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

**Custom Configurations**
Available from 8 to 144 fiber counts in increments of 8 fibers

**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

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

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

**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

**40GBASE-SR4 8-Fiber and 100GBASE-SR4 8-Fiber MTP**
(1) 8 strand MTP trunk is used for one link
**PRODUCT INFORMATION**

**Ordering Information: Non-Armored**

**Ordering Length**

1 meter (3.3 ft)

**Fiber Count**

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

**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

**Performance**

- **R** = Standard Loss (SM only)
- **L** = Ultra Low Loss

**Polarity**

- **A** = Method A
- **B** = Method B
- **C** = Method C

**Length**

Length must be 3 digits

Example: 005 = 5m
050 = 50 ft.

**Gender**

- **L** = Female
- **M** = Male

**Jacket Type**

- **L** = Class Dca
- **C** = Class Cca

**Configuration**

- **L** = Standard Loss
- **M** = Ultra Low Loss

**Connector “A” Gender**

- **F** = Female
- **M** = Male

**Connector “B” Gender**

- **F** = Female
- **M** = Male

**Fiber Count**

- **8**
- **16**
- **24**
- **48**
- **72**
- **96**
- **144**

**Fiber Type**

- **L** = OM3, XGLO 300 50/125 Multimode, Aqua
- **V** = OM4, XGLO 550 50/125 Multimode, Aqua
- **E** = OM4, XGLO 550 50/125 Multimode, Erika Violet
- **A** = OS1/OS2, Singlemode, Yellow

**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

**MTP PRO Activation Tool and PIN Exchangers**

**Ordering Information:**

**W W W . S I E M O N . C O M**
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 (1300nm)</td>
<td>XGLO 50/125 OM4 (1550nm)</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>150/500</td>
<td>350/500</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>

* 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)</th>
<th>Min Bend Radius Operational (mm)</th>
<th>Min Bend Radius Installation (mm)</th>
<th>Max Pulling Eye Diameter mm (in.)</th>
<th>*Required Duct Diameter mm (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LSZH 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>68.9 (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>68.9 (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>68.9 (2.75)</td>
</tr>
<tr>
<td></td>
<td>48</td>
<td>6.5 (0.26)</td>
<td>65 (2.6)</td>
<td>98 (3.9)</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>
</tbody>
</table>

| LSZH Cca    | 8                  | 3.0 (0.12)          | 30 (1.2)                        | 45 (1.8)                         | 44.5 (1.75)                      | 68.9 (2.75) |
|             | 16                 | 3.6 (0.14)          | 30 (1.2)                        | 45 (1.8)                         | 44.5 (1.75)                      | 68.9 (2.75) |
|             | 24                 | 3.6 (0.14)          | 30 (1.2)                        | 44.5 (1.75)                      | 68.9 (2.75)                      | |

*Pulling eye assembly shall be capable of passing through these minimum duct diameter requirements during product installation.
Pulling 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) MTP</th>
<th>Min Return Loss (dB) MTP</th>
<th>Max Insertion Loss (dB) LC</th>
<th>Min Return Loss (dB) LC</th>
</tr>
</thead>
<tbody>
<tr>
<td>10G 50/125µm Multimode OM3</td>
<td>XGLO 300</td>
<td>0.40</td>
<td>0.25</td>
<td>20</td>
<td>30</td>
</tr>
<tr>
<td>10G 50/125µm Multimode OM4</td>
<td>XGLO 550</td>
<td>0.40</td>
<td>0.25</td>
<td>20</td>
<td>30</td>
</tr>
<tr>
<td>Singlemode OS2</td>
<td>XGLO</td>
<td>0.60</td>
<td>0.40</td>
<td>60</td>
<td>55</td>
</tr>
<tr>
<td>Laser Optimized 50/125 Multimode OM3</td>
<td>XGLO 300 Ultra Low Loss</td>
<td>0.30</td>
<td>0.20</td>
<td>60</td>
<td>55</td>
</tr>
<tr>
<td>Laser Optimized 50/125 Multimode OM4</td>
<td>XGLO 550 Ultra Low Loss</td>
<td>0.20</td>
<td>0.15</td>
<td>20</td>
<td>30</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-MMF</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Green</td>
<td>Aqua Blue</td>
</tr>
</tbody>
</table>

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