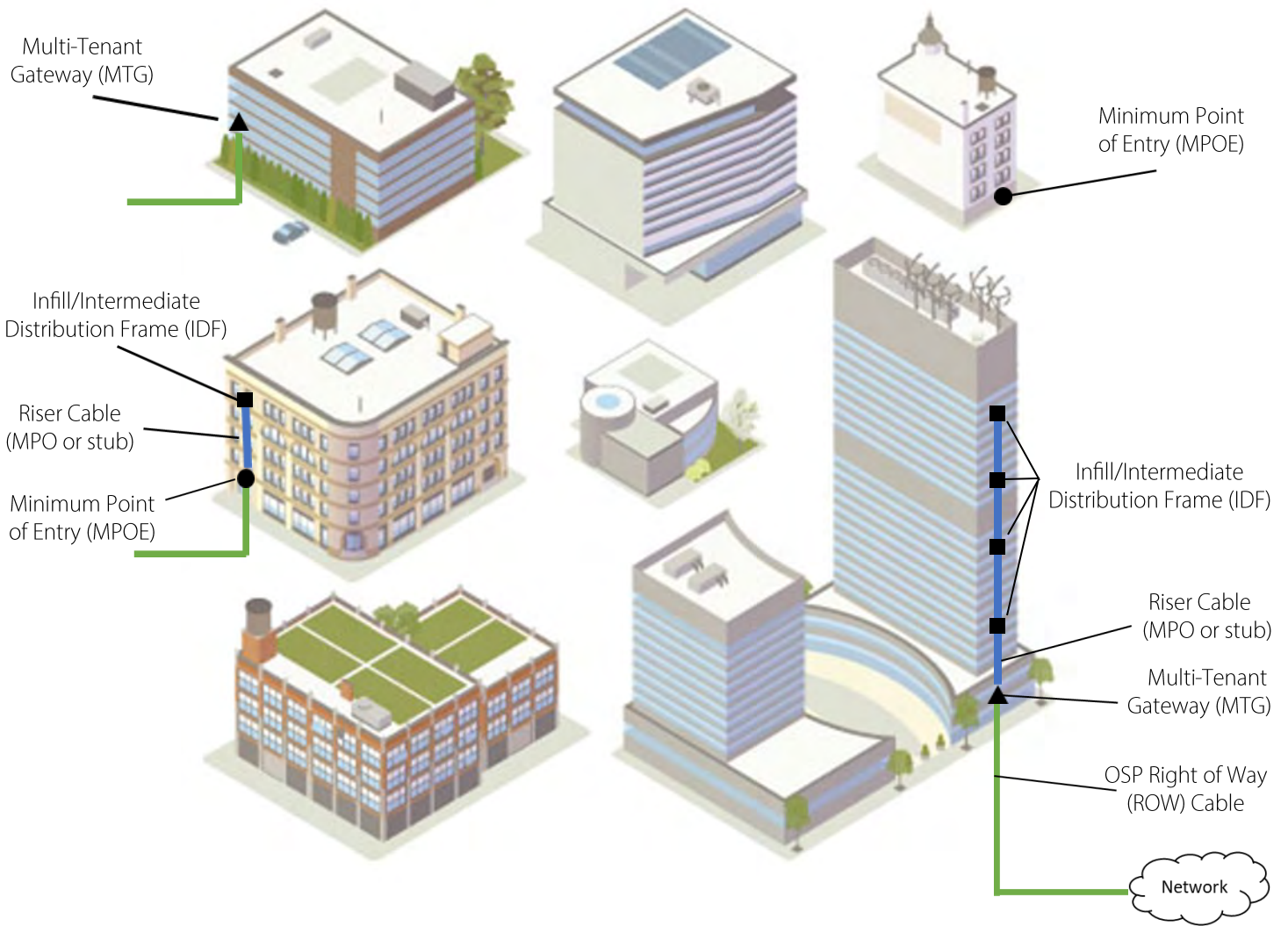
Amphenol 
Broadband Solutions®



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Fiber Lit Applications Overview



Symbol Key:

- ▲ Multi-Tenant Gateway (MTG)
- Infill / Intermediate Distribution Frame (IDF)
- Minimum Point of Entry (MPOE)
- ROW Cable
- Riser Cable

Minimum Point of Entry (MPOE) Solutions



Patch/Output Closure

Mux/Input Closure

Mux/Input Enclosures

- FD3 closure with splice tray(s)
- ROW/OSP Cable Entry
- 1-3 DWDM Mux Units Capacity
 - Primary: Dual 4CH and Dual 8CH DWDM
 - Secondary: 20CH DWDM
 - LC/APC output/patch capability

Patch/Output Enclosures

- Bulkhead Panel
 - Cross-Connect/Patching from FD3 Input Mux Closure to Customers
 - LC/APC up to 96 count
 - Med-Large Business: Splice and/or MPO termination capabilities

Minimum Point of Entry (MPOE) Solutions

- Utilizing two ABS FD3 units for both deployment requirements
- Total Dimensions: 17.1" W x 30.5"H x 5.5"D
- Direct routing of mux/distribution patch by eliminating potential exposure risk
- Optical Passives: Mini-LGX Mux units
- Direct Splice and MPO Termination Options for Medium-Large Business Application



Mux/Input Enclosure

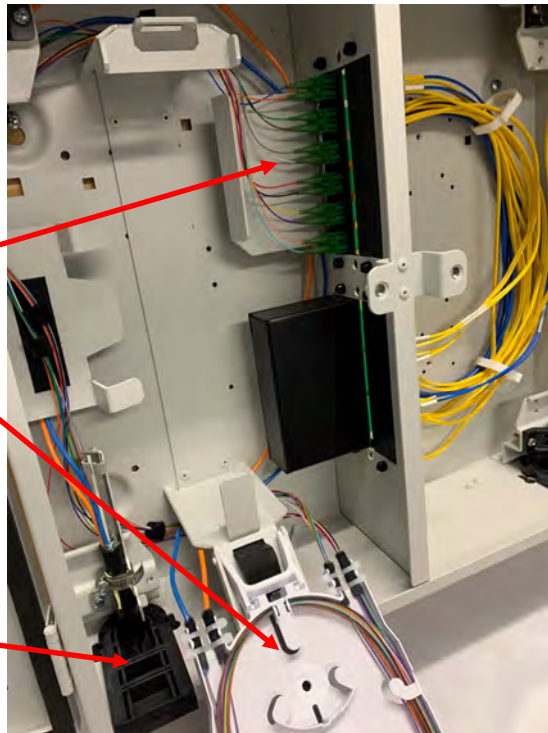
Mux/Input Closure: CIFA 300618	
QTY	Description
1	FD3 Enclosure
1	Medium Splice Tray with 2 SF Splice Modules (12F Capacity Each)
3	Mini-LGX Mux Cassette Positions (Muxes Ordered Separately)
1	LC/APC, 6 Duplex Adapter Panel ('COM' Mux Patch Field)
4	LC/APC, .5M Blue Jumpers (Patch from Adapters to Mux Input)
2	Cable Strength Member Brackets
1	#6AWG Ground Strap and Mini-B Bond



Mux/Input Enclosure Features

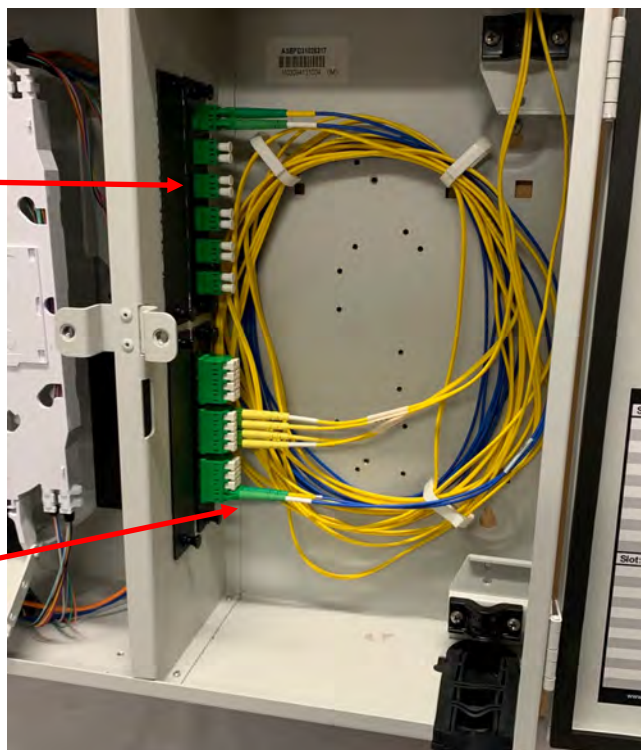
Splicing of OSP/
ROW Entry Cable:
LC/APC Pigtailed to
LC/APC 'COM' Patch

OSP Cable Entry



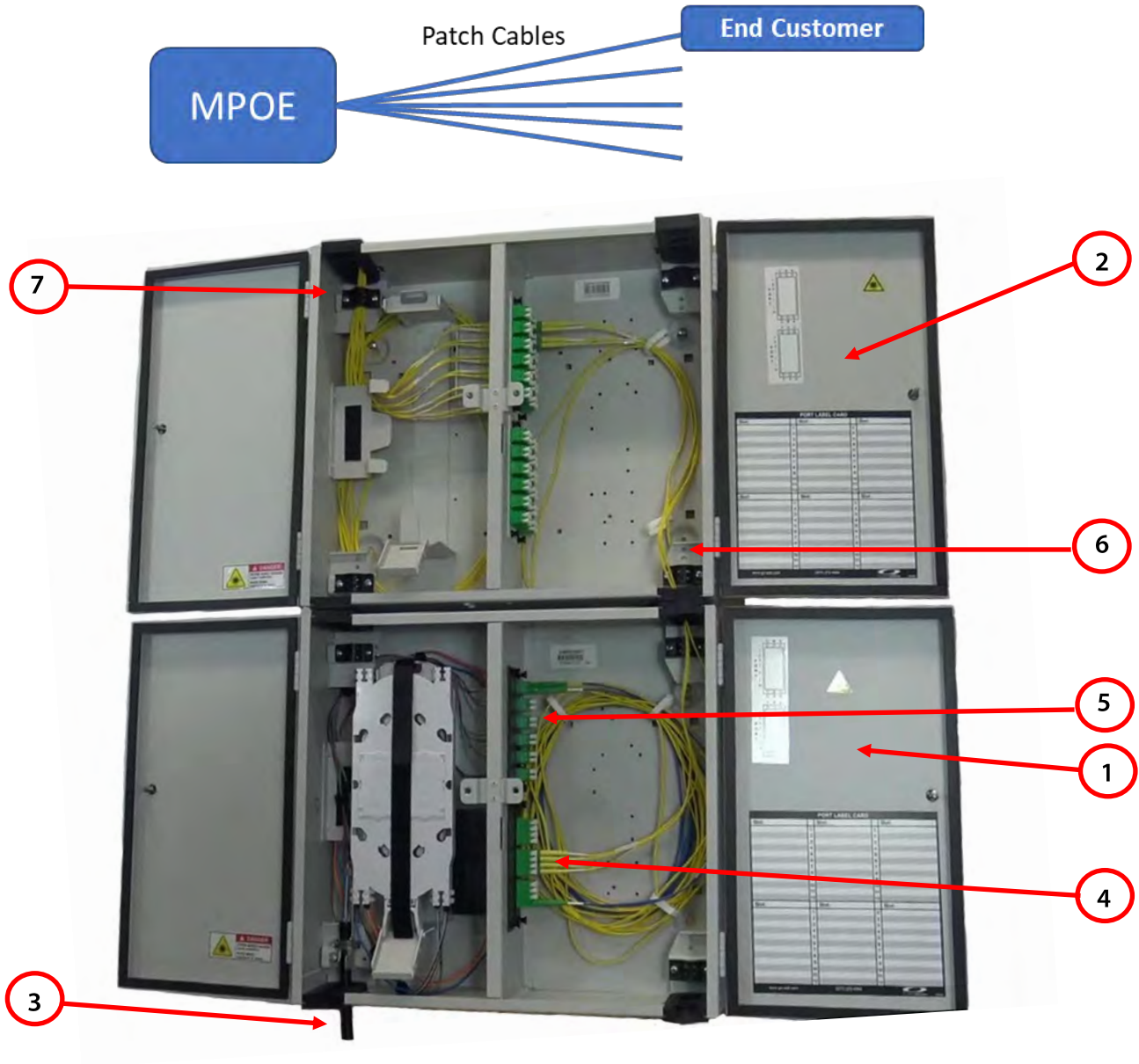
LC/APC Mux 'COM'
Bulkhead

Patching to Mux
'COM' Input



Minimum Point of Entry (MPOE) Solutions

Application: Small-Medium Buildings



- 1. Mux/Input Closure
- 2. Patch/Output Closure
- 3. ROW/OSP Cable Input
- 4. Mini-LGX Muxes
- 5. Mux 'COM' Patch Field
- 6. Mux Outputs
- 7. Customer Drops

Minimum Point of Entry (MPOE) Solutions

Application: Small-Medium Buildings



- Direct Feed from Mux/Input Closure
- Stacking of port entry/exit eliminates fiber exposure
- Separate chamber dedicated to customer drops

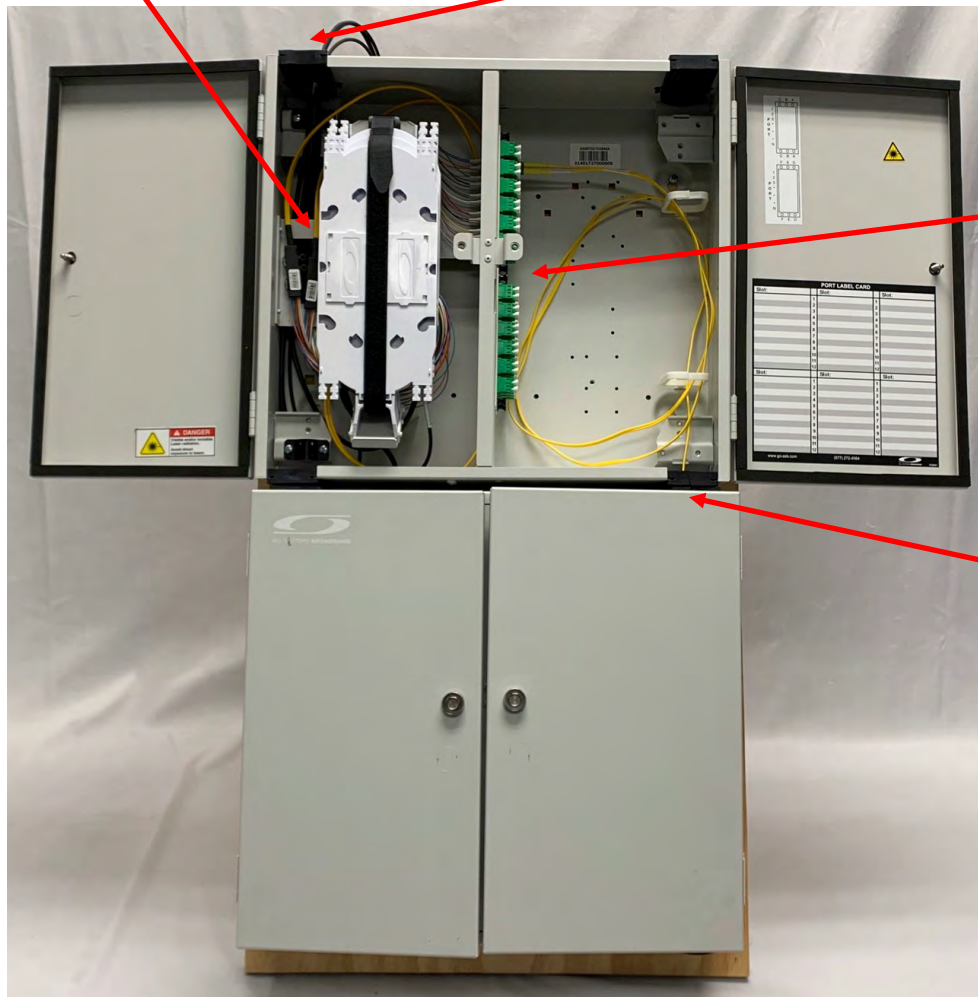
Minimum Point of Entry (MPOE) Solutions

Application: Medium-Large Buildings



Splice or MPO
Terminations

Infill/IDF Riser Entry



Patch Field

Mux Output

- Two Potential Tray Configurations (Splice or MPO)
- Configure Utilizing 'Patch/Output Closure' Accessories

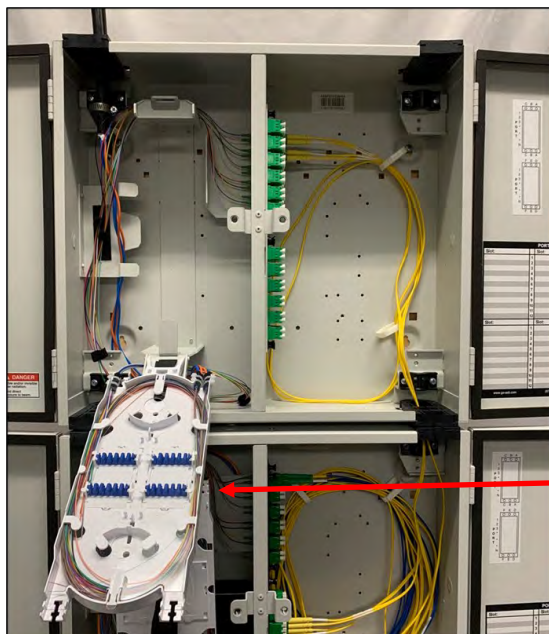
Minimum Point of Entry (MPOE) Solutions

Application: Medium-Large Buildings



MPO Adapter Module Kit: CIFA 300621

- Medium Splice Tray, QTY 1
- MPO Tray Adapters, QTY 4
- Adapter holder snaps into same cradle used for SF splice modules



Splice Tray Kit: CIFA 96641

- Medium Splice Tray, QTY 1
- SF Splice Modules, QTY 2
 - 12F Capacity each module



Minimum Point of Entry (MPOE) Solutions

Application: Medium-Large Buildings

Patch Closure—Splice Version



Patch Closure—MPO Version



Fiber Demarcation Box Gen 3 (FD3)

Amphenol has released an expanded capacity fiber demarcation wall-mount enclosure that provides flexibility and versatility for a variety of indoor applications.

The FD3 offers a lightweight aluminum housing with enhancements to cable ports, tie-down brackets and seals, layered fiber routing, various connector port types and increased capacity, as well as door lock options.

Splice trays are configurable to accommodate discrete passive components, such as; splitters and WDM filters, as well as High Density optical modules. The center demarcation panel enables High Density HiD4 optical passive cassettes or Mini-LGX cassettes to be installed along with traditional connector bulkhead panels.

The FD3 enclosure will accommodate both SC and LC style connectors in LGX® compatible bulkhead panels and provides an ideal environment for splicing and patching when building, maintaining and storing your vital network connection points.

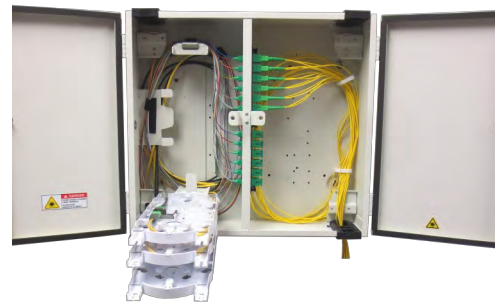
MPO connectors can also be leveraged in the FD3. Fanouts terminated with an MPO connector are available with the MPOs mounting on the splice tray.

Features:

- Improved cable port tie-downs for cable sheath and strength members
- Rubber port seals provided as standard
- New dual cable retention bracket enables multiple cables per port and allows for larger cable diameters
- Layered fiber routing separates cable tubes from buffered fibers
- High density connector port capacity
- Bulkhead accepts up to 48 SC or 96 LC adapters as well as passive cassettes
- Fanouts terminated with MPO connectors can be installed on splice tray
- Standard 216 security door lock screws
- Padlock hasp available
- Key lock options available (both doors)
- Hinged / removable splice trays
- Easy wall mounting – hardware included
- Flexible configuration options
- Grounding and feed-thru options
- Configurations available for tray and bulkhead mounting of passive components and modules within the enclosure.



Fiber Demarcation Box Gen 3



Fiber Demarcation Box Gen 3 with MPO

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Mux & Patch Enclosures

CIFA	Description	Part Number
Input Closure—MPOE		
300618	Fiber Demarc Box Gen 3, (2) Strength Member Brackets, (1) Ground Feed-Thru, (1) #6AWG Ground Strap, (1) Mini-B Bond, (1) LC/APC 6 Duplex Adapter Panel & (6) 900um Pigtails, (1) Medium Splice Trays with (2) SF Splice Module per Tray, (4) LC/APC 0.5M Jumpers Blue, For Mux COM Patching	FD31027688
Output Closure—MPOE		
300619	Fiber Demarc Box Gen 3, (4) LC/APC 12 Duplex Adapter Panels, 96F Patch	FD31027705
Output Closure Accessories—Splice		
300622	Fiber Pigtail, LC/APC, 1.5M, Fibers 1-6	1020122-005
300623	Fiber Pigtail, LC/APC, 1.5M, Fibers 7-12	1020122-006
96641	Medium Splice Tray, 2—SF Modules, 12 Sleeve Capacity each module	UST1023694-10
Output Closure Accessories—MPO		
300620	Fanout Assembly, Qty 2, 12F, LC/APC-MPO, SM (2—12F MPO to LC/APC Breakout)	1027696
300621	Medium Tray, Qty 4, MPO Tray Adapters (4—MPO Adapters per Tray) - FD3	UST1027697

DWDM Mux Cassettes

Amphenol provides a full product offering of LGX® cassettes in the growing line of DWDM passive products.

The LGX style cassettes are compatible with LGX shelf mounting and are available in single and double chassis widths. Cassettes are available in a mini (3") depth which enables back-to-back mounting options. Each single chassis width allows for mounting of up to 9 SC simplex, 6 SC duplex, or 6 LC quad adapter ports, or a combination of each.

Cassettes can be partially or fully configured with DWDM channels and also include ports for monitoring (test), upgrades and express-through bands.



4ch DWDM Mux

Features:

- LGX footprint and mounting compatibility
- Dual 4ch, Dual 8ch, and 20ch DWDM channel counts. Other DWDM channel counts available upon request
- 3" cassette housing depth
- LC/APC adapter ports
- Dual test ports
- Express and upgrade ports

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Optical Muxes & Splitter Units

Optical Muxes

CIFA	Connector Type	Channel Range	Description	Part Number
DWDM Dual 4 Channel				
92792	LC/APC	20-23	DWDM, Mini-LGX, DUAL 4ch, 20-23, DTP, EXP, UPG, LC/APC	1026183-20
92793	LC/APC	24-27	DWDM, Mini-LGX, DUAL 4ch, 24-27, DTP, EXP, UPG, LC/APC	1026183-24
92794	LC/APC	28-31	DWDM, Mini-LGX, DUAL 4ch, 28-31, DTP, EXP, UPG, LC/APC	1026183-28
92795	LC/APC	32-35	DWDM, Mini-LGX, DUAL 4ch, 32-35, DTP, EXP, UPG, LC/APC	1026183-32
92796	LC/APC	36-39	DWDM, Mini-LGX, DUAL 4ch, 36-39, DTP, EXP, UPG, LC/APC	1026183-36
92797	LC/APC	40-43	DWDM, Mini-LGX, DUAL 4ch, 40-43, DTP, EXP, UPG, LC/APC	1026183-40
92798	LC/APC	44-47	DWDM, Mini-LGX, DUAL 4ch, 44-47, DTP, EXP, UPG, LC/APC	1026183-44
92799	LC/APC	48-51	DWDM, Mini-LGX, DUAL 4ch, 48-51, DTP, EXP, UPG, LC/APC	1026183-48
92800	LC/APC	52-55	DWDM, Mini-LGX, DUAL 4ch, 52-55, DTP, EXP, UPG, LC/APC	1026183-52
92801	LC/APC	56-59	DWDM, Mini-LGX, DUAL 4ch, 56-59, DTP, EXP, UPG, LC/APC	1026183-56
DWDM Dual 8 Channel				
92782	LC/APC	20-27	DWDM, Mini-LGX, DUAL 8ch, 20-27, DTP, EXP, UPG, LC/APC	1026172-20
92783	LC/APC	28-35	DWDM, Mini-LGX, DUAL 8ch, 28-35, DTP, EXP, UPG, LC/APC	1026172-28
92785	LC/APC	36-43	DWDM, Mini-LGX, DUAL 8ch, 36-43, DTP, EXP, UPG, LC/APC	1026172-36
92786	LC/APC	44-51	DWDM, Mini-LGX, DUAL 8ch, 44-51, DTP, EXP, UPG, LC/APC	1026172-44
92787	LC/APC	52-59	DWDM, Mini-LGX, DUAL 8ch, 52-59, DTP, EXP, UPG, LC/APC	1026172-52
TBD	LC/APC	25-32	DWDM, Mini-LGX, DUAL 8ch, 25-32, DTP, EXP, UPG, LC/APC	1026172-25
92784	LC/APC	33-40	DWDM, Mini-LGX, DUAL 8ch, 33-40, DTP, EXP, UPG, LC/APC	1026172-33
DWDM 20 Channel				
92737	LC/APC	20-39	DWDM, LGX, 20ch, 20-39, DTP, EXP, UPG, LC/APC	1026112-20
92738	LC/APC	40-59	DWDM, LGX, 20ch, 40-59, DTP, EXP, UPG, LC/APC	1026112-40

Optical Splitters

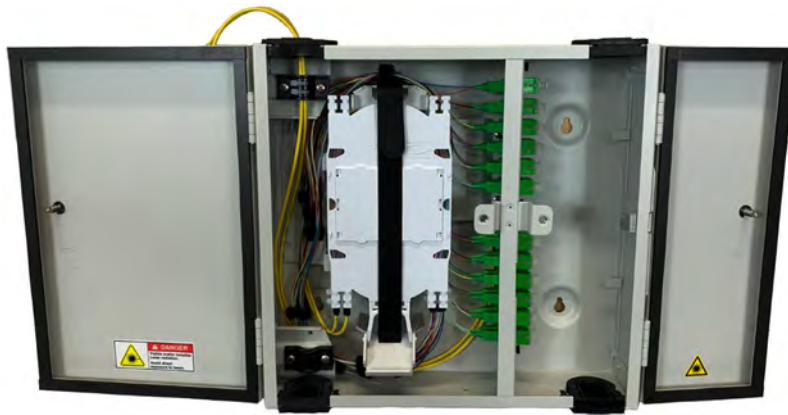
CIFA	Description	Part Number
34606	1x2 FBT Splitter, 250um, 2mtr pigtail, no connectors plus MF module and FOSC C/D tray adapter	1026401
34607	1x4 PLC Splitter, 250um, 2mtr pigtail, no connectors plus MF module and FOSC C/D tray adapter	1026386
34608	1x8 PLC Splitter, 250um, 2mtr pigtail, no connectors plus MF module and FOSC C/D tray adapter	1026387

Product Installation Training Videos for MPOE

- MPOE Input Closure Tutorial:
<https://youtu.be/0-a7yTMgL2s>
- MPOE Output Closure for Small-Medium Buildings Tutorial:
<https://youtu.be/4SDzrDr7MHA>
- MPOE Output Closure for Medium-Large Buildings using Loose Tube Riser Cables Tutorial:
https://youtu.be/kt_umayAewI
- MPOE Output Closure for Medium-Large Buildings using MPO Riser Cables Tutorial:
<https://youtu.be/1M7LBloeYOA>

Infill / Intermediate Distribution Frame (IDF) Solutions

- MPO and/or Splice Input Capabilities
- FDE or FD3 Enclosure based on Capacity Requirements
 - FDE: 12-24F SC/APC Patch Capacity, 13.0"W x 11.9"H x 3.8"D
 - FD3: 48F SC/APC Patch Capacity, 17.1"W x 15.25"H x 5.5"D
- MPO and Splice Accessories
 - Ability to add MPO and/or Splice Combination
 - Splice and MPO Trays and Pigtail Sets



FDE



FD3

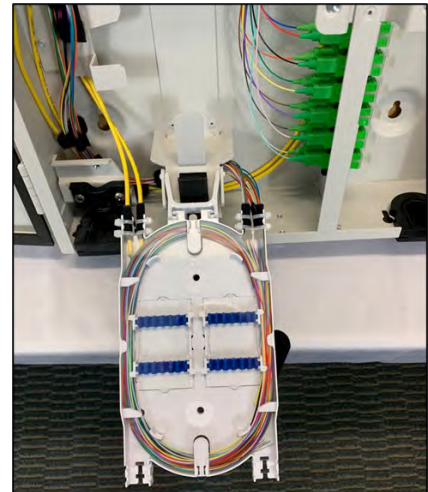
FDE Infill Solutions (12-24F) MPO or Splice



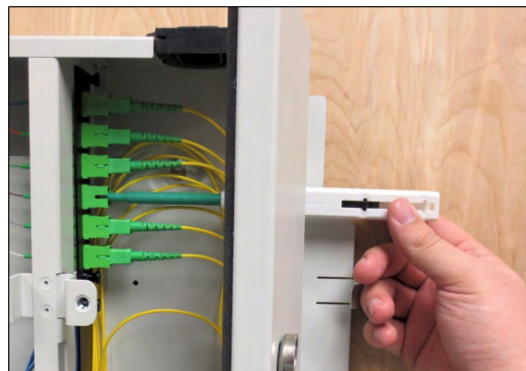
Patch Field



MPO



Splice



Optical Cleaning Tool use with FDE

FD3 Infill Solutions (48F) MPO or Splice



Input from MPOE/MTG



Patch/Output to SFU/SBU

FDE & FD3 Infill Accessories

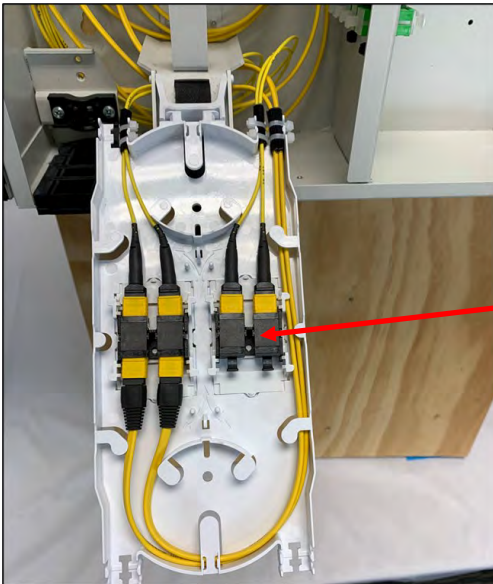
Splice Tray Accessory Kits:

- FDE Unit: Small Splice Tray with (2) SF Splice Modules
- FD3 Unit: Medium Splice Tray with (2) SF Splice Modules

(each SF splice module has capacity for 12 single splice sleeves)

MPO Tray Adapter Kits:

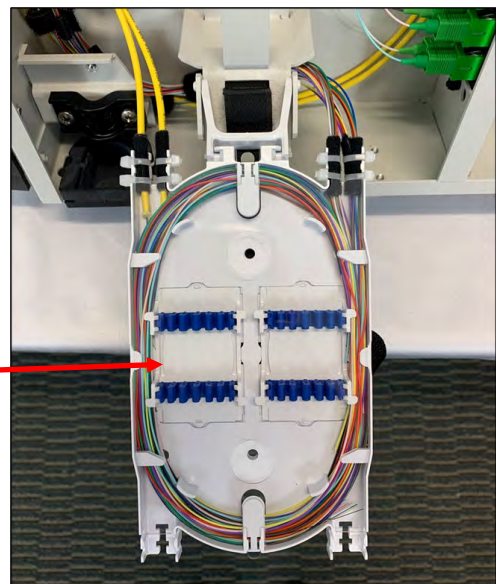
- FDE Unit: Small Splice Tray with (2) MPO Adapters
- FD3 Unit: Medium Splice Tray with (4) MPO Adapters
 - Adapter holder snaps into same cradle used for SF splice modules



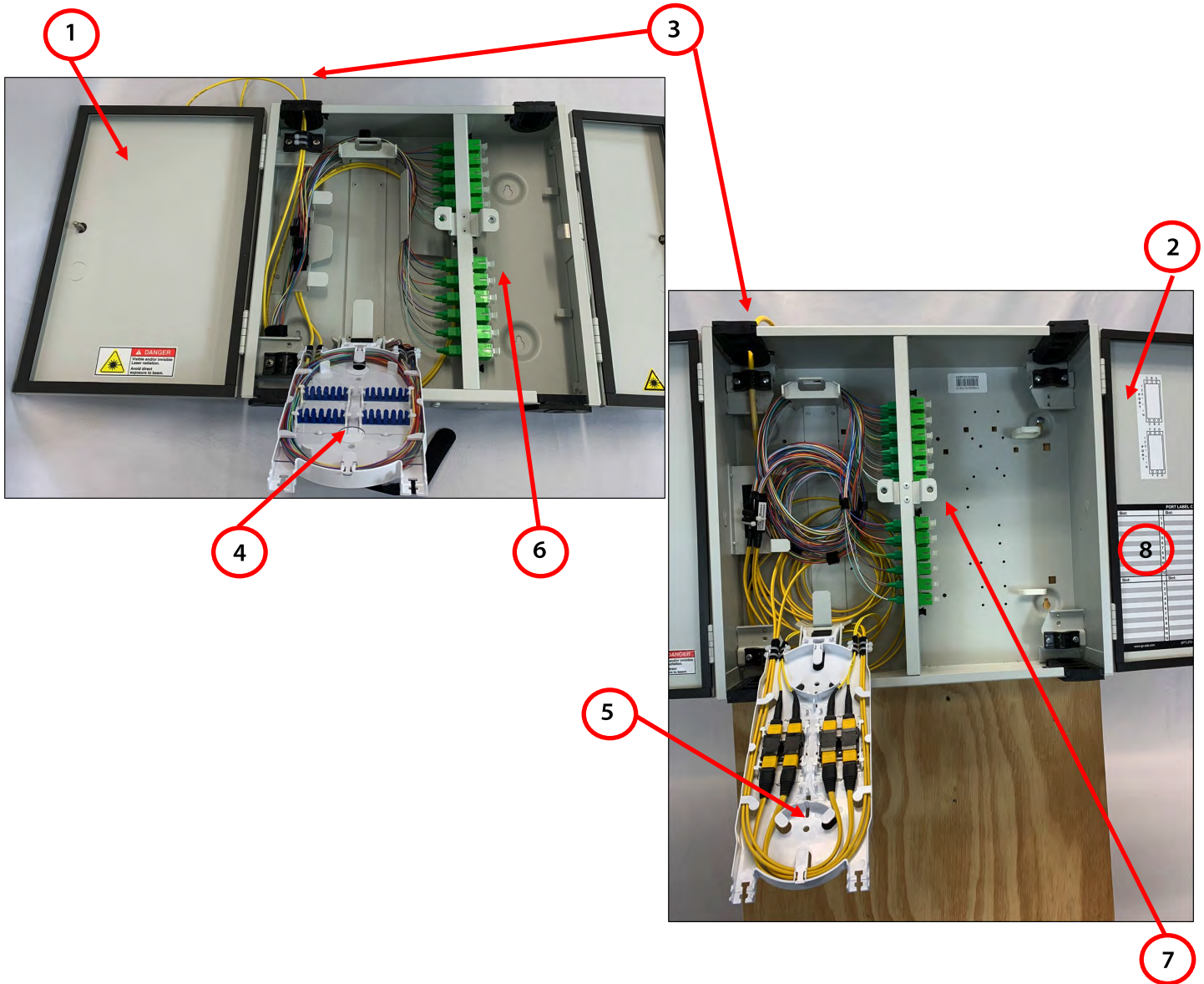
MPO Tray Adapter



SF Splice Module



Splice & MPO Closures
FDE and FD3 Infill Examples



- 1. FDE Closure (Splice/24F)
- 2. FD3 Closure (MPO/48F)
- 3. Riser Cable Input
- 4. Tray (24F, SF-Splice Capacity)
- 5. Tray (48F, MPO 4-12F Capacity)
- 6. FDE 24, SC/APC Patch Field
- 7. FD3 48, SC/APC Patch Field
- 8. Port/Designation Labeling

Infill / Intermediate Distribution Frame (IDF) Solutions

Fiber Demarcation Enhanced Access Box (FDE)

Amphenol has released a third-generation fiber demarcation wall-mount enclosure that provides improved access and versatility for a variety of indoor applications.

An integrated access door on the customer side of the enclosure provides a generous opening for a cleaning tool to reach the optical connectors resulting in a more craft-friendly design. The access door can be opened by-hand without the use of tools.

Splice trays are configurable to accommodate splices and discrete passive components, such as; splitters and WDM filters, as well as High Density optical modules. The center demarcation panel enables HiD4 High Density optical passive cassettes or Mini-LGX cassettes to be installed along with traditional connector bulkhead panels.

The FDE enclosure will accommodate both SC and LC style connectors in LGX® compatible bulkhead panels and provides an ideal environment for splicing and patching when building, maintaining and storing your vital network connection points.



Fiber Demarcation Enhanced Access Box (FDE)

Features:

- Access door on customer side allows easy cleaning tool access to optical ports
- Bulkhead accepts up to 24 SC or 48 LC adapters as well as passive cassettes
- Fanouts terminated with an MPO connector can be installed on the splice tray
- Layered fiber routing separates cable tubes from buffered fibers
- Two carrier cable entry ports with rubber grommets
- Powder coated aluminum housing
- Two customer cable exit ports with rubber grommets top and bottom for patchcord or multi-fiber cable exit
- Grommet allows pigtails to be placed in the box after termination, one-at-a-time or as a group
- Grounding and ground feed-through components
- Security bolts and provisions for padlock hasps provided for both doors
- Cable sheath clamps for carrier cables
- Customer side port map label plus identification card enable clear designation for each port
- Easy wall mounting; template and hardware included

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Infill / Intermediate Distribution Frame (IDF) Solutions

Fiber Demarcation Box Gen 3 (FD3)

Amphenol has released an expanded capacity fiber demarcation wall-mount enclosure that provides flexibility and versatility for a variety of indoor applications.

The FD3 offers a lightweight aluminum housing with enhancements to cable ports, tie-down brackets and seals, layered fiber routing, various connector port types and increased capacity, as well as door lock options.

Splice trays are configurable to accommodate discrete passive components, such as; splitters and WDM filters, as well as High Density optical modules. The center demarcation panel enables High Density HiD4 optical passive cassettes or Mini-LGX cassettes to be installed along with traditional connector bulkhead panels.

The FD3 enclosure will accommodate both SC and LC style connectors in LGX® compatible bulkhead panels and provides an ideal environment for splicing and patching when building, maintaining and storing your vital network connection points.

MPO connectors can also be leveraged in the FD3. Fanouts terminated with an MPO connector are available with the MPOs mounting on the splice tray.

Features:

- Improved cable port tie-downs for cable sheath and strength members
- Rubber port seals provided as standard
- New dual cable retention bracket enables multiple cables per port and allows for larger cable diameters
- Layered fiber routing separates cable tubes from buffered fibers
- High density connector port capacity
- Bulkhead accepts up to 48 SC or 96 LC adapters as well as passive cassettes
- Fanouts terminated with MPO connectors can be installed on splice tray
- Standard 216 security door lock screws
- Padlock hasp available
- Key lock options available (both doors)
- Hinged / removable splice trays
- Easy wall mounting – hardware included
- Flexible configuration options
- Grounding and feed-thru options
- Configurations available for tray and bulkhead mounting of passive components and modules within the enclosure.

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Fiber Demarcation Box Gen 3



Fiber Demarcation Box Gen 3 with MPO

Infill / Intermediate Distribution Frame (IDF) Solutions

CIFA	Description	Part Number
Infill/IDF Closures—Splice (12, 24, 48F)		
300960	Fiber Demarcation Box Gen 2 Enhanced with Connector Cleaning Access Door, (1) SC/APC 12 Pack Adapter Panels & 12F 900um Pigtailed, (1) Small Splice Tray with (1) SF Splice Module, 12F Patch Splice	FDE1027722
172883	Fiber Demarcation Box Gen 2 Enhanced with Connector Cleaning Access Door, (2) SC/APC 12 Pack Adapter Panels & 12F 900um Pigtailed, (1) Small Splice Tray with (2) SF Splice Module, 24F Patch Splice	FDE1027724
172884	Fiber Demarc Box Gen 3, (4) SC/APC 12 Duplex Adapter Panels & (4) 12F 900um Pigtailed, (2) Medium Splice Trays with (2) SF Splice Module per Tray, 48F Patch Splice	FD31027720
Infill/IDF Closures—MPO (12, 24, 48F)		
172885	Fiber Demarcation Box Gen 2 Enhanced with Connector Cleaning Access Door, (1) SC/APC 12 Pack Adapter Panels & 12F MPO Fanout, (1) Small Splice Tray with (2) MPO Adapters, 12F Patch MPO	FDE1027723
172886	Fiber Demarcation Box Gen 2 Enhanced with Connector Cleaning Access Door, (2) SC/APC 12 Pack Adapter Panels & (2) 12F MPO Fanout, (1) Small Splice Tray with (2) MPO Adapters, 24F Patch MPO	FDE1027729
172887	Fiber Demarc Box Gen 3, (4) SC/APC 12 Pack Adapter Panels & (4) 12F MPO Fanouts, (2) Medium Splice Tray with (2) MPO Adapters, 48F Patch MPO	FD31027731
Infill/IDF Closure Accessories—Splice		
88121	Small Splice Tray, 2—SF Modules, 12 Sleeve Capacity each module—FDE	UST1010809-10
96641	Medium Splice Tray, 2—SF Modules, 12 Sleeve Capacity each module—FD3	UST1023694-10
89923	FDE Pigtail Kit w/(12) SC/APC Adapters and 900um Color Coded Pigtailed	ASBACC1024222
Infill/IDF Closure Accessories—MPO		
172888	Small Splice Tray, Qty 2, MPO Tray Adapters—FDE	UST1027726
300621	Medium Tray, Qty 4, MPO Tray Adapters (4—MPO Adapters per Tray) - FD3	UST1027697
172889	12F, MPO—SC/APC, SM (FD), Adapter Plate	1024478-007

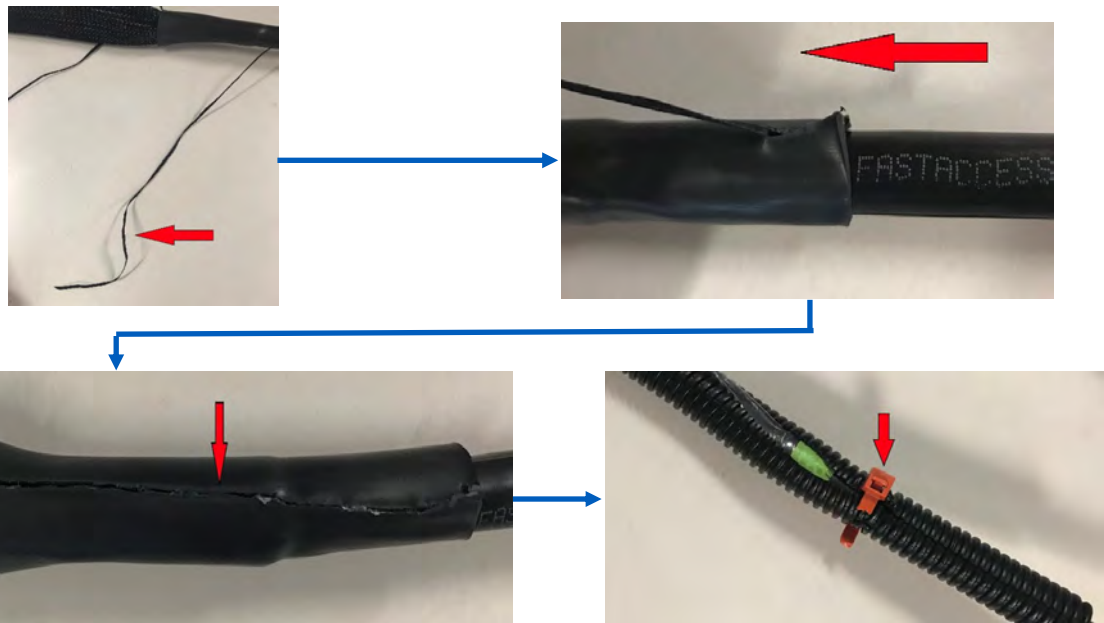
MPO Cable Assemblies

Two cable assembly types are approved for Fiber Lit applications:

- Stub to MPO assemblies, fiber counts 12, 24, 48, and 96f (stub end pulls from reel first)
- MPO to MPO assemblies, fiber counts 12, 24, 48, and 96f
- TriFlange Spool provides safety for connectors during de-reeling
- Both Pulling Eye and Protective Sock have rip-cord removal system
 - Eliminates potential issues with having to cut heat shrink or tape



MPO Cable Assembly on Reel



MPO Cable Assemblies

CIFA	Description	Part Number
12 Fiber MPO-MPO Assemblies		
172890	12F MPO-F to MPO-F 3.8mm SM MD Method A OFNP w/PE—100'	C5830-100-995
172891	12F MPO-F to MPO-F 3.8mm SM MD Method A OFNP w/PE—200'	C5830-200-995
172892	12F MPO-F to MPO-F 3.8mm SM MD Method A OFNP w/PE—400'	C5830-400-995
172893	12F MPO-F to MPO-F 3.8mm SM MD Method A OFNP w/PE—600'	C5830-600-995
172894	12F MPO-F to MPO-F 3.8mm SM MD Method A OFNP w/PE—800'	C5830-800-995
172895	12F MPO-F to MPO-F 3.8mm SM MD Method A OFNP w/PE—1000'	C5380-305-MT-995
24 Fiber MPO-MPO Assemblies		
172896	24F 2-MPO12F to MPO12F 6.4mm SM MD Method A OFNP w/PE—100'	C5831-100-995
172897	24F 2-MPO12F to MPO12F 6.4mm SM MD Method A OFNP w/PE—200'	C5831-200-995
172898	24F 2-MPO12F to MPO12F 6.4mm SM MD Method A OFNP w/PE—400'	C5831-400-995
172899	24F 2-MPO12F to MPO12F 6.4mm SM MD Method A OFNP w/PE—600'	C5831-600-995
172900	24F 2-MPO12F to MPO12F 6.4mm SM MD Method A OFNP w/PE—800'	C5831-800-995
172901	24F 2-MPO12F to MPO12F 6.4mm SM MD Method A OFNP w/PE—1000'	C5381-305-MT-995
48 Fiber MPO-MPO Assemblies		
172902	48F 4-MPO12F to 4-MPO12F 6.4mm SM MD Method A OFNP w/PE—100'	C5832-100-995
172903	48F 4-MPO12F to 4-MPO12F 6.4mm SM MD Method A OFNP w/PE—200'	C5832-200-995
172904	48F 4-MPO12F to 4-MPO12F 6.4mm SM MD Method A OFNP w/PE—400'	C5832-400-995
172905	48F 4-MPO12F to 4-MPO12F 6.4mm SM MD Method A OFNP w/PE—600'	C5832-600-995
172906	48F 4-MPO12F to 4-MPO12F 6.4mm SM MD Method A OFNP w/PE—800'	C5832-800-995
172907	48F 4-MPO12F to 4-MPO12F 6.4mm SM MD Method A OFNP w/PE—1000'	C5382-305-MT-995
96 Fiber MPO-MPO Assemblies		
172908	96F 8-MPO12 to 8-MPO12 8.7mm SM MD Method A OFNP w/PE—Stub off first—100'	C5868-100-995
172909	96F 8-MPO12 to 8-MPO12 8.7mm SM MD Method A OFNP w/PE—Stub off first—200'	C5868-200-995
172910	96F 8-MPO12 to 8-MPO12 8.7mm SM MD Method A OFNP w/PE—Stub off first—400'	C5868-400-995
172911	96F 8-MPO12 to 8-MPO12 8.7mm SM MD Method A OFNP w/PE—Stub off first—600'	C5868-600-995
172912	96F 8-MPO12 to 8-MPO12 8.7mm SM MD Method A OFNP w/PE—Stub off first—800'	C5868-800-995
172913	96F 8-MPO12 to 8-MPO12 8.7mm SM MD Method A OFNP w/PE—Stub off first—1000'	C5868-305-MT-995

MPO Cable Assemblies (continued)

CIFA	Description	Part Number
12 Fiber MPO to Stub Assemblies		
172914	12F MPO-F to STUB 3.8mm SM MD Method A OFNP w/PE—Stub off first—100'	C5833-100-995
172915	12F MPO-F to STUB 3.8mm SM MD Method A OFNP w/PE—Stub off first—200'	C5833-200-995
172916	12F MPO-F to STUB 3.8mm SM MD Method A OFNP w/PE—Stub off first—400'	C5833-400-995
172917	12F MPO-F to STUB 3.8mm SM MD Method A OFNP w/PE—Stub off first—600'	C5833-600-995
172918	12F MPO-F to STUB 3.8mm SM MD Method A OFNP w/PE—Stub off first—800'	C5833-800-995
172919	12F MPO-F to STUB 3.8mm SM MD Method A OFNP w/PE—Stub off first—1000'	C5383-305-MT-995
24 Fiber MPO to Stub Assemblies		
172920	24F 2-MPO12F to STUB 6.4mm SM MD Method A OFNP w/PE—Stub off first—100'	C5834-100-995
172921	24F 2-MPO12F to STUB 6.4mm SM MD Method A OFNP w/PE—Stub off first—200'	C5834-200-995
172922	24F 2-MPO12F to STUB 6.4mm SM MD Method A OFNP w/PE—Stub off first—400'	C5834-400-995
172923	24F 2-MPO12F to STUB 6.4mm SM MD Method A OFNP w/PE—Stub off first—600'	C5834-600-995
172924	24F 2-MPO12F to STUB 6.4mm SM MD Method A OFNP w/PE—Stub off first—800'	C5834-800-995
172925	24F 2-MPO12F to STUB 6.4mm SM MD Method A OFNP w/PE—Stub off first—1000'	C5384-305-MT-995
48 Fiber MPO to Stub Assemblies		
172926	48F 4-MPO12F to STUB 6.4mm SM MD Method A OFNP w/PE—Stub off first—100'	C5835-100-995
172927	48F 4-MPO12F to STUB 6.4mm SM MD Method A OFNP w/PE—Stub off first—200'	C5835-200-995
172928	48F 4-MPO12F to STUB 6.4mm SM MD Method A OFNP w/PE—Stub off first—400'	C5835-400-995
172929	48F 4-MPO12F to STUB 6.4mm SM MD Method A OFNP w/PE—Stub off first—600'	C5835-600-995
172930	48F 4-MPO12F to STUB 6.4mm SM MD Method A OFNP w/PE—Stub off first—800'	C5835-800-995
172931	48F 4-MPO12F to STUB 6.4mm SM MD Method A OFNP w/PE—Stub off first—1000'	C5385-305-MT-995
96 Fiber MPO to Stub Assemblies		
172932	96F 8-MPO12F to STUB 8.7mm SM MD Method A OFNP w/PE—Stub off first—100'	C5867-100-995
172933	96F 8-MPO12F to STUB 8.7mm SM MD Method A OFNP w/PE—Stub off first—200'	C5867-200-995
172934	96F 8-MPO12F to STUB 8.7mm SM MD Method A OFNP w/PE—Stub off first—400'	C5867-400-995
172935	96F 8-MPO12F to STUB 8.7mm SM MD Method A OFNP w/PE—Stub off first—600'	C5867-600-995
172936	96F 8-MPO12F to STUB 8.7mm SM MD Method A OFNP w/PE—Stub off first—800'	C5867-800-995
172937	96F 8-MPO12F to STUB 8.7mm SM MD Method A OFNP w/PE—Stub off first—1000'	C5867-305-MT-995

Infill / Intermediate Distribution Frame (IDF) Solution Accessories

- Microduct Manifold to organize and secure microduct tubes
 - Two versions: 8.5/10mm and 12.7mm Tubes
 - Innovative, stackable plate system with fiber cover protection
- Slack Storage Unit to protect and store fiber slack
 - Grommets on all four sides of unit with alternate cover mounting options
- Both are designed to seamlessly interface with FDE and FD3 Enclosures



Microduct Manifold with FDE



Manifold without Cover

Microduct Manifold with Slack Storage & FSB

CIFA	Description	Part Number
Microduct Manifolds		
89927	Microtube Manifold Kit for 24 Microtubes—8.5/10mm Tubes	ACC1024757
89179	Microtube Manifold Kit for 72 Microtubes—8.5/10mm Tubes	ACC1024758
89780	Microtube Manifold Kit for 24 Microtubes—12.7mm Tubes	ACC1025443
89781	Microtube Manifold Kit for 72 Microtubes—12.7mm Tubes	ACC1025444
Slack Storage Unit		
89779	Slack Storage Box with 8 Rubber Port Seals	FSB1025413

Product Installation Training Videos for Infill/IDF:

- Infill/IDF for Spliced Riser Cable:
<https://www.youtube.com/watch?v=jzGRfvLxFPcl>
- Infill/IDF for MPO Riser Cable:
<https://www.youtube.com/watch?v=YkpdYZzxMyI>

Multi-Tenant Gateway (MTG) Solutions

- Rack/Cabinet Solutions
- Fiber Distribution Chassis Connectivity
 - C2X: Patch/Splice/MPO Configurations
 - 24F-432F, LC/APC Termination Capability
 - Modular Configuration based on requirements
- DWDM Mux Connectivity
 - Mini-LGX Bracket, 1RU
 - Mini-LGX Cassette Capacity = 3
 - Mini-LGX Shelf, 4RU
 - Mini-LGX Cassette Capacity = 13



Multi-Tenant Gateway (MTG) Solutions

4RU High Density Shelf—Mux Shelf Option

The 4RU High Density Shelf offers unparalleled capacity in a variety of headend, hub, or data center applications.

This shelf takes advantage of the industry-leading density of Amphenol cassettes to pack greater fiber capacity into a 4RU space. Because the depth of the Mini-LGX® is less than half that of traditional industry devices, the shelf may be populated on both the front and rear sides, increasing the density of the shelf.

Finally, because the shelf utilizes industry-standard LGX dimensioning, it provides a "future proof" product deployment path by providing a migration from existing standard-density LGX modules to the high-density Mini-LGX cassette.



4RU High Density Shelf

Features:

- Capacity of 26 Mini-LGX cassettes, 13 Standard LGX cassettes, or 48 half width LGX cassettes
- Front & rear cassette mounting using the Mini-LGX cassette, or half width LGX cassette
- Standard LGX profile
- 4RU height
- Quick release removable door panels with a spring latch
- Adjustable mounting positions for both 23" and 19" racks
- Mounting brackets and hardware included
- Upper and lower fiber routing management; front and rear
- Door labels for fiber assignments, front and rear
- Allows 6-pack panel installation alongside cassettes

Specifications	
Rack Utilization	4RU
Height	6.9"
Width	17.3"
Depth	13.5"
Material	Powder Coated Aluminum—Black

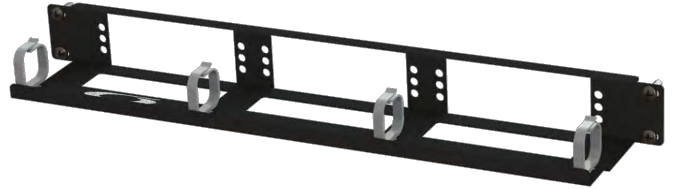
CIFA	Description	Part Number
173020	4RU Shelf, Gen 4, LGX 26 Position	1027414

Multi-Tenant Gateway (MTG) Solutions

1RU High Density Premises Bracket—Mux Shelf Option

Amphenol is pleased to offer this High Density Bracket, ideal for use in customer premises applications where multiple fiber and/or wavelength based services maybe offered.

Because the bracket utilizes industry-standard LGX® dimensioning, it provides a "future proof" product deployment path by providing mounting options for standard-density LGX modules.



1RU High Density Bracket

Features:

- Capacity of 3 LGX modules
- Flush mount faceplate with 3.5" shelf extension
- Compact 1RU height
- Integrated mounting brackets with hardware included
- Generous fiber routing rings provide controlled jumper management

Specifications	
Rack Utilization	1RU
Height	1.75"
Width	19"
Depth	3.9"
Material	Powder Coated Aluminum - Black

CIFA	Description	Part Number
173021	High Density 1RU Premises Rack	ASBHDS1022744

LGX® is a registered trademark of OFS FITEL, LLC

Multi-Tenant Gateway (MTG) Solutions

C2X Fiber Distribution Chassis



C2X 2RU



C2X 4RU

Features:

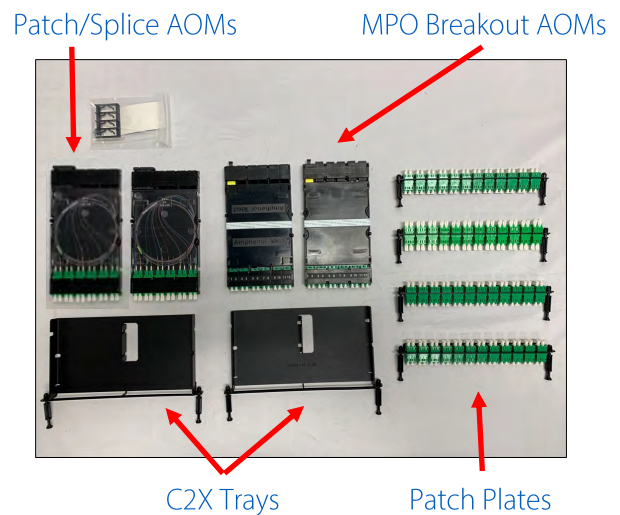
- Mountable in 19" or 23" racks or cabinets
- Capable of deploying all LC or all MPO, up to 3.0 fiber and long boot adapters
- Fully removable front fiber management bezel
- Available in 2RU and 4RU chassis options
- Clamping options available for IFC/OSP fiber
- Mix and match any AOMs based on application

CIFA	Part Number	Height	Single Module Capacity	Wavelength Capacity	Dimensions (H x W x D)
172995	C2X-02U	2RU	8		3.50" x 18.98" x 13.75" (Depth is 18.50" when front fiber management bezel is added)
172997	C2X-04U	4RU	16		7.00" x 18.98" x 13.75" (Depth is 18.50" when front fiber management bezel is added)

Recommended Configuration



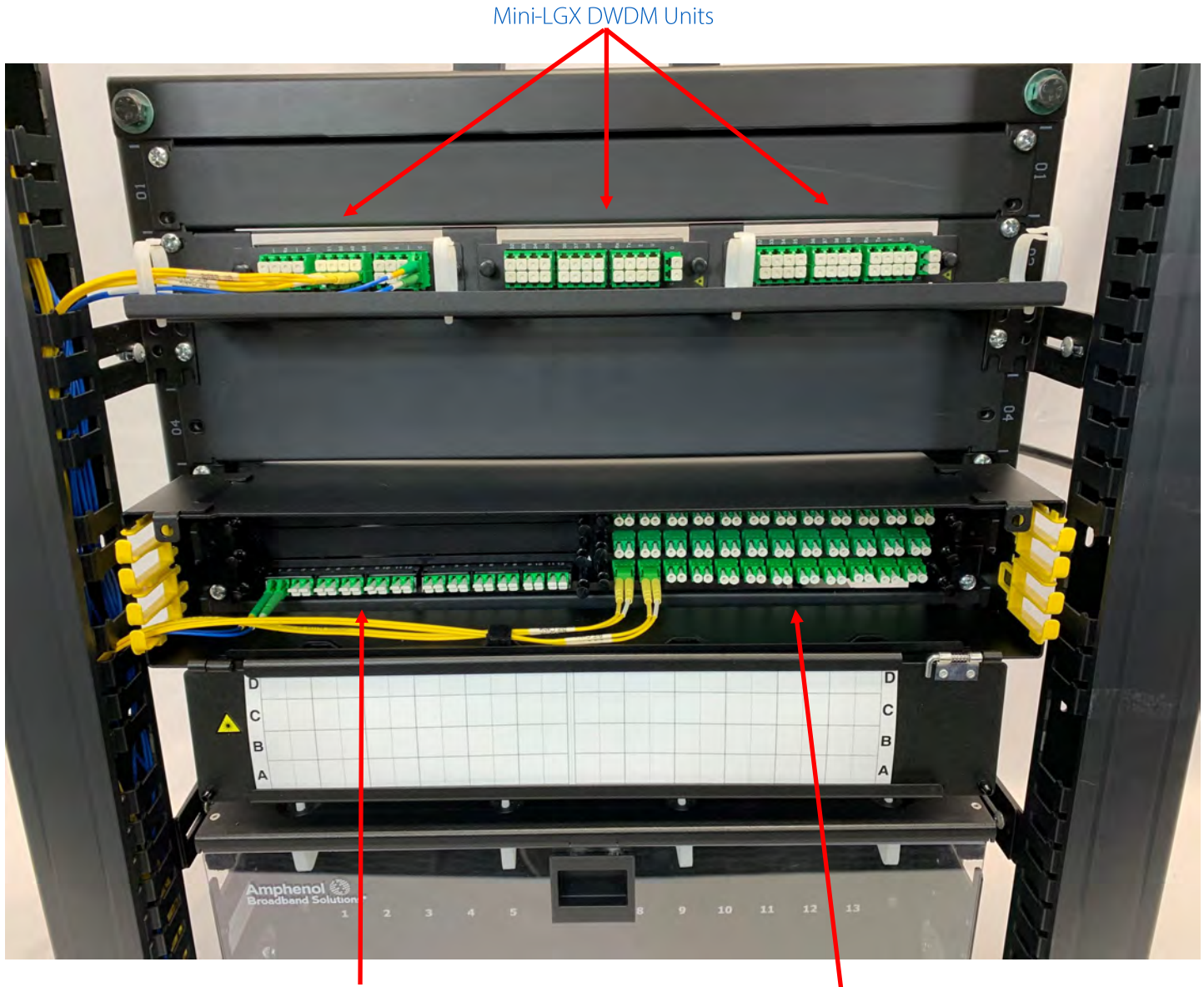
C2X 2RU



C2X Components

CIFA	Description	Part Number
172998	C2X Tray Empty: Compatible with Single or Dual C2 Module	C2X-TRAY
172999	AOM, MPO: SM 12F MPO, LC/APC, 12-Port, Method A Polarity, Ultra Low Loss	HX-ML-12LCAA
173002	AOM, Patch & Splice: SM, 12F, LC/APC, 250um, Stranded Pigtail	HX-SC-12LCSA-S
173004	C2X Patch Plate LC/APC Singlemode Green Adapter 24 Port	C2X-PLT-024NS
301446	Clamp Kit C2 Saddle for Jumper Cables (Bundle O.D. .12"-.75") 4 per kit	KIT-CLMP-C2
301447	Clamp Assembly C2X, Hardware Bracket, for cable OD = 0.4—1.25"	C2X-CLAMP

Multi-Tenant Gateway (MTG) Solutions

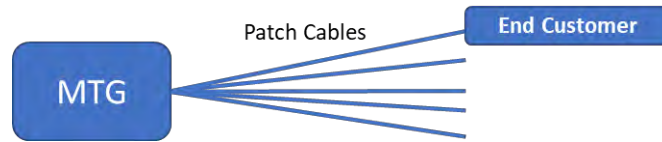


Mini-LGX DWDM Units

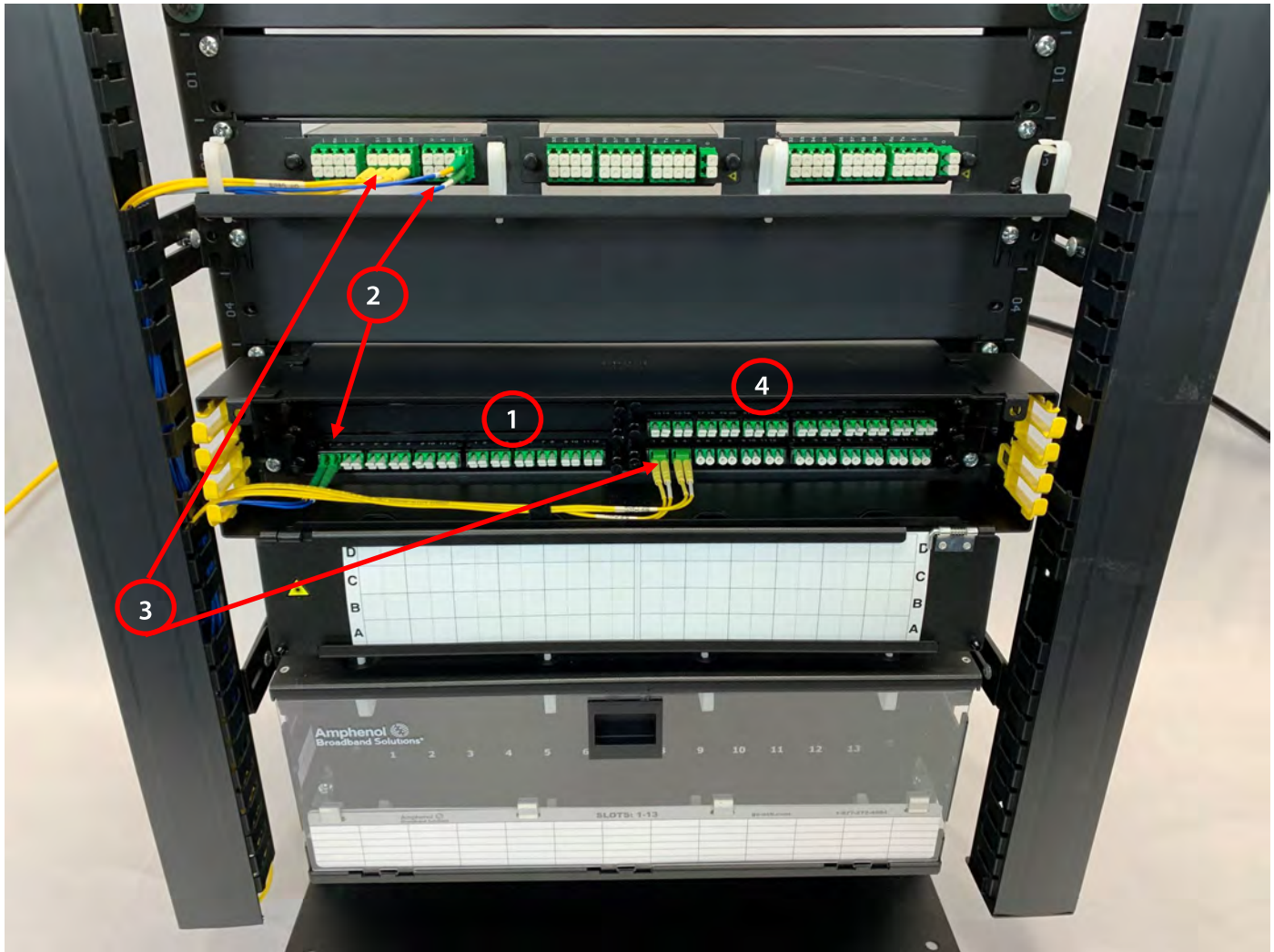
12f LC/APC Patch/Splice AOMs

C2X 2RU Chassis

Multi-Tenant Gateway (MTG) Solutions



MTG Direct Patch Application

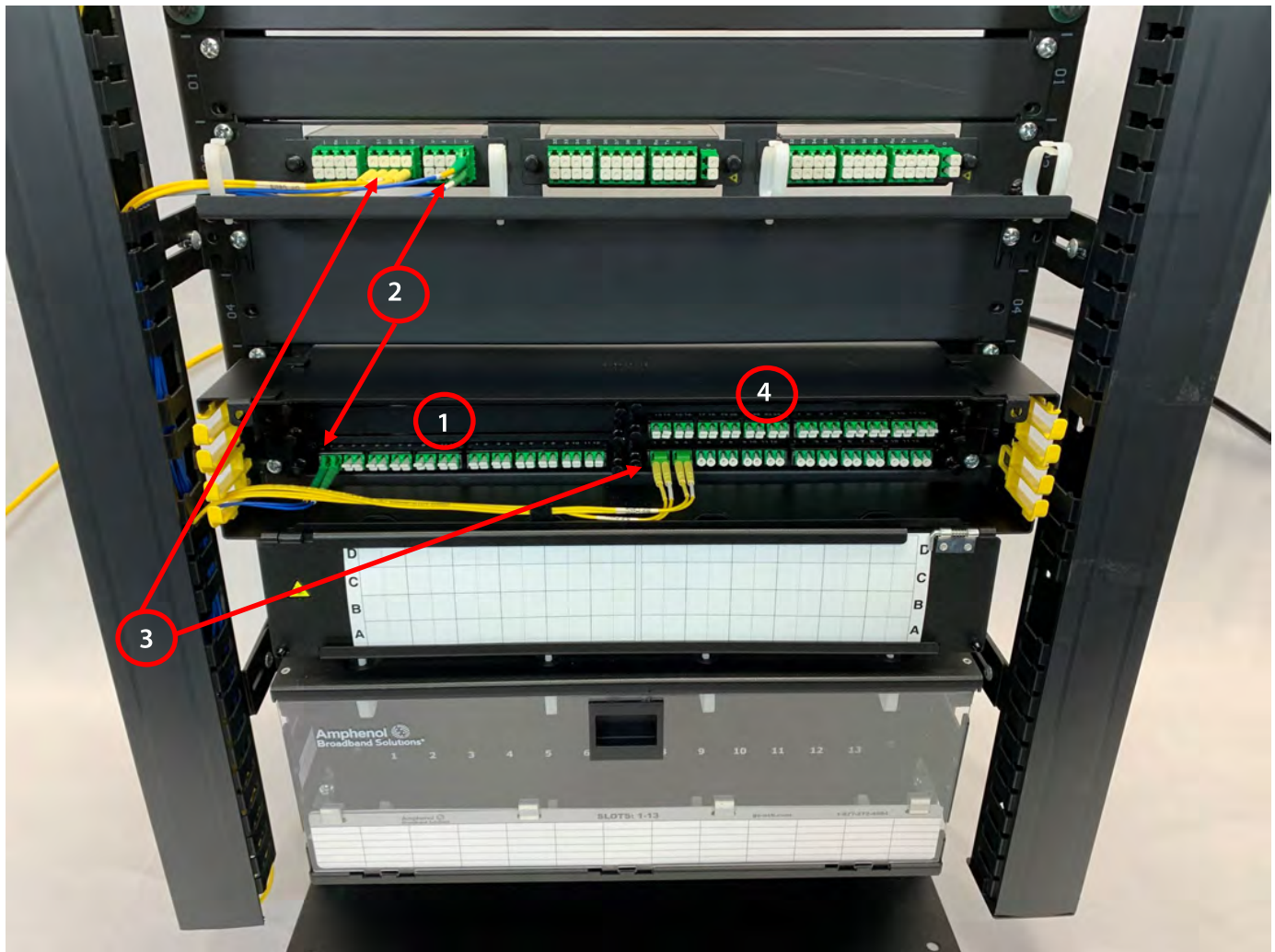


1. OSP/ROW Cable spliced into rear of 12F Patch/Splice LC/APC AOM
2. Patch from front of Patch/Splice AOM to Mux Common 'COM' Port
3. Patch from Mux Channel Outputs to 5160 or Patch Plate Field
4. Rear of Patch Plate Field directly to SFU/SBU

Multi-Tenant Gateway (MTG) Solutions



MTG with MPO Riser Cable Application

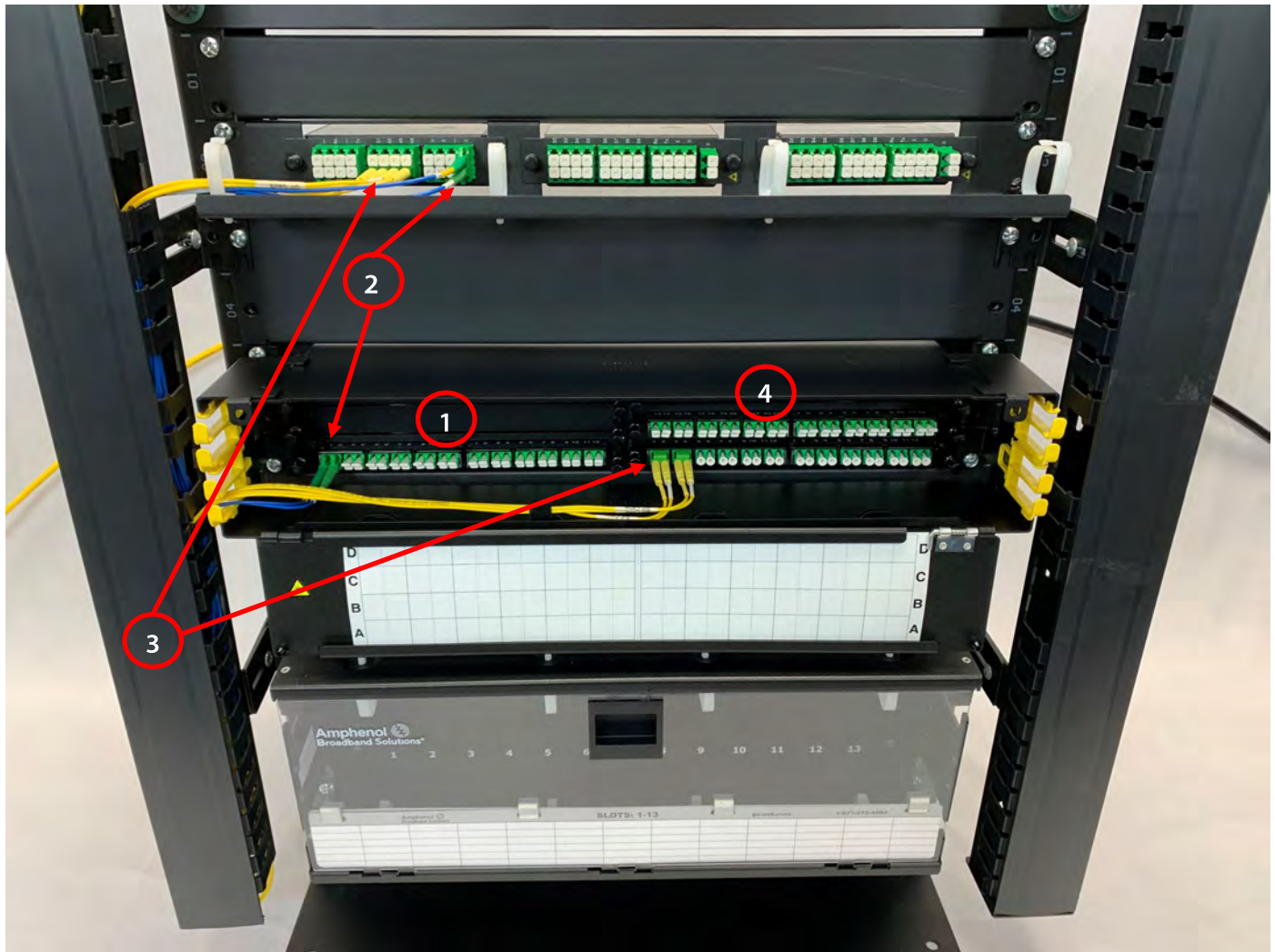


1. OSP/ROW Cable spliced into rear of 12F Patch/Splice LC/APC AOM
2. Patch from front of Patch/Splice AOM to Mux Common 'COM' Port
3. Patch from Mux Channel Outputs to LC/APC side of MPO Breakout AOM
4. Rear of MPO Breakout AOM to Infill

Multi-Tenant Gateway (MTG) Solutions



MTG with Spliced Riser Cable Application



1. OSP/ROW Cable spliced into rear of 12F Patch/Splice LC/APC AOM
2. Patch from front of Patch/Splice AOM to Mux Common 'COM' Port
3. Patch from Mux Channel Outputs to Patch/Splice AOM
4. Rear of Patch/Splice AOM to Infill

Multi-Tenant Gateway (MTG) Solutions



MTG Spliced Riser Cable—Rear View



MTG MPO Riser Cable—Rear View



MTG Direct Patch—Rear View

Product Installation Training Videos for MTG:

- MTG for MPO Riser Cable:
<https://www.youtube.com/watch?v=X9LwEah4Bh8>
- MTG for Patching:
<https://www.youtube.com/watch?v=Gv502YaMyzw>
- MTG for Spliced Riser Cable:
<https://www.youtube.com/watch?v=EN72Vo1CFEE>

Contact your local ABS representative for more information - [Click here](#).