40/100G Equipment Cords (MJS)

Regional Availability - Global

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.

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

• 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)
Product Information

10G to 40G Cassette Based Channel Migration

10G Channel

Example Channel Model

10G Channel

Example Channel Model

40G Channel

Example Channel Model

Ordering Information

Base 12 MTP PRO 2mm (0.079 in.) jumper

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 = OS1/OS2, Singlemode Yellow

Jacket Rating
P = Plenum
L = LSOH

Side A MTP (24 Core)
S = Standard Loss
L = Ultra Low Loss

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

Length Unit
F = Feet
M = Meter

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

Side A
M = Male
F = Female

Side B
M = Male
F = Female

MTP PRO Activation Tool and PIN Exchangers

Part # | Description
--- | ---
FT-MP-AT | Field Termination, MTP PRO, Activation Tool
FT-MP-PE-SME | Field Termination, MTP PRO, Pin Exchanger with SM Elite Pins
FT-MP-PE-MME | Field Termination, MTP PRO, Pin Exchanger with MM Elite Pins
Product Information

Connectors - Optical Specifications

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Performance Class</th>
<th>MAX Insertion (db)</th>
<th>MAX Return Loss (db)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multimode OM3</td>
<td>XGLO 300</td>
<td>0.4</td>
<td>0.25</td>
</tr>
<tr>
<td>Multimode OM4</td>
<td>XGLO 550</td>
<td>0.4</td>
<td>0.25</td>
</tr>
<tr>
<td>Singlemode OS2</td>
<td>XGLO</td>
<td>0.6</td>
<td>0.4</td>
</tr>
<tr>
<td>Laser Optimized 50/125</td>
<td>XGLO 300 Ultra Low Loss</td>
<td>0.2</td>
<td>0.15</td>
</tr>
<tr>
<td>Multimode OM4</td>
<td>XGLO 550 Ultra Low Loss</td>
<td>0.2</td>
<td>0.15</td>
</tr>
<tr>
<td>Singlemode OS2</td>
<td>XGLO Ultra Low Loss</td>
<td>0.3</td>
<td>0.2</td>
</tr>
</tbody>
</table>

Cable - Optical and Physical and Specifications

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Multimode 50/125 OM3 (850/1300nm)</th>
<th>Multimode 50/125 OM4 (850/1300nm)</th>
<th>Singlemode XGLO (1310/1383/1550nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiber Cable Attenuation, MAX (dB/km)</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
<td>0.40/0.40/0.30*</td>
</tr>
<tr>
<td>LED Bandwidth, MIN (MHz/km)</td>
<td>1500/500</td>
<td>3500/500</td>
<td>N/A</td>
</tr>
<tr>
<td>Effective Modal Bandwidth, MIN (MHz/km)</td>
<td>2000</td>
<td>4700</td>
<td>N/A</td>
</tr>
<tr>
<td>Cable Outer Jacket, Color (Pre-TIA598-C)</td>
<td>Aqua</td>
<td>Aqua</td>
<td>Yellow</td>
</tr>
</tbody>
</table>

*C XGLO Singlemode fiber meets low water peak specifications per ITU-T G.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>MTP</td>
<td>IEC 61754-7</td>
<td>TIA/EIA-604-5</td>
<td>Green</td>
<td>MM</td>
</tr>
</tbody>
</table>

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