BASE 8 40/100G Equipment Cords

BASE 8 MTP PRO 2mm Jumpers

Siemon’s Base 8 MTP PRO jumpers are used to connect the MTP trunk backbone to the active equipment. The 8-fiber design ensures 100% utilization of fiber in 8-fiber 40/100G applications, while the compact design of the MTP footprint and Siemon’s 2mm diameter RazorCore™ cable achieves greater connectivity access, reduction in cable pathway congestion and improved airflow.

- **Active equipment has a male MTP/MPO connector**
- **All assemblies are B-polarity (straight-through wiring)**
- **MTP adapter plate has aligned key orientation**
- **The trunk is male-to-male (in contrast to typical 10G cassette-based MTP channels where the trunk is female-to-female)**
10G CASSETTE-BASED CHANNEL MIGRATION TO BASE 8 10/100G

10G Channel

Example Channel Model

Existing Backbone Fiber Trunk

Part # GR8-5LP(XXX)M-C

Polarity C
Female to Female

Cassettes and LC jumpers removed

Base 8 40G Channel

Example Channel Model

Existing Backbone Fiber Trunk

Part # GJSPLPMF-(XXX)M-B

Polarity B
Female to Male
MTP jumpers added

MTP Adapter Plate with Opposing Key

Part # GR8-5LP(XXX)M-C

Polarity C
Female to Female

MTP Adapter Plate with Opposing Key

Part # GJSPLPMF-(XXX)M-C

MTP jumpers added
Ordering Information

40/100G EQUIPMENT CORDS

GJ(X)(P)(X)(X)(X)-(XXX)(X)-(X) . . . .Base 8 MTP PRO 2mm (0.079 in.) jumper

Performance
S = Standard Loss
L = Low Loss (OM3/OM4 only)

Fibre 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 = OM5/OM5L, Singlemode Yellow

Jacket Rating
P = Plenum
R = Riser
L = LSOH

Side A
M = Male
F = Female

Side B
M = Male
F = Female

Length Unit
F = Feet
M = Metre

Polarity Method
A = Unpolarised
B = Method B
C = Method C

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

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
## Product Specifications

### STANDARD LOSS ASSEMBLIES

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>MAX Insertion (dB)</th>
<th>MAX Return Loss (dB)</th>
<th>Performance Class</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MTP</td>
<td>LC</td>
<td>MTP</td>
</tr>
<tr>
<td>SL-MM</td>
<td>50/125 (OM3)</td>
<td>0.50</td>
<td>0.25</td>
</tr>
<tr>
<td>SV-MM</td>
<td>50/125 (OM4)</td>
<td>0.50</td>
<td>0.25</td>
</tr>
<tr>
<td>SM-LWP</td>
<td>SM (OS1/OS2)</td>
<td>0.60</td>
<td>0.40</td>
</tr>
</tbody>
</table>

### LOW LOSS ASSEMBLIES

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>MAX Insertion (dB)</th>
<th>MAX Return Loss (dB)</th>
<th>Performance Class</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MTP</td>
<td>LC</td>
<td>MTP</td>
</tr>
<tr>
<td>SL-MM</td>
<td>50/125 (OM3)</td>
<td>0.20</td>
<td>0.15</td>
</tr>
<tr>
<td>SV-MM</td>
<td>50/125 (OM4)</td>
<td>0.20</td>
<td>0.15</td>
</tr>
</tbody>
</table>

### 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>0.4/0.4/0.3*</td>
</tr>
<tr>
<td>LED Bandwidth, MIN (MHz/km)</td>
<td>1900/500</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-598-D)</td>
<td>Aqua</td>
<td>Aqua</td>
</tr>
</tbody>
</table>

* XGLO singlemode fiber meets low water peak specifications per ITU-TG.652.C

### 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>Aqua</td>
<td>Green Blue</td>
</tr>
</tbody>
</table>

Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.