BASE 8 40/100G Equipment Cords
Regional Availability - Global

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)

Multiple Fiber Types
Available in Multimode and Singlemode

Jacket ratings
Available in Plenum, and LSOH

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

Part # GJSPLPFF-(XXX)M-B
Part # GR8MSLP(XXX)M-B
Part # GJSPLPFF-(XXX)M-B
Product Information

10G Cassette-Based Channel Migration To Base 8 10/100G

10G Channel
Example Channel Model

Existing Backbone Fiber Trunk
Part #GR8-5LP(XXX)M-B

Polarity B
Male to Male

Cassettes and LC
jumpers removed

Base 8 40G Channel
Existing Backbone

Part # GJSPLPFF-(XXX)M-B

Polarity B
Female to Female

MTP jumpers added

Example Channel Model
Part # GR8-5LP(XXX)M-B

Polarity B
Male to Male

MTP Adapter Plate
Type-B (Key Up-to-
Key Up/Aligned)

Cassettes and LC
jumpers removed

Ordering Information
Base 8 MTP PRO 2mm (0.079 in.) jumper

Performance
S = Standard Loss
L = Ultra Low Loss

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
M = Male
F = Female

40/100G Equipment Cords

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
## 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></td>
<td></td>
<td>MTP</td>
<td>LC</td>
</tr>
<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 OM3</td>
<td>Laser Optimized 50/125</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Singlemode OS2</td>
<td>XGLO Ultra Low Loss</td>
<td>0.3</td>
<td>0.2</td>
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</tbody>
</table>

## Cable - Optical and Physical and 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>1500/500</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 (Pre-TIA598-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

## 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>Standard Loss SM</td>
<td>Ultra Low Loss SM</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Green</td>
<td>Yellow</td>
</tr>
</tbody>
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