**EDGE8® Solutions Introduction**

Corning® ClearCurve® bend-optimized multimode and Corning® SMF-28® single-mode optical fibers are the core elements of the system, ensuring reliability when designing custom-engineered components thanks to its significant reduction in macrobend loss even in the most challenging bend scenarios. This technology enables Corning to provide significantly greater density across the range combined with a simple design and integration for LAN and SAN areas within the data center, while the preterminated components reduce installation times and enable faster moves, adds, and changes (MACs).

Our EDGE® solutions were the industry’s first preterminated optical cabling systems specifically designed for the data center environment, and the value that EDGE provides to the industry continues to be proven. Density, network uptime, speed, simplicity, and a clear migration path to meet future requirements ... EDGE addresses it all. However, switch and transceiver technology road maps clearly indicate that transmission speeds ranging from 1G to 400G will be based on either 2-fiber (Base-2) or 8-fiber (Base-8) connectivity solutions.

That’s the motivation behind EDGE8® solutions. All of the value of our original EDGE solutions, with the added superior network scalability, improved link performance, and 100% fiber utilization of a Base-8 design.

EDGE8 solutions strengthen your data center in three key areas:

- increased asset utilization with reduced jumper complexity and the elimination of stranded cabling assets
- technology adoption due to 100% fiber utilization — without the need for conversion modules — improving the link performance while reducing costs
- risk avoidance, providing a simple and clear path to 40G, 100G, and 400G

All EDGE8 solutions products, with the exception of tap modules, are manufactured with Corning® CleanAdvantage® technology, a new cleaning process implemented at the factory that uses residue-free cleaning fluids. Corning’s proprietary nozzle design enables a focused and directed spray to the end face, virtually cleaning the entire ferrule. All CleanAdvantage products are also shipped with an optimized dust cap engineered to maintain the end face cleanliness until the first mating connection. CleanAdvantage technology eliminates the need for scoping and cleaning prior to the initial field connection, reducing installation time and cost.
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EDGE8® Solutions Overview

EDGE8® solutions are Base-8, high-density preterminated optical cabling solutions offering the most future-ready solution to support 40G, 100G, and 400G transmission requirements. With all the benefits of the Corning EDGE™ solution, EDGE8 offers superior network scalability and improved link performance.

**Features and Benefits**

**8-fiber MTP® connectors**
Base-8 configuration allows for seamless migration to data rates of 40 and above.

**Removeable covers on the 1U and 2U housings**
Provides easier access to modules and panels.

**EDGE™ reverse polarity uniboot jumpers**
Enables quick and easy polarity management.

**Improved mounting brackets**
Allows for one-person installation and depth adjustment in the rack.

**Bracket option for 23-in racks**
Offers the ultimate design flexibility.

**Strap-in strain-relief clips**
Provides easier cable management.

**MTP PRO connectors on harnesses and jumpers**
Allows for pinning and polarity changes in the field.

**MTP assemblies with reduced footprint and cable OD**
Reduces congestion in high-connectivity environment.

**Corning® ClearCurve® fiber creates smaller form-factor components for more rugged cabling**
Improves airflow and reduces risk of downtime due to pinched or bent cables.

**Corning® CleanAdvantage™ technology and optimized dust cap**
Eliminates the need for scoping and cleaning prior to initial field connection.

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**Connected Mated Pair – Ultra Low Loss**

<table>
<thead>
<tr>
<th></th>
<th>Insertion Loss, Maximum</th>
<th>OS2</th>
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<tbody>
<tr>
<td>LC Connector</td>
<td>0.10 dB</td>
<td>0.25 dB</td>
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<tr>
<td>MTP Connector</td>
<td>0.25 dB</td>
<td>0.35 dB</td>
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</table>

*All MTP on trunks are manufactured to meet ultra-low-loss values*

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**Modules/Harnesses – Ultra Low Loss**

<table>
<thead>
<tr>
<th></th>
<th>Insertion Loss, Maximum</th>
<th>OS2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component Value</td>
<td>0.35 dB</td>
<td>0.6 dB</td>
</tr>
</tbody>
</table>
EDGE8® HD Housings

EDGE8® HD housings mount in 19-in racks or cabinets and provide industry-leading ultra-high-density connectivity when combined with EDGE8 modules, panels, harnesses, trunks, and jumpers.

The unique design of EDGE8 HD housings includes sliding drawers enabling module or panel installation from the front or rear of the housing. Each sliding drawer contains integrated cable routing elements to make real structured jumper management possible while providing unprecedented finger access without the need for tools or any other accessories. All EDGE8 HD housings come with additional side-routing guides for jumper integration to the cabinet. The adjustable mounting brackets provide flexible installation options for back-to-back or flush-mounting requirements, and the quick-mount feature makes it quick and easy for one person to install the housing with little effort.

The mounting and removal of trunks is a simple, quick, and tool-less operation enabling rapid deployment of high-fiber-count trunks for faster moves, adds, and changes (MACs).

Labeling the housing couldn't be easier with a full-size mounting area on the inside of the front door for the display of clear and concise information. The easily installable trunk mounting plate provides flexibility depending on your design (e.g., back-to-back) or application (e.g., reduced depth) concept.
EDGE8® Solutions Housing

Features and Benefits

6-slot sliding drawers
Allow unprecedented finger access, easier jumper/harness routing, and port identification.

Quick mounting system
Enables one-person installation and depth adjustment of the housing in the rack.

Integrated strain-relief plate can rotate 90 degrees
Makes it possible to install trunks through side or rear cable-entry points.

Removable top covers on the 1U and 2U housings
Provides easier access to modules and panels.

Total flexibility in the same HD housing
- Accepts EDGE8® modules
- Accepts EDGE8 port breakout modules
- Accepts EDGE8 1x, 2x, and 4x MTP® adapter panels
- Accepts EDGE8 port tap modules

High-port concentration with LC duplex and MTP Base-8 system
- 1U EDGE8 Housing EDGE8-01U
  48x LC duplex ports (96 fiber)
  48x MTP ports (384 fiber)
- 1U EDGE8 Housing EDGE8-01U-SP
  72x LC duplex ports (144 fiber)
  72x MTP ports (576 fiber)
- 2U EDGE8 Housing EDGE8-02U
  144x LC duplex ports (288 fiber)
  144x MTP ports (1152 fiber)
- 4U EDGE8 Housing EDGE8-04U
  288x LC duplex ports (576 fiber)
  288x MTP ports (2304 fiber)

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Height</th>
<th>Dimensions (W x D x H)</th>
<th>Packaging Dimensions (W x D x H)</th>
<th>Shipping Weight</th>
<th>Number of Panels per Housing</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDGE8-01U</td>
<td>1U</td>
<td>432 mm x 561 mm x 44 mm</td>
<td>584 mm x 673 mm x 191 mm</td>
<td>6.8 kg (15 lb)</td>
<td>12</td>
</tr>
<tr>
<td>EDGE8-01U-SP</td>
<td>1U</td>
<td>432 mm x 561 mm x 44 mm</td>
<td>581 mm x 667 mm x 197 mm</td>
<td>8.2 kg (18 lb)</td>
<td>18</td>
</tr>
<tr>
<td>EDGE8-02U</td>
<td>2U</td>
<td>432 mm x 561 mm x 88 mm</td>
<td>578 mm x 667 mm x 241 mm</td>
<td>10.4 kg (23 lb)</td>
<td>36</td>
</tr>
<tr>
<td>EDGE8-04U</td>
<td>4U</td>
<td>432 mm x 561 mm x 177 mm</td>
<td>578 mm x 667 mm x 327 mm</td>
<td>16.5 kg (36 lb)</td>
<td>72</td>
</tr>
</tbody>
</table>

Notes:

- When rear strain-relief plate is removed from part number EDGE8-01U-SP, product depth reduces to 14.9 in.
- EDGE-01U has sliding inner assembly. EDGE-01U-SP does not have sliding inner assembly.
EDGE8® FX Housings

EDGE8® FX housings mount in 19-in racks or cabinets and provide industry-leading high-density connectivity when combined with EDGE8 modules, panels, harnesses, trunks, and patch cables.

EDGE8 FX housings include a fixed, compact design providing module or panel deployment from the front or rear of the housing. The integrated cable routing elements of the housing make real structured patch cable management possible while providing unprecedented finger access without the need for tools or any other accessories.

All EDGE8 FX housings come with integrated side routing guides for patch cable integration to the cabinet. The adjustable mounting brackets provide flexible installation options for back-to-back or flush-mounting requirements. The new quick-mount feature makes it quick and easy for one person to install the housing with little effort.

The mounting and removal of trunks is a simple, quick, and tool-less operation enabling rapid deployment of high-fiber-count trunks for faster moves, adds, and changes (MACs).

Labeling the housing couldn’t be simpler – there is a full-size mounting area on the inside of the front door for clear and concise information to be displayed. The easily installable trunk-mounting plate provides flexibility depending on your design (e.g., back-to-back) or application (e.g., reduced depth) concept.

![EDGE8-04U-FP Housing](Photo REN1579)
EDGE8® FX Housing

EDGE8® FX housings are available in 1U, 2U, and 4U sizes that mount in 19-in racks or cabinets as well as two other housings that can mount in the floor. Combine these housings with the EDGE® modules, panels, trunks, harnesses, and jumpers to experience an industry-leading solution. The reduced depth of the rack-mount housings allows for the back-to-back installation in 4-post racks or cabinets as well as third-party floor boxes.

### Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Height</th>
<th>Dimensions (W x D x H)</th>
<th>Packaging Dimensions (W x D x H)</th>
<th>Shipping Weight</th>
<th>Number of Panels per Housing</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDGE8-01U-EMOD</td>
<td>1U</td>
<td>432 mm x 107 mm x 44.5 mm (17 in x 4.2 in x 1.75 in)</td>
<td>534 mm x 201 mm x 138 mm (21 in x 7.9 in x 5.4 in)</td>
<td>1.14 kg (2.5 lb)</td>
<td>12</td>
</tr>
<tr>
<td>EDGE8-01U-EMOD-SP</td>
<td>1U</td>
<td>433 mm x 107 mm x 44.5 mm (17 in x 4.2 in x 1.75 in)</td>
<td>535 mm x 201 mm x 138 mm (21 in x 7.9 in x 5.4 in)</td>
<td>1.28 kg (2.8 lb)</td>
<td>18</td>
</tr>
<tr>
<td>EDGE8-01U-FP</td>
<td>1U</td>
<td>488 mm x 439 mm x 43 mm (19.2 in x 17.3 in x 1.7 in)</td>
<td>584 mm x 470 mm x 152 mm (22.9 in x 18.5 in x 5.9 in)</td>
<td>4.4 kg (9.6 lb)</td>
<td>12</td>
</tr>
<tr>
<td>EDGE8-02U-FP</td>
<td>2U</td>
<td>432 mm x 434 mm x 89 mm (17 in x 17.1 in x 3.5 in)</td>
<td>568 mm x 346 mm x 229 mm (22.4 in x 13.6 in x 9 in)</td>
<td>6.4 kg (14 lb)</td>
<td>24</td>
</tr>
<tr>
<td>EDGE8-04U-FP</td>
<td>4U</td>
<td>432 mm x 434 mm x 178 mm (17 in x 17.1 in x 7 in)</td>
<td>567 mm x 346 mm x 320 mm (22.4 in x 13.6 in x 7.25 in)</td>
<td>9.6 kg (21 lb)</td>
<td>48</td>
</tr>
<tr>
<td>EDGE8-FZB-04U</td>
<td>-</td>
<td>527 mm x 527 mm x 241 mm (20.75 in x 20.75 in x 9.5 in)</td>
<td>656 mm x 643 mm x 356 mm (25.8 in x 25.3 in x 14 in)</td>
<td>17.8 kg (39 lb)</td>
<td>48</td>
</tr>
<tr>
<td>EDGE8-SMH</td>
<td>-</td>
<td>152 mm x 102 mm x 25 mm (6 in x 4 in x 1 in)</td>
<td>229 mm x 184 mm x 57 mm (9 in x 7.25 in x 2.25 in)</td>
<td>1 kg (3 lb)</td>
<td>1</td>
</tr>
</tbody>
</table>

When rear strain-relief plate is removed, the depth reduces to 8.5-in for products EDGE-01U-FP/EDGE-02U-FP/EDGE-04U-FP. See hardware accessories for alternate strain-relief options.
EDGE8® MTP® Trunks

EDGE8® MTP® trunks are preterminated cables with ultra-low-loss 8-fiber MTP connectors. Available in MTP-to-MTP or MTP-to-LC configurations, these trunks provide the backbone of the passive network infrastructure and enable rapid deployment for your campus LAN or data center facility. All trunks are manufactured with Corning® CleanAdvantage™ technology and shipped with strain-relief clips, allowing for easy-and-quick tool-less installation in both EDGE8 solutions and Plug & Play™ systems housings.

Features and Benefits

Snap-in strain-relief clips
Provides easier cable management.

Pinned MTPs on both ends
Allows for a single pinless jumper deployment in parallel optic electronics deployments.

Small outer diameter
Improves cable tray fill ratio and allows for improved airflow.

Low-loss connectivity
Enables system design flexibility.

Bend-improved fiber
Allows tighter cable bends for slack storage and routing, less risk of downtime due to pinched or bent cables.

Corning CleanAdvantage technology and optimized dust cap
Eliminates the need for scoping and cleaning prior to initial field connection.

Mechanical Characteristics

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Nominal Outer Diameter</th>
<th>Pulling Grip Outer Diameter</th>
<th>Weight</th>
<th>Minimum Bend Radius (Installation - 15x OD)</th>
<th>Minimum Bend Radius (Operation - 5x OD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Armored Cable Specifications</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>5.0 mm (± 0.3 mm)</td>
<td>38 mm (1.5 in)</td>
<td>23.5 kg/km (15.8 lb/1,000)</td>
<td>75 mm (2.95 in)</td>
<td>25 mm (0.98 in)</td>
</tr>
<tr>
<td>16</td>
<td>7.0 mm (± 0.3 mm)</td>
<td>38 mm (1.5 in)</td>
<td>41.1 kg/km (27.6 lb/1,000)</td>
<td>105 mm (4.13 in)</td>
<td>35 mm (1.38 in)</td>
</tr>
<tr>
<td>24</td>
<td>7.0 mm (± 0.3 mm)</td>
<td>38 mm (1.5 in)</td>
<td>42.1 kg/km (28.3 lb/1,000)</td>
<td>105 mm (4.13 in)</td>
<td>35 mm (1.38 in)</td>
</tr>
<tr>
<td>32</td>
<td>8.1 mm (± 0.3 mm)</td>
<td>51 mm (2.0 in)</td>
<td>56.1 kg/km (38.7 lb/1,000)</td>
<td>121.5 mm (4.78 in)</td>
<td>40.5 mm (1.59 in)</td>
</tr>
<tr>
<td>48</td>
<td>8.1 mm (± 0.3 mm)</td>
<td>51 mm (2.0 in)</td>
<td>57.6 kg/km (38.7 lb/1,000)</td>
<td>121.5 mm (4.78 in)</td>
<td>40.5 mm (1.59 in)</td>
</tr>
<tr>
<td>72</td>
<td>10.2 mm (± 0.3 mm)</td>
<td>51 mm (2.0 in)</td>
<td>86.1 kg/km (57.9 lb/1,000)</td>
<td>153 mm (6.02 in)</td>
<td>51 mm (2.01 in)</td>
</tr>
<tr>
<td>96</td>
<td>10.2 mm (± 0.3 mm)</td>
<td>51 mm (2.0 in)</td>
<td>88.4 kg/km (59.4 lb/1,000)</td>
<td>153 mm (6.02 in)</td>
<td>51 mm (2.01 in)</td>
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<td>144</td>
<td>12.5 mm (± 0.3 mm)</td>
<td>51 mm (2.0 in)</td>
<td>139.4 kg/km (93.7 lb/1,000)</td>
<td>187.5 mm (7.38 in)</td>
<td>62.5 mm (2.46 in)</td>
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<tr>
<td>192</td>
<td>16.0 mm (± 0.3 mm)</td>
<td>47 mm (1.85 in)</td>
<td>232.6 kg/km (156.3 lb/1,000)</td>
<td>240.0 mm (9.45 in)</td>
<td>80 mm (3.15 in)</td>
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<tr>
<td>288</td>
<td>22.9 mm (± 0.3 mm)</td>
<td>47 mm (1.85 in)</td>
<td>393.0 kg/km (264.1 lb/1,000)</td>
<td>343.5 mm (13.52 in)</td>
<td>114.5 mm (4.51 in)</td>
</tr>
</tbody>
</table>

Note: Plug size information: Fiber count 8-24 = Size 1 (h = 15 mm); Fiber count 32-144 = Size 2 (h = 20 mm).
### Trunk Specifications

#### Mechanical Characteristics

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Nominal Outer Diameter</th>
<th>Pulling Grip Outer Diameter</th>
<th>Weight</th>
<th>Minimum Bend Radius (Installation - 15x OD)</th>
<th>Minimum Bend Radius (Operation - 5x OD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>11.3 mm (± 0.3 mm)</td>
<td>51 mm (2.0 in)</td>
<td>102.6 kg/km (68.9 lb/1000)</td>
<td>169.5 mm (6.67 in)</td>
<td>56.5 mm (2.22 in)</td>
</tr>
<tr>
<td>16</td>
<td>12.6 mm (± 0.3 mm)</td>
<td>51 mm (2.0 in)</td>
<td>130.9 kg/km (88.0 lb/1000)</td>
<td>189 mm (7.44 in)</td>
<td>63 mm (2.48 in)</td>
</tr>
<tr>
<td>24</td>
<td>12.6 mm (± 0.3 mm)</td>
<td>51 mm (2.0 in)</td>
<td>131.6 kg/km (88.4 lb/1000)</td>
<td>189 mm (7.44 in)</td>
<td>63 mm (2.48 in)</td>
</tr>
<tr>
<td>32</td>
<td>13.7 mm (± 0.3 mm)</td>
<td>51 mm (2.0 in)</td>
<td>154.4 kg/km (103.7 lb/1000)</td>
<td>205.5 mm (8.09 in)</td>
<td>68.5 mm (2.7 in)</td>
</tr>
<tr>
<td>48</td>
<td>13.7 mm (± 0.3 mm)</td>
<td>51 mm (2.0 in)</td>
<td>155.9 kg/km (104.7 lb/1000)</td>
<td>205.5 mm (8.09 in)</td>
<td>68.5 mm (2.7 in)</td>
</tr>
<tr>
<td>72</td>
<td>16.6 mm (± 0.3 mm)</td>
<td>51 mm (2.0 in)</td>
<td>207.7 kg/km (139.6 lb/1000)</td>
<td>249 mm (9.8 in)</td>
<td>83 mm (3.27 in)</td>
</tr>
<tr>
<td>96</td>
<td>16.6 mm (± 0.3 mm)</td>
<td>51 mm (2.0 in)</td>
<td>210 kg/km (141.1 lb/1000)</td>
<td>249 mm (9.8 in)</td>
<td>83 mm (3.27 in)</td>
</tr>
<tr>
<td>144</td>
<td>18.8 mm (± 0.3 mm)</td>
<td>51 mm (2.0 in)</td>
<td>278.6 kg/km (187.2 lb/1000)</td>
<td>282 mm (11.1 in)</td>
<td>94 mm (3.7 in)</td>
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<tr>
<td>192</td>
<td>23.7 mm (± 0.3 mm)</td>
<td>51 mm (2.0 in)</td>
<td>421.4 kg/km (283.1 lb/1000)</td>
<td>355.5 mm (14.0 in)</td>
<td>118.5 mm (4.67 in)</td>
</tr>
<tr>
<td>288</td>
<td>31.3 mm (± 0.3 mm)</td>
<td>76 mm (3.0 in)</td>
<td>646.6 kg/km (434.5 lb/1000)</td>
<td>469.5 mm (18.48 in)</td>
<td>156.5 mm (6.16 in)</td>
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</tbody>
</table>

Note: Plug size information: Fiber count 8-24 = Size 1 (h = 15 mm); Fiber count 32-144 = Size 2 (h = 20 mm).

#### Optical Performance Multimode

<table>
<thead>
<tr>
<th>Connector Polish</th>
<th>End Face</th>
<th>Reflectance</th>
<th>Maximum Insertion Loss</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTP® Trunks</td>
<td>PC</td>
<td>Flat</td>
<td>≤ -20 dB</td>
<td>≤ 0.25 dB*</td>
</tr>
</tbody>
</table>

#### Optical Performance Single-Mode

<table>
<thead>
<tr>
<th>Connector Polish</th>
<th>End Face</th>
<th>Reflectance</th>
<th>Maximum Insertion Loss</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTP Trunks</td>
<td>APC</td>
<td>Angled</td>
<td>≤ -65 dB</td>
<td>≤ 0.35 dB*</td>
</tr>
</tbody>
</table>
## Trunk Shipping Information

### Reel Capacities – Non-Armored Cable Specifications

<table>
<thead>
<tr>
<th>Packaging Method</th>
<th>Box E</th>
<th>Box H</th>
<th>Reel 1</th>
<th>Reel 2</th>
<th>Reel 3</th>
<th>Reel 4</th>
<th>Reel 5</th>
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<tbody>
<tr>
<td>Packaging Material</td>
<td>Coiled Cable</td>
<td>Coiled Cable</td>
<td>Corrugated Plastic Reel</td>
<td>Corrugated Plastic Reel</td>
<td>Corrugated Plastic Reel</td>
<td>Solid Plastic Reel</td>
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<td>Reel Diameter (in)</td>
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<td>19.5</td>
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<tr>
<td>Reed Width (in)</td>
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<tr>
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<table>
<thead>
<tr>
<th>Fiber Count</th>
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<tbody>
<tr>
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<td>550</td>
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<tr>
<td>72</td>
<td>300</td>
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<tr>
<td>96</td>
<td>300</td>
</tr>
<tr>
<td>144</td>
<td>200</td>
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<td>192</td>
<td>66</td>
</tr>
<tr>
<td>288</td>
<td>66</td>
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</tbody>
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Note: Trunks under 75 ft are packaged in a cardboard box and not on a reel. Note: Packaging for longer length trunks available upon request.

### Reel Capacities – Armored Cable Specifications

<table>
<thead>
<tr>
<th>Packaging Method</th>
<th>Box H</th>
<th>Reel 4</th>
<th>Reel 5</th>
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<tr>
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<td>Coiled Cable</td>
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<td>Reel Diameter (in)</td>
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<td>Reed Width (in)</td>
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<table>
<thead>
<tr>
<th>Fiber Count</th>
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<td>16</td>
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<tr>
<td>192</td>
<td>30</td>
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<tr>
<td>288</td>
<td>30</td>
</tr>
</tbody>
</table>

Note: Trunks under 50 ft are packaged in a cardboard box and not on a reel. Note: Packaging for longer length trunks available upon request.
EDGE8® MTP® Trunks Cables

EDGE8® MTP® trunks provide the backbone of the EDGE8 solution. With 8-fiber pinned MTP connectors on both ends, these trunks are designed to interface with the EDGE8 universal modules or adapter panels for parallel optic applications. All MTP trunks are manufactured with Corning® CleanAdvantage™ technology and shipped with strain-relief clips to allow easy tool-less installation. MTP trunk pulling grips can be pulled using up to 100 lbs of pulling tension while providing complete protection for the connectors.

Ordering Information

1. **Select grip.**
   - G = Grip on first end only
   - D = Grip on both ends
   - Z = No grip

2. **Select MTP connector.**
   (end one on outside of reel).
   - E5 = MTP 8 F (pinned) multimode
   - E7 = MTP 8 F (pinned) single-mode
   - 00 = Pigtail (Only available with P = straight-through polarity)

3. **Select MTP connector.**
   (end two on inside of reel).
   - E5 = MTP 8 F (pinned) multimode
   - E7 = MTP 8 F (pinned) single-mode

4. **Select standard fiber count.**
   - 08 = 8 fiber
   - 16 = 16 fiber
   - 24 = 24 fiber
   - 32 = 32 fiber
   - 48 = 48 fiber
   - 72 = 72 fiber
   - 96 = 96 fiber
   - E4 = 144 fiber
   - K2 = 192 fiber
   - U8 = 288 fiber

5. **Select fiber type.**
   - T = 50 μm multimode (OM3)
   - Q = 50 μm multimode (OM4)
   - V = 50 μm wideband multimode (OM5)
   - G = Single-Mode Ultra (OS2)

6. **Select cable type.**
   - PN = Plenum, non-armored
   - AD = Plenum, BX armored

7. **Select leg length.**
   (end one on outside of reel).
   - D = 33 in (+3.5/-1.0 in)*
   - 0 = Pigtail

8. **Defines leg length.**
   (end two on inside of reel).
   - D = 33 in (+3.5/-1.0 in)*

   *Furcation legs are color-coded by fiber type.

9. **Select trunk type.**
   - U = Standard Type-B
   - P = Straight-through Type-A

10. **Select cable length.**
    - 005-999 ft
    - 002-300 m
    (1 ft increments measured from furcation to furcation)
    (1 m increments measured from furcation to furcation)
    Longer cable lengths available upon request.

11. **Select unit of measure.**
    - F = Feet
    - M = Meters

*For custom labels, add the letter “L” as prefix to the part number e.g., LGES548QPNDLxxxxF
Print for custom labels can be up to 30 characters. Information to be printed on custom labels must be provided at the time of order.

*For fiber counts above 144 F, the legs will be staggered starting at 33 in.
EDGE8® MTP® Extender Trunks Cables

EDGE8® MTP® extender trunks provide additional distance for the backbone of the EDGE8 solution. With a non-pinned MTP connector on one end, a pinned MTP connector on the other, and a TIA-568 Type-A polarity, these trunks are designed to interface with an EDGE8 solutions universal module and an EDGE8 MTP trunk. All extender trunks are manufactured with Corning® CleanAdvantage™ and shipped with strain-relief clips to allow easy tool-less installation.

MTP extender trunks are most often used in a zone distribution area (ZDA).

Ordering Information

<p>| | | | | | | | | | | |</p>
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<thead>
<tr>
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<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
</tbody>
</table>

1. Select grip.
   - G = Grip on first end only
   - Z = No grip

2. Select MTP connector.
   - (end one on outside of reel)
     - E5 = MTP 8 F (pinned) multimode
     - E7 = MTP 8 F (pinned) single-mode

3. Select MTP connector.
   - (end two on inside of reel)
     - E6 = MTP 8 F (non-pinned) multimode
     - E8 = MTP 8 F (non-pinned) single-mode

4. Select standard fiber count.
   - 08 = 8 fiber
   - 16 = 16 fiber
   - 24 = 24 fiber
   - 32 = 32 fiber
   - 48 = 48 fiber
   - 72 = 72 fiber
   - 96 = 96 fiber
   - 144 = 144 fiber
   - 192 = 192 fiber
   - 288 = 288 fiber

5. Select fiber type.
   - T = 50 μm multimode (OM3)
   - Q = 50 μm multimode (OM4)
   - V = 50 μm wideband multimode (OM5)
   - G = Single-Mode Ultra (OS2)

6. Select cable type.
   - PN = Plenum, non-armored
   - AD = Plenum, BX armored

7. Defines leg length.
   - (end one on outside of reel)
     - D = 33 in (+3.5/-1.0 in)

8. Defines leg length.
   - (end two on inside of reel)
     - C = 60 in (+3.5/-1.0 in)

   Mates with trunk (long leg reaches from rear to the front side of housing)

   - X = Extender

10. Select cable length.
    - 005-999 ft (1 ft increments measured from furcation to furcation)
    - 002-300 m (1 m increments measured from furcation to furcation)

   Longer cable lengths available upon request.

11. Select unit of measure.
    - F = Feet
    - M = Meters
Hybrid MTP® to LC Uniboot Trunks

EDGE8® MTP® to LC uniboot hybrid trunks combine pinned MTP connectors, which connect to EDGE8 modules, and LC uniboot connectors, which connect directly to the electronics. These trunks enable additional options for cabling of data centers. All hybrid trunks are manufactured with Corning® CleanAdvantage™ technology and shipped with strain-relief clips to allow easy tool-less installation.

Ordering Information

Select grip.
G = Grip on one end
Z = No grips

Select MTP connector.
(end one on outside of reel).
E5 = MTP 8 F (pinned) multimode
E7 = MTP 8 F (pinned) single-mode

Select LC connector.
(end two on inside of reel).
79 = LC uniboot multimode
78 = LC uniboot single-mode

Select fiber count.
08 = 8 fiber
16 = 16 fiber
24 = 24 fiber
32 = 32 fiber
48 = 48 fiber
72 = 72 fiber
96 = 96 fiber
E4 = 144 fiber

Select fiber type.
T = 50 μm multimode (OM3)
Q = 50 μm multimode (OM4)
V = 50 μm wideband multimode (OM5)
G = Single-Mode Ultra (OS2)

Select cable length.
005-999 ft
002-300 m

Defines trunk type.
W = Universal hybrid trunk

Defines leg length.
D = 33 in (+3.5/-1.0 in)
K = 24 in (+3.5/-1.0 in)
L = 36 in (+3.5/-1.0 in) (standard)
M = 48 in (+3.5/-1.0 in)
N = 60 in (+3.5/-1.0 in)
P = 72 in (+3.5/-1.0 in)

Select unit of measure.
F = Feet
M = Meters
Hybrid MTP® to LC Uniboot Extender Trunks

EDGE8® MTP® to LC uniboot hybrid extender trunks combine non-pinned MTP connectors, which connect to MTP Trunks, and LC uniboot connectors, which connect directly to the electronics. These trunks enable additional options for cabling of data centers and are most often used in a zone distribution area (ZDA). All hybrid trunks are manufactured with Corning® CleanAdvantage® technology and shipped with strain-relief clips to allow easy tool-less installation.

Ordering Information

- **Select grip.**
  - G = Grip on one end
  - Z = No grips

- **Select MTP connector.**
  - (end one on outside of reel)
  - E6 = MTP 8 F (non-pinned) multimode
  - E8 = MTP 8 F (non-pinned) single-mode

- **Select LC connector.**
  - (end two on inside of reel)
  - 79 = LC uniboot multimode
  - 78 = LC uniboot single-mode

- **Select fiber count.**
  - 08 = 8 fiber
  - 16 = 16 fiber
  - 24 = 24 fiber
  - 32 = 32 fiber
  - 48 = 48 fiber
  - 72 = 72 fiber
  - 96 = 96 fiber
  - E4 = 144 fiber

- **Select fiber type.**
  - T = 50 μm multimode (OM3)
  - Q = 50 μm multimode (OM4)
  - V = 50 μm wideband multimode (OM5)
  - G = Single-mode Ultra (OS2)

- **Defines cable type.**
  - PN = Plenum, non-armored

- **Defines leg length.**
  - (end one on outside of reel)
  - C = 60 in (+3.5/-1.0 in)

- **Select leg length.**
  - (end two on inside of reel)
  - K = 24 in (+3.5/-1.0 in)
  - L = 36 in (+3.5/-1.0 in) (standard)
  - M = 48 in (+3.5/-1.0 in)
  - N = 60 in (+3.5/-1.0 in)
  - P = 72 in (+3.5/-1.0 in)

- **Define trunk type.**
  - Z = Universal hybrid extender

- **Select cable length.**
  - 005-999 ft
  - 002-300 m

- **Select unit of measure.**
  - F = Feet
  - M = Meters

- **Notes:**
  - Longer cable lengths available upon request.
**EDGE8® MTP® to MTP Jumper**

The EDGE8® 8-fiber MTP® jumper allows for seamless migration to higher data rates in the data center when used in conjunction with EDGE8 pinned trunks. This EDGE8 MTP assembly has the same connector size and cable footprint as duplex LC jumpers used today. The density, airflow, and cable management advantages of EDGE8 solutions are preserved as you migrate to higher data rates.

Assemblies are built utilizing MTP PRO connectors. MTP PRO allows for a simple, one-step, color-coded polarity change feature without removing the connector housing. The connector also provides the capability for field-friendly pinning configuration changes with safe handling of pins and easy color identification while maintaining product integrity.

The EDGE8 MTP jumper is manufactured with Corning® CleanAdvantage™ technology and shipped with optimized dust caps, eliminating the need for cleaning and scoping prior to initial field connection.

### Ordering Information

Select MTP® PRO connector.  
- E5 = MTP 8 F (pinned) multimode  
- E6 = MTP 8 F (non-pinned) multimode  
- E7 = MTP 8 F (pinned) single-mode  
- E8 = MTP 8 F (non-pinned) single-mode

Select fiber type.  
- T = 50 μm multimode (OM3)  
- Q = 50 μm multimode (OM4)  
- V = 50 μm wideband multimode (OM5)  
- G = Single-Mode Ultra (OS2)

Defines cable type.  
- E8 = Plenum, interconnect

Defines jumper.  
- N = Jumper, no furcation

Select unit of measure.  
- F = Feet  
- M = Meters

Select polarity.  
- A = Type-A  
- B = Type-B  

Note: For jumper polarity, reference AEN156.

Select jumper length.  
- 003-200 ft (Measured in 1 ft increments)  
- 001-060 m (Measured in 1 m increments)

---

Note: Non-pinned jumpers should be used to mate to pinned EDGE8 trunks.

For custom labels, add the letter “L” as prefix to the part number e.g. LJEE66O8QE8 NBxxxF

Print for custom labels can be up to 30 characters. Information to be printed on custom labels must be provided at the time of order.
EDGE8® Harnesses

One of the critical challenges facing data center owners, operators, and maintenance personnel in high-density (HD) computing areas is providing high-port concentration deployments to support the latest generation of high-speed switches without losing them under a mass of jumpers. All EDGE8® harnesses are manufactured with Corning® CleanAdvantage™ technology and an optimized dust cap, eliminating the need for scoping and cleaning prior to initial field connection.

An EDGE8 harness is an ultra-slim 8-fiber (2.0 mm) preterminated cable with an MTP® PRO connector on one end and four LC duplex connectors on the other. The majority of the harness is a single cable which breaks out into four, 2-fiber legs to enable connectivity to the switch ports which are staggered to replicate the specific switch ports to save on excess cable length. MTP PRO allows for a simple one-step, color-coded polarity change feature without removing the connector housing. The connector also provides the capability for field-friendly pinning configuration changes with safe handling of pins and easy color identification while maintaining product integrity.

Specially designed harnesses are available for numerous distribution switches, including Cisco, Arista, Brocade, Juniper, and HP using SFP+ (LC interfaces) for Ethernet or Fibre Channel with duplex transmission for port mirroring, aggregation, fabric, or breakout applications.

Features and Benefits

- **Slim, round 2-fiber interconnect cable**
  Improves airflow and reduces congestion.

- **MTP PRO connectors**
  Allows for pinning and polarity changes in the field.

- **Low-loss connectivity**
  Enables system design flexibility.

- **Bend-improved fiber**
  Allows tighter cable bends for slack storage and routing, less risk of downtime due to pinched or bent cables.

- **Corning CleanAdvantage technology and optimized dust cap**
  Eliminates the need for scoping and cleaning prior to initial field connection.
EDGE8® MTP® to LC Uniboot Staggered Harnesses

EDGE8® MTP® to LC uniboot staggered harnesses provide breakout from 8-fiber MTP PRO connectors to LC uniboot connectors. These harnesses are available in five staggered configurations to meet various port replication needs.

Ordering Information

1. Select MTP PRO connector.
   - E5 = MTP 8 F (pinned) multimode
   - E6 = MTP 8 F (non-pinned) multimode
   - E7 = MTP 8 F (pinned) single-mode
   - E8 = MTP 8 F (non-pinned) single-mode

2. Select the breakout connector type.
   - 79 = LC uniboot multimode
   - 78 = LC uniboot single-mode

   LCs are universally wired.

3. Select fiber type.
   - T = 50 μm multimode (OM3)
   - Q = 50 μm multimode (OM4)
   - V = 50 μm wideband multimode (OM5)
   - G = Single-Mode Ultra (OS2)

4. Defines cable type.
   - PH = Plenum, harness

5. Select leg length in inches.
   (leg OD is 2.0 mm).
   - 1 = Type 1 Stagger
   - 2 = Type 2 Stagger
   - 3 = Type 3 Stagger
   - 4 = Type 4 Stagger (uniform)
   - 5 = Type 5 Stagger

   Note: For harness stagger type, reference AEN157.

6. Select harness polarity.
   - A = Type-A
   - B = Type-B

   Note: For harness polarity, reference AEN156.

7. Select harness length.
   - 003-020 ft (1 ft increments measured from plug to MTP, does not include LC stagger)
   - 001-060 m (1 m increments measured from plug to MTP, does not include LC stagger)

8. Select unit of measure.
   - F = Feet
   - M = Meters

An EDGE8 harness should have type-A polarity and a non-pinned MTP PRO connector when connecting to a trunk. An EDGE8 harness should have type-B polarity and a pinned MTP PRO connector when connecting to a module.
EDGE8® MTP® to LC Uniboot Nonstaggered Harnesses

EDGE8® MTP® to LC Uniboot nonstaggered harnesses provide breakout from 8-fiber MTP PRO connectors to LC uniboot connectors. These harnesses come with nonstaggered legs in several length options.

Ordering Information

1. Select MTP PRO connector.
   - E5 = MTP 8 F (pinned) multimode
   - E6 = MTP 8 F (non-pinned) multimode
   - E7 = MTP 8 F (pinned) single-mode
   - E8 = MTP 8 F (non-pinned) single-mode

2. Select the breakout connector type.
   - 79 = LC uniboot multimode
   - 78 = LC uniboot single-mode

   LCs are universally wired.

3. Select fiber type.
   - T = 50 μm multimode (OM3)
   - Q = 50 μm multimode (OM4)
   - V = 50 μm wideband multimode (OM5)
   - G = Single-Mode Ultra (OS2)

4. Defines cable type.
   - PH = Plenum, harness

5. Select leg length in inches.
   - (leg OD is 2.0 mm).
   - J = 12 in (+3.5/-1.0 in)
   - K = 24 in (+3.5/-1.0 in)
   - L = 36 in (+3.5/-1.0 in)
   - M = 48 in (+3.5/-1.0 in)
   - N = 60 in (+3.5/-1.0 in)
   - P = 72 in (+3.5/-1.0 in)
   - R = 98 in (+3.5/-1.0 in)

   Furcation legs are color code by fiber type.

6. Select harness polarity.
   - A = Type-A
   - B = Type-B

   Note: For harness polarity, reference AEN156.

7. Select harness length.
   - 003-200 ft (1 ft increments measured from plug to MTP, does not include leg length)
   - 001-060 m (1 m increments measured from plug to MTP, does not include leg length)

8. Select unit of measure.
   - F = Feet
   - M = Meters

An EDGE8 harness should have type-A polarity and a non-pinned MTP PRO connector when connecting to a trunk. An EDGE8 harness should have type-B polarity and a pinned MTP PRO connector when connecting to a module.
EDGE8® Modules

EDGE8® modules provide the interface between the MTP® connector on the trunk and the LC duplex jumpers that connect directly into the electronics or as a cross-connect in the main distribution area (MDA). LC duplex adapters on EDGE8 modules feature hinged visual-fault-locator (VFL) compatible shutters that move up and out of the way when the connector is inserted. Specially designed indents in the shutters ensure that the end faces of the connectors are never touched. These shutters replace the standard dust caps that are typically never replaced after initial removal, exposing the interior end faces to dust particles and possible damage.

All EDGE8 modules can be installed from the front or the rear of any EDGE8 solutions housing using a simple release mechanism, eliminating the need for any tools. In addition, the shutters are VFL compatible to allow easy port identification while diffusing the VFL light to ensure adequate eye safety.

Features and Benefits

VFL-compatible shuttered LC adapters
Creates one-hand operation and decreases time needed to test and troubleshoot a link.

Front- and rear-loading capability
Decreases the time to prepare and install modules into fiber housings.

High density
Modules enable 576 fibers in a 4U housing and 144 fibers in a 1U housing.

Low-insertion-loss performance
Improved performance specs allow for more mated pairs and/or longer link distances.

Universal wiring
Decreases complexity and risks associated with managing polarity during moves, adds, and changes.

Corning® CleanAdvantage™ technology and optimized dust cap
Eliminates the need for scoping and cleaning prior to initial field connection.

Optical Performance

<table>
<thead>
<tr>
<th>Connector Type</th>
<th>Module Insertion Loss, Maximum</th>
<th>Fiber Category</th>
<th>Adapter Color Front</th>
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<tr>
<td>Multimode Modules</td>
<td>PC</td>
<td>0.35 dB</td>
<td>50 μm MM (OM4/OM5)</td>
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<tr>
<td>Single-Mode Modules</td>
<td>UPC</td>
<td>0.60 dB</td>
<td>SM (OS2)</td>
</tr>
</tbody>
</table>
EDGE8® MTP® to LC Duplex Module

EDGE8® modules provide an interface between 8-fiber MTP® connectors and LC duplex connectors. The internal wiring of the module is based on universal polarity to ensure the correct fiber polarity throughout the entire system, independent of how many modules are implemented within the link. Ultra-low-loss connectivity enables design flexibility to permit multiple potential connections within the system (e.g., 6-module link).

These modules breakout 8-fiber MTP terminations from the rear into 4x LC duplex connectivity at the front. The VFL-compatible shuttered adapters provide reliable dust protection without the need for dust caps and allow for easy fiber identification. All EDGE8 modules are manufactured with Corning® CleanAdvantage™ technology and an optimized MTP dust cap, eliminating the need for cleaning before initial field connection.

EDGE8 MTP to LC duplex modules are easily swappable with MTP panels to accommodate changing requirements while leaving the trunk cable infrastructure in place. This also supports migration to MTP ports for parallel optics.

Ordering Information

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<th>M</th>
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</tbody>
</table>

1. **Select polarity.**
   - UM = Universal polarity
   - RM = Straight-through

2. **Defines fiber count.**
   - 08 = 8 fibers

3. **Select adapters on module front.**
   - 05 = Shuttered LC duplex multimode
   - 04 = Shuttered LC UPC duplex single-mode
   - 18 = Shuttered LC APC duplex single-mode

4. **Select MTP adapter on the back of the module.**
   - E6 = MTP 8 F (non-pinned) multimode
   - E8 = MTP 8 F (non-pinned) single-mode

5. **Select fiber type.**
   - Q = 50 μm multimode (OM4)
   - V = 50 μm wideband multimode (OM5)
   - G = Single-Mode Ultra (OS2)

*Other pinning configurations available upon request.*
EDGE™ Base-8 MTP* to LC Duplex Modules

The Base-8 MTP* to LC duplex module is an 8-fiber module in the standard EDGE™ module footprint. This solution is well suited for customers who want to migrate to an 8-fiber solution, while still utilizing an existing EDGE footprint.

These modules breakout 8-fiber MTP terminations from the rear into 4x LC duplex connectivity at the front. They easily integrate into existing EDGE (Base-12) housings or hardware. The VFL-compatible shuttered adapters provide reliable dust protection without the need for dust caps and allow for easy fiber identification. All EDGE8* modules are manufactured with Corning® CleanAdvantage™ technology and an optimized MTP dust cap, eliminating the need for cleaning before initial field connection.

Ordering Information

<table>
<thead>
<tr>
<th>E C M 1 2 -</th>
<th>0 8 -</th>
<th>U L L</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

1. Select polarity.
   - UM = Universal polarity
   - RM = Straight-through

2. Defines fiber count.
   - 08 = 8 fibers

3. Select adapters on module front.
   - 05 = Shuttered LC duplex multimode
   - 04 = Shuttered LC UPC duplex single-mode
   - 18 = Shuttered LC APC duplex single-mode

4. Select MTP adapter on the back of the module.
   - E6 = MTP 8 F (non-pinned) multimode
   - E8 = MTP 8 F (non-pinned) single-mode

5. Select fiber type.
   - Q = 50 μm multimode (OM4)*
   - G = Single-Mode Ultra (OS2)

*Compatible with wideband (OM5) solutions.
EDGE8® Port Breakout Module

The EDGE8® port breakout module enables conversion from a single 4-channel parallel optic port (such as 40GSR4, QSFP) to a patch panel representation with four LC duplex ports for use in a main distribution area. Typically, the MTP® tail will connect to the active electronics and breakout the 8-fiber QSFP 40G transceiver into 4x 2-fiber 10G LC duplex connections.

These modules breakout 8-fiber MTP terminations from the rear into 4x LC duplex connectivity at the front. The VFL-compatible shuttered adapters provide reliable dust protection without the need for dust caps and allow for easy fiber identification. All EDGE8 modules are manufactured with Corning® CleanAdvantage™ technology and an optimized MTP dust cap, eliminating the need for cleaning before initial field connection.

Ordering Information

Select adapters on module front.

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select adapters on module front.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>05 = Shuttered LC duplex multimode</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>04 = Shuttered LC UPC duplex single-mode</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18 = Shuttered LC APC duplex single-mode</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*LCs are universally wired.*

Select MTP adapter on the back of the module.

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select MTP adapter on the back of the module.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E6 = MTP 8 F (non-pinned) multimode</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E8 = MTP 8 F (non-pinned) single-mode</td>
<td></td>
<td></td>
<td></td>
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</table>

*Other pinning configurations available upon request.*

Select fiber type.

<table>
<thead>
<tr>
<th>1</th>
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<th>4</th>
<th>5</th>
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</thead>
<tbody>
<tr>
<td>Select fiber type.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q = 50 μm multimode (OM4)</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V = 50 μm wideband multimode (OM5)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G = Single-Mode Ultra (OS2)</td>
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</table>

*Defines cable type.*

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>Defines polarity.</td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>B = Type-B</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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</tbody>
</table>

*Define polarity.*

<table>
<thead>
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<th>4</th>
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<th>6</th>
<th>7</th>
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</thead>
<tbody>
<tr>
<td>Select cable length.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>003-075 ft (1 ft increments measured from furcation plug to furcation plug)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>001-025 m (1 m increments measured from furcation plug to furcation plug)</td>
<td></td>
<td></td>
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</tbody>
</table>

*Select cable length.*

<table>
<thead>
<tr>
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<th>6</th>
<th>7</th>
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</thead>
<tbody>
<tr>
<td>Select unit of measure.</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>F = Feet</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M = Meters</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Select unit of measure.*
EDGE8® Front-Access Breakout Module

The EDGE8® front-access breakout module will typically connect to the active electronics via a jumper or harness, and breakout the 8-fiber QSFP 40G transceiver into 4x 2-fiber 10G LC duplex connections. The module has an EDGE™ footprint for easy integration in a Base-12 solution. Its all-front access to the adapters is ideal for deployments where space and access are challenging.

These modules breakout 8-fiber MTP® terminations from the rear into 4x LC duplex connectivity at the front. The VFL-compatible shuttered adapters provide reliable dust protection without the need for dust caps and allow for easy fiber identification with VFL.

These modules are manufactured with Corning® CleanAdvantage™ technology and an optimized MTP dust cap, eliminating the need for cleaning before initial field connection.

Ordering Information

**ECM - UMO8 - □□□ - □□□ F - ULL**

1. **Select LC adapters.**
   - 05 = Shuttered LC duplex multimode
   - 04 = Shuttered LC duplex single-mode

2. **Select MTP adapter.**
   - E5 = MTP 8 F (pinned) multimode
   - E6 = MTP 8 F (non-pinned) multimode
   - E7 = MTP 8 F (pinned) single-mode
   - E8 = MTP 8 F (non-pinned) single-mode

3. **Select fiber type.**
   - Q = 50 μm multimode (OM4)*
   - G = Single-Mode Ultra (OS2)

*Compatible with wideband (OM5) solutions.
Plug & Play™ Base-8 Module

The Plug & Play™ Base-8 module is a 24-fiber module ideal for customers who want to deploy a Base-8 solution in an existing closet connector housing (CCH) or Pretium™ connector housing (PCH) infrastructure.

These modules breakout three 8-fiber MTP® terminations from the rear into 24x LC duplex connectivity at the front. They easily integrate into existing Plug & Play (CCH or PCH) deployments. The VFL-compatible shuttered adapters provide reliable dust protection without the need for dust caps and allow for easy fiber identification.

These modules are manufactured with Corning® CleanAdvantage™ technology and an optimized MTP dust cap, eliminating the need for cleaning before initial field connection.

Ordering Information

CCH 8 - UM 24 - [ ]- [ ] - [ ]- ULL

1 Select LC adapters.
   05 = Shuttered LC duplex multimode
   04 = Shuttered LC UPC duplex single-mode
   18 = Shuttered LC APC duplex single-mode

2 Select MTP adapter.
   E5 = MTP 8 F (pinned) multimode
   E6 = MTP 8 F (non-pinned) multimode
   E7 = MTP 8 F (pinned) single-mode
   E8 = MTP 8 F (non-pinned) single-mode

3 Select fiber type.
   Q = 50 μm multimode (OM4)*
   G = Single-Mode Ultra (OS2)

*Compatible with wideband (OM5) solutions.
EDGE8® MTP® Adapter Panels

EDGE8® MTP® adapter panels are pass-through panels that provide a simple interface to make MTP connectors. This occurs when connecting MTP trunks to MTP extended trunks, MTP trunks-to-trunk harnesses, and in 40G multimode networks, connecting MTP trunks to 40G jumpers. The backbone trunks connect at the rear of the adapters and then various connection options are possible at the front, using end-to-end links such as MTP harnesses, MTP trunks to 40G jumpers (and in 40G multimode networks), etc. The MTP adapter panel is the easiest way to implement parallel optic applications in your data center while retaining the existing hardware.

All EDGE8 adapter panels can be installed from the front or rear of any EDGE8 hardware using a simple release mechanism, thereby eliminating the need for any tools. EDGE8 MTP adapter panels are available with one, two, and four 8-fiber adapters for multimode and single-mode applications. All panels feature unique shuttered MTP reversible adapters at the front of the panel for on-site changes to manage the field polarity. And visual fault locator (VFL) compatible shutters that enable easy port identification while defusing the WFL light to ensure adequate eye safety.

**Features**

- Provide MTP connection points between trunks, harnesses, and jumpers
- Can be installed or removed from the front or rear of a housing
- MTP adapter panels facilitate simple upgrades to parallel optics
- Enable pay-as-you-grow approach
- Packaged in easy-open containers
- Translucent shutters diffuse VFL light and eliminate the need for dust caps

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Adapter Type Back</th>
<th>Fiber Count</th>
<th>Fiber Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDGE8-CP08-V1</td>
<td>MTP</td>
<td>8</td>
<td>SM (OS2)</td>
</tr>
<tr>
<td>EDGE8-CP16-V1</td>
<td>MTP</td>
<td>16</td>
<td>SM (OS2)</td>
</tr>
<tr>
<td>EDGE8-CP24-V1</td>
<td>MTP</td>
<td>24</td>
<td>SM (OS2)</td>
</tr>
<tr>
<td>EDGE8-CP32-V1</td>
<td>MTP</td>
<td>32</td>
<td>SM (OS2)</td>
</tr>
<tr>
<td>EDGE8-CP08-V3</td>
<td>MTP</td>
<td>8</td>
<td>50 µm MM (OM3/OM4)</td>
</tr>
<tr>
<td>EDGE8-CP16-V3</td>
<td>MTP</td>
<td>16</td>
<td>50 µm MM (OM3/OM4)</td>
</tr>
<tr>
<td>EDGE8-CP24-V3</td>
<td>MTP</td>
<td>24</td>
<td>50 µm MM (OM3/OM4)</td>
</tr>
<tr>
<td>EDGE8-CP32-V3</td>
<td>MTP</td>
<td>32</td>
<td>50 µm MM (OM3/OM4)</td>
</tr>
<tr>
<td>EDGE8-CP08-VY</td>
<td>MTP</td>
<td>8</td>
<td>50 µm MM (OM5)</td>
</tr>
<tr>
<td>EDGE8-CP16-VY</td>
<td>MTP</td>
<td>16</td>
<td>50 µm MM (OM5)</td>
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<tr>
<td>EDGE8-CP24-VY</td>
<td>MTP</td>
<td>24</td>
<td>50 µm MM (OM5)</td>
</tr>
<tr>
<td>EDGE8-CP32-VY</td>
<td>MTP</td>
<td>32</td>
<td>50 µm MM (OM5)</td>
</tr>
</tbody>
</table>
EDGE8® Tap Modules

EDGE8® tap modules enable passive optical tapping of the network while reducing downtime and link loss, and increase rack space utilization and density compared to other optical tap options.

Unlike other passive optical tap solutions that must be added as separate devices in the network link, EDGE8 tap modules integrate the coupler technology for passive optical tapping into a structured cabling component – the module. Monitored ports can be added without disrupting the system’s live traffic, and insertion loss in the link is required by the integration of the passive optical tapping into the module.

EDGE8 tap modules use an advanced splitter technology for multimode to reduce insertion loss compared to traditional splitter technology.

EDGE8 tap modules enable up to 72 monitor links per one rack unit (1RU), they fit seamlessly into EDGE8 solutions hardware for maximum cable management and better utilization of rack space.
EDGE8® LC to LC Tap Modules

EDGE8® tap modules for traditional LC duplex systems enable customers to manage the monitoring access points via the jumper infrastructure zone at the front of the cabinets.

EDGE8 LC-to-LC tap modules have one LC duplex adapter for tap and two duplex adapters for live traffic. The tap adapters are red and the live adapters are blue (for single-mode) or aqua (for multimode). The red LC adapter enables monitoring on the application side.

### Multimode

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETM8-50A-Q</td>
<td>EDGE8 Tap Module LC-LC, 50/50 split ratio</td>
</tr>
<tr>
<td>ETM8-50A-Q-BD</td>
<td>EDGE8 Tap Module BiDi LC-LC, 50/50 split ratio, BiDi</td>
</tr>
<tr>
<td>ETM8-70A-Q-PREM</td>
<td>EDGE8 Tap Module Premium LC-LC, 70/30 split ratio</td>
</tr>
<tr>
<td>ETM9-80A-Q-PREM</td>
<td>EDGE8 Tap Module Premium LC-LC, 80/20 split ratio</td>
</tr>
</tbody>
</table>

### Single-Mode

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETM8-50A-G</td>
<td>EDGE8 Tap Module LC-LC, 50/50 split ratio</td>
</tr>
<tr>
<td>ETM8-70A-G</td>
<td>EDGE8 Tap Module LC-LC, 70/30 split ratio</td>
</tr>
<tr>
<td>ETM8-80A-G</td>
<td>EDGE8 Tap Module LC-LC, 80/20 split ratio</td>
</tr>
<tr>
<td>ETM8-90A-G</td>
<td>EDGE8 Tap Module LC-LC, 90/10 split ratio</td>
</tr>
</tbody>
</table>

### Specs

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Fiber Type</th>
<th>Split Ratio</th>
<th>Splitter Loss (dB)</th>
<th>LC Connector Loss (dB)</th>
<th>MTP Connector Loss (dB)</th>
<th>Tap Module’s Live Link Loss (dB)</th>
<th>Tap Module’s Tap Link Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETM8-50A-Q</td>
<td>OM4</td>
<td>50/50</td>
<td>3.7/3.7</td>
<td>0.10</td>
<td>N/A</td>
<td>4.0</td>
<td>4.0</td>
</tr>
<tr>
<td>ETM8-50A-Q-BD</td>
<td>OM4</td>
<td>50/50</td>
<td>3.7/3.7</td>
<td>0.10</td>
<td>N/A</td>
<td>4.0</td>
<td>4.0</td>
</tr>
<tr>
<td>ETM8-70A-Q-PREM</td>
<td>OM4</td>
<td>70/30</td>
<td>1.8/1.8</td>
<td>0.10</td>
<td>N/A</td>
<td>2.1</td>
<td>6.1</td>
</tr>
<tr>
<td>ETM8-80A-Q-PREM</td>
<td>OM4</td>
<td>80/20</td>
<td>1.3/1.3</td>
<td>0.10</td>
<td>N/A</td>
<td>1.6</td>
<td>7.6</td>
</tr>
<tr>
<td>ETM8-50A-G</td>
<td>OS2</td>
<td>50/50</td>
<td>3.5/3.5</td>
<td>0.25</td>
<td>N/A</td>
<td>4.0</td>
<td>4.0</td>
</tr>
<tr>
<td>ETM8-70A-G</td>
<td>OS2</td>
<td>70/30</td>
<td>2.0/5.8</td>
<td>0.25</td>
<td>N/A</td>
<td>2.5</td>
<td>6.3</td>
</tr>
<tr>
<td>ETM8-80A-G</td>
<td>OS2</td>
<td>80/20</td>
<td>1.3/7.8</td>
<td>0.25</td>
<td>N/A</td>
<td>1.8</td>
<td>8.3</td>
</tr>
<tr>
<td>ETM8-90A-G</td>
<td>OS2</td>
<td>90/10</td>
<td>0.7/11.8</td>
<td>0.25</td>
<td>N/A</td>
<td>1.2</td>
<td>12.3</td>
</tr>
</tbody>
</table>
EDGE8® MTP® to LC Tap Modules

EDGE8® MTP® to LC tap modules have a “live” pinless MTP adapter (aqua for multimode; black for single-mode) and a “tap” pinless MTP adapter (red) on the back of the module. This enables monitoring of the four live LC duplex ports on the application side.

### Multimode

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETM8-50B-Q</td>
<td>EDGE8 Tap Module MTP-LC, 50/50 split ratio</td>
</tr>
<tr>
<td>ETM8-70B-Q-PREM</td>
<td>EDGE8 Tap Module Premium MTP-LC, 70/30 split ratio</td>
</tr>
<tr>
<td>ETM8-80B-Q-PREM</td>
<td>EDGE8 Tap Module Premium MTP-LC, 80/20 split ratio</td>
</tr>
</tbody>
</table>

### Single-Mode

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>ETM8-50B-G</td>
<td>EDGE8 Tap Module MTP-LC, 50/50 split ratio</td>
</tr>
<tr>
<td>ETM8-70B-G</td>
<td>EDGE8 Tap Module MTP-LC, 70/30 split ratio</td>
</tr>
<tr>
<td>ETM8-80B-G</td>
<td>EDGE8 Tap Module MTP-LC, 80/20 split ratio</td>
</tr>
<tr>
<td>ETM8-90B-G</td>
<td>EDGE8 Tap Module MTP-LC, 90/10 split ratio</td>
</tr>
</tbody>
</table>

### Specs

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Fiber Type</th>
<th>Split Ratio</th>
<th>Splitter Loss (dB)</th>
<th>LC Connector Loss (dB)</th>
<th>MTP Connector Loss (dB)</th>
<th>Tap Module’s Live Link Loss (dB)</th>
<th>Tap Module’s Tap Link Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETM8-50B-Q</td>
<td>OM4</td>
<td>50/50</td>
<td>3.7/3.7</td>
<td>0.10</td>
<td>0.25</td>
<td>4.15</td>
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<tr>
<td>ETM8-70B-Q-PREM</td>
<td>OM4</td>
<td>70/30</td>
<td>1.8/5.8</td>
<td>0.10</td>
<td>0.25</td>
<td>2.2</td>
<td>6.3</td>
</tr>
<tr>
<td>ETM8-80B-Q-PREM</td>
<td>OM4</td>
<td>80/20</td>
<td>1.3/7.3</td>
<td>0.10</td>
<td>0.25</td>
<td>1.7</td>
<td>7.8</td>
</tr>
<tr>
<td>ETM8-50B-G</td>
<td>OS2</td>
<td>50/50</td>
<td>3.5/3.5</td>
<td>0.25</td>
<td>0.35</td>
<td>4.1</td>
<td>4.2</td>
</tr>
<tr>
<td>ETM8-70B-G</td>
<td>OS2</td>
<td>70/30</td>
<td>2.0/5.8</td>
<td>0.25</td>
<td>0.35</td>
<td>2.6</td>
<td>6.5</td>
</tr>
<tr>
<td>ETM8-80B-G</td>
<td>OS2</td>
<td>80/20</td>
<td>1.3/7.8</td>
<td>0.25</td>
<td>0.35</td>
<td>1.9</td>
<td>8.5</td>
</tr>
<tr>
<td>ETM8-90B-G</td>
<td>OS2</td>
<td>90/10</td>
<td>0.7/11.8</td>
<td>0.25</td>
<td>0.35</td>
<td>1.3</td>
<td>12.5</td>
</tr>
</tbody>
</table>
EDGE8® MTP® to MTP Tap Modules

EDGE8® MTP® to MTP tap modules provide an MTP interface at the front of the tap module that can be used with a harness for LC breakout applications, or with MTP jumpers for parallel optic applications. The MTP monitoring port can be located at the front or rear of the tap module.

The front-of-module configuration has pinless “tap” (red) and pinned “live” (aqua for multimode, black for single-mode) MTP adapters on the front of the tap module and a pinless “live” (aqua for multimode, black for single-mode) MTP adapter on the rear of the tap module. This configuration enables simple patch management of the monitoring links via the patching zone at the front of the rack.

The back-of-module configuration has a pinned “live” MTP adapter (aqua for multimode; black for single-mode) on the front of the module and pinless “live” (aqua for multimode; black for single-mode) and “tap” (red) MTP adapters on the rear of the module. This allows for remote monitoring away from the main data center infrastructure.

### Multimode

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETM8-50C-Q</td>
<td>EDGE8 Tap Module MTP-MTP, 50/50 split ratio</td>
</tr>
<tr>
<td>ETM8-50C-Q-R</td>
<td>EDGE8 Tap Module MTP-MTP, 50/50 split ratio, rear tap</td>
</tr>
<tr>
<td>ETM8-70C-Q-PREM</td>
<td>EDGE8 Tap Module Premium MTP-MTP, 70/30 split ratio</td>
</tr>
<tr>
<td>ETM8-70C-Q-R-PREM</td>
<td>EDGE8 Tap Module Premium MTP-MTP, 70/30 split ratio, rear tap</td>
</tr>
<tr>
<td>ETM8-80C-Q-PREM</td>
<td>EDGE8 Tap Module Premium MTP-MTP, 80/20 split ratio</td>
</tr>
<tr>
<td>ETM8-80C-Q-R-PREM</td>
<td>EDGE8 Tap Module Premium MTP-MTP, 80/20 split ratio, rear tap</td>
</tr>
</tbody>
</table>

### Single-Mode

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETM8-50C-G</td>
<td>EDGE8 Tap Module MTP-MTP, 50/50 split ratio</td>
</tr>
<tr>
<td>ETM8-50C-G-R</td>
<td>EDGE8 Tap Module MTP-MTP, 50/50 split ratio, rear tap</td>
</tr>
<tr>
<td>ETM8-70C-G</td>
<td>EDGE8 Tap Module MTP-MTP, 70/30 split ratio</td>
</tr>
<tr>
<td>ETM8-70C-G-R</td>
<td>EDGE8 Tap Module MTP-MTP, 70/30 split ratio, rear tap</td>
</tr>
<tr>
<td>ETM8-80C-G</td>
<td>EDGE8 Tap Module MTP-MTP, 80/20 split ratio</td>
</tr>
<tr>
<td>ETM8-80C-G-R</td>
<td>EDGE8 Tap Module MTP-MTP, 80/20 split ratio, rear tap</td>
</tr>
<tr>
<td>ETM8-90C-G</td>
<td>EDGE8 Tap Module MTP-MTP, 90/10 split ratio</td>
</tr>
<tr>
<td>ETM8-90C-G-R</td>
<td>EDGE8 Tap Module MTP-MTP, 90/10 split ratio, rear tap</td>
</tr>
</tbody>
</table>
## EDGE8® Solutions MTP® to MTP Tap Modules

### Specs

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Fiber Type</th>
<th>Split Ratio</th>
<th>Splitter Loss (dB)</th>
<th>LC Connector Loss (dB)</th>
<th>MTP Connector Loss (dB)</th>
<th>Tap Module's Live Link Loss (dB)</th>
<th>Tap Module's Tap Link Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETM8-50C-Q</td>
<td>OM4</td>
<td>50/50</td>
<td>3.7/3.7</td>
<td>N/A</td>
<td>0.25</td>
<td>4.3</td>
<td>4.3</td>
</tr>
<tr>
<td>ETM8-50C-Q-R</td>
<td>OM4</td>
<td>50/50</td>
<td>3.7/3.7</td>
<td>N/A</td>
<td>0.25</td>
<td>4.3</td>
<td>4.3</td>
</tr>
<tr>
<td>ETM8-70C-Q-PREM</td>
<td>OM4</td>
<td>70/30</td>
<td>1.8/5.8</td>
<td>N/A</td>
<td>0.25</td>
<td>2.4</td>
<td>6.4</td>
</tr>
<tr>
<td>ETM8-70C-Q-R-PREM</td>
<td>OM4</td>
<td>70/30</td>
<td>1.8/5.8</td>
<td>N/A</td>
<td>0.25</td>
<td>2.4</td>
<td>6.4</td>
</tr>
<tr>
<td>ETM8-80C-Q-PREM</td>
<td>OM4</td>
<td>80/20</td>
<td>1.3/7.3</td>
<td>N/A</td>
<td>0.25</td>
<td>1.9</td>
<td>7.9</td>
</tr>
<tr>
<td>ETM8-80C-Q-R-PREM</td>
<td>OM4</td>
<td>80/20</td>
<td>1.3/7.3</td>
<td>N/A</td>
<td>0.25</td>
<td>1.9</td>
<td>7.9</td>
</tr>
<tr>
<td>ETM8-50C-G</td>
<td>OS2</td>
<td>50/50</td>
<td>3.5/3.5</td>
<td>N/A</td>
<td>0.35</td>
<td>4.2</td>
<td>4.2</td>
</tr>
<tr>
<td>ETM8-50C-G-R</td>
<td>OS2</td>
<td>50/50</td>
<td>3.5/3.5</td>
<td>N/A</td>
<td>0.35</td>
<td>4.2</td>
<td>4.2</td>
</tr>
<tr>
<td>ETM8-70C-G</td>
<td>OS2</td>
<td>70/30</td>
<td>2.0/5.8</td>
<td>N/A</td>
<td>0.35</td>
<td>2.7</td>
<td>6.5</td>
</tr>
<tr>
<td>ETM8-70C-G-R</td>
<td>OS2</td>
<td>70/30</td>
<td>2.0/5.8</td>
<td>N/A</td>
<td>0.35</td>
<td>2.7</td>
<td>6.5</td>
</tr>
<tr>
<td>ETM8-80C-G</td>
<td>OS2</td>
<td>80/20</td>
<td>1.3/7.8</td>
<td>N/A</td>
<td>0.35</td>
<td>2.0</td>
<td>8.5</td>
</tr>
<tr>
<td>ETM8-80C-G-R</td>
<td>OS2</td>
<td>80/20</td>
<td>1.3/7.8</td>
<td>N/A</td>
<td>0.35</td>
<td>2.0</td>
<td>8.5</td>
</tr>
<tr>
<td>ETM8-90C-G</td>
<td>OS2</td>
<td>90/10</td>
<td>0.7/11.8</td>
<td>N/A</td>
<td>0.35</td>
<td>1.4</td>
<td>12.5</td>
</tr>
<tr>
<td>ETM8-90C-G-R</td>
<td>OS2</td>
<td>90/10</td>
<td>0.7/11.8</td>
<td>N/A</td>
<td>0.35</td>
<td>1.4</td>
<td>12.5</td>
</tr>
</tbody>
</table>
EDGE8® MTP® to MTP Tap Harness

EDGE8® MTP® to MTP tap harness is used to break out the 8-fiber tap port at the rear of the EDGE8 tap module into two 4-fiber MTP connectors that plug into monitoring electronics.

Ordering Information

Select connector
(to Tap module or panel)
E5 = MTP 8 F (pinned) multimode
E6 = MTP 8 F (non-pinned) multimode
E7 = MTP 8 F (pinned) single-mode
E8 = MTP 8 F (non-pinned) single-mode

Select MTP connector
(to electronics - each MTP connector has 4 fibers).
E6 = MTP 8 F (non-pinned) multimode
E8 = MTP 8 F (non-pinned) single-mode

Select fiber type.
Q = 50 μm multimode (OM4)
V = 50 μm wideband multimode (OM5)
G = Single-Mode Ultra (OS2)

Defines cable type.
PH = Plenum, harness

Select leg length in inches.
J = 12 in (+3.5/-1.0 in)
K = 24 in (+3.5/-1.0 in)

Defines harness polarity.
B = Type-B

Select harness length.
003-200 ft
(1 ft increments measured from plug to MTP, does not include leg length)
001-060 m
(1 m increments measured from plug to MTP, does not include leg length)

Select unit of measure.
F = Feet
M = Meters
EDGE8® MTP® to LC Tap Harness

EDGE8® MTP® to LC port tap harness is used to break out the 8-fiber tap port at the rear of the EDGE8 port tap module into LC simplex connectors that plug into monitoring electronics.

MTP PRO allows for pinning and polarity changes in the field.

Ordering Information

Select MTP connector (from Tap module).
- E5 = MTP 8 F (pinned) multimode
- E6 = MTP 8 F (non-pinned) multimode
- E7 = MTP 8 F (pinned) single-mode
- E8 = MTP 8 F (non-pinned) single-mode

Select breakout connector type.
- 02 = LC simplex, single-mode
- 03 = LC simplex, low-loss multimode

Select fiber type.
- Q = 50 μm multimode (OM4)
- V = 50 μm wideband multimode (OM5)
- G = Single-Mode Ultra (OS2)

Defines cable type.
- PH = Plenum, harness

Select leg length in inches.
- J = 12 in (+3.5/-1.0 in)
- K = 24 in (+3.5/-1.0 in)
- L = 36 in (+3.5/-1.0 in)

Defines harness polarity.
- B = Type-B

Select harness length.
- 003-200 ft (1 ft increments measured from plug to MTP, does not include leg length)
- 001-060 m (1 m increments measured from plug to MTP, does not include leg length)

Select unit of measure.
- F = Feet
- M = Meters
Reverse Polarity Uniboot Duplex Jumpers

EDGE® reverse polarity uniboot duplex jumpers allow for the quick-and-easy conversion from a TIA-568 A-B polarity to a TIA-568 A-A polarity without exposing the fibers or needing any tools. This jumper comes with a straight-through polarity from the factory, but you can convert it to a flipped jumper with no tools. This uniboot design allows one cable to carry both fibers, reducing jumper bulk when routing.

Features

Slim, round two-fiber interconnect cable

Uniboot-style duplex connectors

Improved handling in high-density applications

Low-loss connectivity enables system design flexibility

Enabled by bend-insensitive Corning® ClearCurve® multimode or Corning® SMF-28e® Ultra single-mode fibers

Designed to withstand tight bends and challenging cable routes

LC Uniboot Jumper Specifications

<table>
<thead>
<tr>
<th>Connector</th>
<th>Connector Code</th>
<th>Typical Connector Attenuation (dB)</th>
<th>Return Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MM LC uniboot</td>
<td>79</td>
<td>0.10</td>
<td>≤ 26</td>
</tr>
<tr>
<td>SM LC UPC uniboot</td>
<td>78</td>
<td>0.25</td>
<td>≤ 55</td>
</tr>
<tr>
<td>SM LC APC uniboot</td>
<td>80</td>
<td>0.25</td>
<td>≤ 65</td>
</tr>
</tbody>
</table>

Ordering Information

1. Select connector one type.
   - 79 = Multimode LC uniboot (OM3/OM4/OM5)
   - 78 = Single-Mode LC UPC uniboot (OS2)
   - 80 = Single-Mode LC APC uniboot (OS2)

2. Select connector two type.
   - 79 = Multimode LC uniboot (OM3/OM4/OM5)
   - 78 = Single-Mode LC UPC uniboot (OS2)
   - 80 = Single-Mode LC APC uniboot (OS2)

3. Select fiber type.
   - T = 50 μm multimode (OM3)
   - Q = 50 μm multimode (OM4)
   - V = 50 μm wideband multimode (OM5)
   - G = Single-Mode Ultra (OS2)

4. Select flame rating.
   - 1 = Riser
   - 8 = Plenum

5. Select length.
   - 001-250 (tip-to-tip)

6. Select unit of measure.
   - F = Feet
   - M = Meters
Reverse Polarity LC Duplex Clips

All reverse polarity uniboot LC duplex connectors come with a clip that is removable. We offer a total of 12 colors to allow for easy link identification or fabric segmentation.

Ordering Information

Select color.
N = Blue
E = Orange
G = Green
W = White
C = Slate
R = Red
B = Black
Y = Yellow
V = Violet
P = Rose
A = Aqua
K = Beige

1  TRIGGER-BP-U- [ ]

1

Note: Must order in multiples of 100.
## Cleaning Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
<th>Units per Delivery</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLEANER-PORT-LC</td>
<td>Single-Fiber Port Cleaner for LC, keyed LC, and MU connector end faces for both UPC and APC polishes</td>
<td>1/1</td>
</tr>
<tr>
<td>2104466-01</td>
<td>Fiber Optic Cleaning Tool used to clean MTP connector end faces as well as MTP connectors installed in a module</td>
<td>1/1</td>
</tr>
</tbody>
</table>

## Housing Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
<th>Units per Delivery</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDGE-TRAY-QTY1</td>
<td>EDGE8® Hardware Accessory, EDGE8 tray kit, quantity of 1</td>
<td>1/1</td>
</tr>
<tr>
<td>EDGE-TRAY-QTY12</td>
<td>EDGE8 Hardware Accessory, EDGE8 tray kit, quantity of 12</td>
<td>12/1</td>
</tr>
<tr>
<td>EDGE-01U-TRAY</td>
<td>EDGE8 Hardware Accessory, EDGE8-01U tray kit, 12 pack, POS 01 to 02</td>
<td>1/1</td>
</tr>
<tr>
<td>EDGE-02U-TRAY</td>
<td>EDGE8 Hardware Accessory, EDGE8-02U tray kit, 12 pack, POS 01 to 06</td>
<td>1/1</td>
</tr>
<tr>
<td>EDGE-04U-TRAY</td>
<td>EDGE8 Hardware Accessory, EDGE8-04U tray kit, 12 pack, POS 01 to 12</td>
<td>1/1</td>
</tr>
<tr>
<td>EDGE-BKT-WT-2RU</td>
<td>Wire Tray Mounting Bracket for up to 2U of housing mounting space</td>
<td>1/1</td>
</tr>
<tr>
<td>EDGE-BKT-WT-4RU</td>
<td>Wire Tray Mounting Bracket for up to 4U of housing mounting space</td>
<td>1/1</td>
</tr>
</tbody>
</table>
## Housing Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
<th>Units per Delivery</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDGE-BKT-LR-2RU</td>
<td>Ladder Rack Mounting Bracket for up to 2U of housing mounting space</td>
<td>1/1</td>
</tr>
<tr>
<td>EDGE-BKT-LR-4RU</td>
<td>Ladder Rack Mounting Bracket for up to 4U of housing mounting space</td>
<td>1/1</td>
</tr>
</tbody>
</table>

## Trunk Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
<th>Units per Delivery</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDGE-CDF-RJ04-BKT</td>
<td>EDGE™ Solutions Strain-Relief Bracket, accommodating four EDGE solutions clip parking positions</td>
<td>1/1</td>
</tr>
<tr>
<td>EDGE-CDF-RJ08-BKT</td>
<td>EDGE Solutions Strain-Relief Bracket, accommodating eight EDGE solutions clip parking positions</td>
<td>1/1</td>
</tr>
<tr>
<td>EDGE-CDF-RJ12-BKT</td>
<td>EDGE Solutions Strain-Relief Bracket, accommodating 12 EDGE solutions clip parking positions</td>
<td>1/1</td>
</tr>
<tr>
<td>PC1-BKT-23</td>
<td>EDGE Extension and Flush-Mount Bracket for mounting 1U housings into 23-in racks or cabinets</td>
<td>1/1</td>
</tr>
<tr>
<td>PC2-BKT-23</td>
<td>EDGE Extension and Flush-Mount Bracket for mounting 2U housings into 23-in racks or cabinets</td>
<td>1/1</td>
</tr>
</tbody>
</table>
## EDGE8® Solutions

### Trunk Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
<th>Units per Delivery</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC4-BKT-23</td>
<td>EDGE® Solutions Mounting Bracket for mounting 4U housings into 23-in racks or cabinets</td>
<td>1/1</td>
</tr>
<tr>
<td>EDGE-01U-FLSH-BKT</td>
<td>EDGE Extension and Flush-Mount Bracket for EDGE-01U</td>
<td>1/1</td>
</tr>
<tr>
<td>CJP-01U-P</td>
<td>Pretium™ Jumper Management Panel 1U; provides jumper management in a 1.75-in rack space</td>
<td>1/1</td>
</tr>
<tr>
<td>CJP-02U-P</td>
<td>Pretium Jumper Management Panel 2U; provides jumper management in a 3.5-in rack space</td>
<td>1/1</td>
</tr>
<tr>
<td>EDGE8-CCHBKT-1</td>
<td>Bracket to hold one EDGE8® solutions module that fits into Plug &amp; Play® housings</td>
<td>1/1</td>
</tr>
<tr>
<td>EDGE8-CCHBKT-2</td>
<td>Bracket to hold two EDGE8 solutions module that fits into Plug &amp; Play housings</td>
<td>1/1</td>
</tr>
<tr>
<td>EDGE-EMOD-STRN</td>
<td>EDGE Solutions Strain-Relief Bracket, EMOD, 1U</td>
<td>1/1</td>
</tr>
</tbody>
</table>
## MTP® PRO Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
<th>Units per Delivery</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTPPRO-TOOL</td>
<td>Field tool to perform pinning and polarity changes of MTP® PRO connectors</td>
<td>1/1</td>
</tr>
<tr>
<td>MTPPRO-PEX-MME-NO PINS</td>
<td>MTP PRO Pin Exchanger Kit, SM MTP Elite, empty (without pins)</td>
<td>1/1</td>
</tr>
<tr>
<td>MTPPRO-PEX-MME-PINS</td>
<td>MTP PRO Pin Exchanger Kit, MM MTP Elite, loaded (with pins)</td>
<td>1/1</td>
</tr>
<tr>
<td>MTPPRO-PEX-SME-NO PINS</td>
<td>MTP PRO Pin Exchanger Kit, SM MTP Elite, empty (without pins)</td>
<td>1/1</td>
</tr>
<tr>
<td>MTPPRO-PEX-SME-PINS</td>
<td>MTP PRO Pin Exchanger Kit, SM MTP Elite, loaded (with pins)</td>
<td>1/1</td>
</tr>
</tbody>
</table>