**40/100G EQUIPMENT CORDS (MJS)**

**Base 12 MTP PRO 2mm Jumpers**

Siemon’s MTP PRO jumpers are used to connect the MTP trunk backbone to the active equipment. 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 around the active equipment.

- **Small Diameter (2mm)**
  2mm RazorCore® fiber cable improves cable management and pathway fill.

- **Performance**
  MTP jumpers are manufactured to both Standard and Low Loss specifications.

- **Jacket ratings**
  Available in Plenum, Riser and LSOH

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**40G BASE-SR4 8-Fiber MTP**

With the 40G option (1) 12 strand MTP trunk is used for one link

**100G BASE-SR10, 2x12-Fiber MTP’s**

With the 100G option (2) 12 strand MTP trunks are used for one link

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**40G Channel**

*Example Channel Model*

- **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 40G Channel

10G Channel

Example Channel Model

Existing Backbone Fiber Trunk

Part # FR12-5LP(XXX)M-C

Polarity C
Female to Female

Cassettes and LC jumpers removed

40G Channel

Example Channel Model

Existing Backbone Fiber Trunk

Part # MJSPLPMF-(XXX)M-B

Part # FR12-5LP(XXX)M-C

Polarity C
Male to Female

MTP Adapter Plate with Opposing Key

Cassettes and LC jumpers removed

Ordering Information:

MJ(X)(X)(X)(X)(X)-XXXX(X)(X)-XX . . . . . .Base 12 MTP PRO 2mm (0.079 in.) jumper

Fibre Type
L = OM3, XGLO 300/125 Multimode Aqua
V = OM4, XGLO 550/125 Multimode Aqua
E = OM4, XGLO 550 50/125 Multimode Erika Violet
A = IS1/IS2, 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 = Foot
M = Meter

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

MTP PRO Activation Tool and PIN Exchangers

Ordering Information:

Part # Description
FT-MA-AT . . . . . . . . . . . . . . . . . . . . Field Termination, MTP PRO, Activation Tool
FT-MA-PE-SME . . . . . . . . . . . . . . . . Field Termination, MTP PRO, Pin Exchanger with SM Elite Pins
FT-MA-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>5L-MM 50/125 (OM3)</td>
<td>0.40</td>
<td>20</td>
<td>XGLO* 300</td>
</tr>
<tr>
<td>5L-MM 50/125 (OM4)</td>
<td>0.40</td>
<td>20</td>
<td>XGLO 550</td>
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</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>
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</tr>
<tr>
<td>5L-MM 50/125 (OM4)</td>
<td>0.20</td>
<td>20</td>
<td>XGLO 550</td>
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</tbody>
</table>

CABLE - OPTICAL AND PHYSICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Fiber Cable Attenuation MAX (db/km)</th>
<th>XGLO 50/125 OM3 (850/1300nm)</th>
<th>XGLO 50/125 OM4 (850/1300nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>LED Bandwidth, MIN (MHz/km)</th>
<th>XGLO 50/125 OM3 (850/1300nm)</th>
<th>XGLO 50/125 OM4 (850/1300nm)</th>
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</thead>
<tbody>
<tr>
<td>1500/500</td>
<td>3500/500</td>
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</table>

<table>
<thead>
<tr>
<th>Effective Modal Bandwidth, MIN (MHz/km)</th>
<th>XGLO 50/125 OM3 (850/1300nm)</th>
<th>XGLO 50/125 OM4 (850/1300nm)</th>
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</thead>
<tbody>
<tr>
<td>2000</td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Cable Outer Jacket, Color (Per TIA-986-D)</th>
<th>XGLO 50/125 OM3 (850/1300nm)</th>
<th>XGLO 50/125 OM4 (850/1300nm)</th>
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</thead>
<tbody>
<tr>
<td>Aqua</td>
<td></td>
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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>MTP</td>
<td>IEC 67754-7</td>
<td>TIA/EIA-604-5</td>
<td>MM-LSZH</td>
<td>MM</td>
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</tbody>
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