Base 8 Plug and Play Trunk Assemblies
Europe - Euro Class Dca, Cca

Combining Siemon’s reduced-diameter RazorCore™ cable with 8-fiber MTP connectors, Base 8 Plug and Play MTP or MTP PRO Trunk Assemblies are designed to be quickly routed and connected to Siemon Plug and Play Modules and MTP Adapter Plates. Custom configurable to precise application requirements, these Base 8 assemblies put high-performance, high density fiber connections exactly where you need them while providing more efficient migration to support high-speed 8-fiber applications.

Multiple Fiber Types
Available in multimode (laser optimized OM3 and OM4 50/125) and singlemode

Reduced Pathway Fill
Siemon’s RazorCore cable has significantly reduced cable diameter

Low Loss Versions
Siemon’s Plug and Play cable assemblies are also available in low loss multimode for multiple mated pairs in 10/40/100G applications

40 Gb/s and 100 Gb/s Ready and Beyond
Offers the simplest upgrade path to current and future 8-fiber applications

Easy Identification
Base 8 assemblies feature a blue boot to easily distinguish from Base 12 assemblies

Cost-Effective with 100% Fiber Utilization
Base 8 MTP assemblies use 100% of fiber in 8-fiber applications, eliminating the need for conversion cords or modules

MTP PRO Connector
The MTP Pro option enables quick and easy polarity pin changes in the field using an innovative hand-held tool.

Flame Standards, CPR Qualification —
LSHF-FR (FRNC)
- IEC 60332-2, IEC 60754-1, IEC 60754-2, IEC 61034
- EN 50575, Class Eca, Cca s1a, d1, a1
PRODUCT INFORMATION

Ordering Information: Non-Armored

Fiber Count**
- 8 = 8 Fibers
- 16 = 16 Fibers
- 24 = 24 Fibers
- 48 = 48 Fibers
- 72 = 72 Fibers
- 96 = 96 Fibers
- 144 = 144 Fibers

Performance
- R = Standard Loss (SM only)
- L = Low Loss (OM3/OM4 only)

Jacket Type
- L = Class Dca
- C = Class Cca

Gender
- M = Male

Polarity
- A = Method A
- B = Method B
- C = Method C

Length
- Length must be 3 digits
- Example: 003 = 3m
- 010 = 10 ft.

Fiber Type
- 5L = OM3 XGLO 300/50/125 Multimode, Aqua
- 5V = OM4 XGLO 550/50/125 Multimode, Aqua
- EV = OM4 XGLO 550/50/125 Multimode, Erika Violet
- SM = OS1/OS2, Singlemode, Yellow

Fiber Count
- 8 = 8 Fibers
- 16 = 16 Fibers
- 24 = 24 Fibers
- 48 = 48 Fibers
- 72 = 72 Fibers
- 96 = 96 Fibers
- E4 = 144 Fibers

Fiber Type
- Performance
- R = Standard Loss
- L = Low Loss
(OM3/OM4 only)

- Fiber Type
- V = OM4, XGLO 550/50/125 Multimode, Aqua

Connector "A" Gender
- F = Female
- M = Male

Connector "B" Gender
- F = Female
- M = Male

Jacket Rating
- L = Class Dca
- C = Class Cca

Ordering Length
- 1 meter (3.3 ft)

*Order length is measured connector tip to connector tip. Multi-leg versions offered with standard 1 meter (3.3 ft.) legs. Minimum order length is 1 meter (3 ft.) for 8 strand and 3 meters (9 ft.) for 24 strands or greater (See diagram above).

**Class Dca is available in 8 - 144 strands
Class Cca is available in 8 - 24 strands

**Only trunk lengths greater than 5 meters (16FT) come with a pulling eye

MTP PRO Activation Tool and PIN Exchangers

Ordering Information:

Part # | Description
--- | ---
FTMP-AT | Field Termination, MTP PRO, Activation Tool
FTMP-PE-SME | Field Termination, MTP PRO, Pin Exchanger with SM Elite Pins
FTMP-PE-MME | Field Termination, MTP PRO, Pin Exchanger with MM Elite Pins
FTMP-PE-SM | Field Termination, MTP PRO, Pin Exchanger with SM, with Out Pins
FTMP-PE-MM | Field Termination, MTP PRO, Pin Exchanger with MM, with Out Pins

www.siemon.com
## Cable - Optical and Physical Specifications

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Multimode</th>
<th>Singlemode</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>XGLO® 50/125 OM3 (850/1300nm)</td>
<td>XGLO® 50/125 OM4 (850/1300nm)</td>
</tr>
<tr>
<td>Fiber Cable Attenuation, MAX (dB/km)</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
</tr>
<tr>
<td>LED Bandwidth, MIN (MHz/km)</td>
<td>1500/1000</td>
<td>3500/500</td>
</tr>
<tr>
<td>Effective Modal Bandwidth, MIN (MHz/km)</td>
<td>2000</td>
<td>4700</td>
</tr>
<tr>
<td>Cable Outer Jacket, Color (Per TIA-568-C)</td>
<td>Aqua</td>
<td>Aqua</td>
</tr>
</tbody>
</table>

### Performance Class

- **XGLO®** Singlemode fiber meets low water peak specifications per ITU-T G.652.C

### Cable — Optical and Physical Specifications (Nominal)

<table>
<thead>
<tr>
<th>Jacket Type</th>
<th>Fiber Strand Count</th>
<th>Cable Diameter mm (in.)</th>
<th>Min Bend Radius Operational mm (in.)</th>
<th>Min Bend Radius Installation mm (in.)</th>
<th>Max Pulling Eye Diameter mm (in.)</th>
<th>*Required Duct Diameter mm (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LSOH Dca</td>
<td>8</td>
<td>3.0 (0.12)</td>
<td>30 (1.2)</td>
<td>45 (1.8)</td>
<td>44.5 (1.75)</td>
<td>69.9 (2.75)</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>3.8 (0.15)</td>
<td>38 (1.5)</td>
<td>57 (2.2)</td>
<td>44.5 (1.75)</td>
<td>69.9 (2.75)</td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>3.8 (0.15)</td>
<td>38 (1.5)</td>
<td>57 (2.2)</td>
<td>44.5 (1.75)</td>
<td>69.9 (2.75)</td>
</tr>
<tr>
<td></td>
<td>48</td>
<td>6.5 (0.26)</td>
<td>65 (2.6)</td>
<td>98 (3.3)</td>
<td>63.5 (2.5)</td>
<td>88.9 (3.5)</td>
</tr>
<tr>
<td></td>
<td>72</td>
<td>7.0 (0.28)</td>
<td>70 (2.8)</td>
<td>105 (4.1)</td>
<td>63.5 (2.5)</td>
<td>88.9 (3.5)</td>
</tr>
<tr>
<td></td>
<td>96</td>
<td>12.5 (0.49)</td>
<td>125 (4.9)</td>
<td>188 (7.4)</td>
<td>88.9 (3.5)</td>
<td>114.3 (4.5)</td>
</tr>
<tr>
<td></td>
<td>144</td>
<td>14.9 (0.59)</td>
<td>149 (5.9)</td>
<td>224 (8.8)</td>
<td>88.9 (3.5)</td>
<td>114.3 (4.5)</td>
</tr>
<tr>
<td>LSOH Cca</td>
<td>8</td>
<td>3.0 (0.12)</td>
<td>30 (1.2)</td>
<td>60 (2.3)</td>
<td>44.5 (1.75)</td>
<td>69.9 (2.75)</td>
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<tr>
<td></td>
<td>16</td>
<td>3.6 (0.14)</td>
<td>30 (1.2)</td>
<td>72 (2.8)</td>
<td>44.5 (1.75)</td>
<td>69.9 (2.75)</td>
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<td>3.6 (0.14)</td>
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<td>69.9 (2.75)</td>
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</tbody>
</table>

*Pulling eye assembly shall be capable of passing through these minimum duct diameter requirements during product installation.

Pulling eye max pull force 18.1kg (40lbs)

### Connectors - Optical Specifications

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Performance Class</th>
<th>Max Insertion Loss (dB)</th>
<th>Min Return Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>MTP</td>
<td>LC</td>
</tr>
<tr>
<td>10G 50/125μm Multimode OM3</td>
<td>XGLO 300</td>
<td>0.40</td>
<td>0.25</td>
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<tr>
<td>10G 50/125μm Multimode OM4</td>
<td>XGLO 500</td>
<td>0.40</td>
<td>0.25</td>
</tr>
<tr>
<td>Laser Optimized 50/125 Multimode OM3</td>
<td>XGLO 300 Low Loss</td>
<td>0.20</td>
<td>0.15</td>
</tr>
<tr>
<td>Laser Optimized 50/125 Multimode OM4</td>
<td>XGLO 500 Low Loss</td>
<td>0.20</td>
<td>0.15</td>
</tr>
<tr>
<td>Singlemode OS2</td>
<td>XGLO</td>
<td>0.60</td>
<td>0.40</td>
</tr>
</tbody>
</table>

### Connectors - Physical Specifications

<table>
<thead>
<tr>
<th>Connector Type</th>
<th>IEC Intermateability Compliance</th>
<th>TIA Intermateability Compliance</th>
<th>Housing Color</th>
<th>Boot Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-Fiber MTP</td>
<td>IEC 61754-7</td>
<td>TIA/EIA-604-5</td>
<td>SM</td>
<td>MM-5L,5V</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Green</td>
<td>Aqua</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Blue</td>
<td>Blue</td>
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</table>