MTP/MPO Trunk Cable Assemblies

Fiber Connections is one of the industry leaders when it comes to MTP/MPO technology. Our R & D staff has developed proprietary termination and polishing techniques that have allowed us to exceed many of the industry standards for these products. We stock many of the common cable and connector configurations which allows us to build and ship your orders quickly. We also excel at customizing these products to suit your specific application. Please contact the sales department for more information.

KEY FEATURES

- RELIABLE FACTORY TERMINATED AND TESTED CONNECTORS
- 100% END FACE GEOMETRY TESTING IS AVAILABLE UPON REQUEST
- INDUSTRY LEADING SUPER LOW INSERTION LOSS VALUES
- CUSTOM CONFIGURATIONS AVAILABLE UPON REQUEST
- COMPATIBLE WITH OTHER MPO CONNECTOR BRANDS
- MANUFACTURED IN NORTH AMERICA FOR QUICK TURN AROUND

Typical Interconnections

- DATA CENTER APPLICATIONS
- BACKBONE INSTALLATIONS
- HORIZONTAL ZONE CABLEING
- HIGH DENSITY CROSS CONNECTS
- DISASTER RECOVERY PROJECTS
- 40G, 100G, QSFP APPLICATIONS
- INDUSTRIAL/HARSH ENVIRONMENT APPLICATIONS
### Ordering Information

**Assembly Type**
- C Cable Assembly (Corning)
- D Cable Assembly (Non-Corning)

**Cable Type**
- H 2mm Mini-Dist (Max 12F)
- J Dual jacket Mini-Dist w/3mm subs
- P SST
- Q Ribbon
- S Loose-tube Figure 8
- U Dual Jacket Mini-Dist w/2mm subs
- V 3mm Mini-Dist Interconnect Max 24F
- W Loose-tube

**Fiber Type**
- 1 OM1
- 2 OS2
- 3 OM2
- 9 OM3
- A OM4

**Fiber Count**
- 6,7
- 6 6F
- 8 8F
- A 12F
- B 16F
- C 18F
- D 24F
- E 32F
- F 36F
- H 48F
- J 60F
- K 72F
- L 96F
- M 144F
- P 216F
- V 288F

**Connector End 1**
- 00 PIGTAIL
- 08 MTP(F) Base 8 Pro
- 0B MTP(F) 24F
- 0D MTP(F) Base 8
- 0F MTP(F) 24F IND
- 0M MTP(M) Base 8
- 0N MTP(M) Base 8 IND
- 0P MTP(M) 12F
- 0Q MTP(M) 12F IND
- 0R MTP(M) 12F Pro

**Fanout Length End 1**
- A 25cm
- B 50cm
- C 100cm
- D 150cm
- E 200cm
- F 300cm
- N NA

**Fanout Length End 2**
- A 25cm
- B 50cm
- C 100cm
- D 150cm
- E 200cm
- F 300cm
- N NA

**Fanout Type End 1**
- 2 2mm
- 3 3mm
- B 3.8mm
- R Flat/Oval (MTP)
- N NA

**Fanout Type End 2**
- 2 2mm
- 3 3mm
- A 2.5mm
- B 3.8mm
- R Flat/Oval (MTP)
- N NA

**Fanout Geometry End 1**
- 0 No Stagger
- 1 Stagger 1
- 2 Stagger 2
- 3 Stagger 3
- 4 Stagger 4
- N NA

**Fanout Geometry End 2**
- 0 No Stagger
- 1 Stagger 1
- 2 Stagger 2
- 3 Stagger 3
- 4 Stagger 4
- N NA

**Connector End 2**
- 00 PIGTAIL
- 08 MTP(F) Base 8 Pro
- 0B MTP(F) 24F
- 0D MTP(F) Base 8
- 0F MTP(F) 24F IND
- 0M MTP(M) Base 8
- 0N MTP(M) Base 8 IND
- 0P MTP(M) 12F
- 0Q MTP(M) 12F IND
- 0R MTP(M) 12F Pro

**Connector Performance**
- E EFG GRADE
- L LOW LOSS
- S STANDARD

**Assembly Polarity**
- A Type A
- B Type B
- C Type C
- D 40G

**Length (Meters)**
- 0 No PK
- 1 PK End B
- 2 PK Both Ends

**Pull Kits**
## Specifications

### Fiber Performance

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>OM1 62.5/125um (850/1300nm)</th>
<th>OM2 50/125um (850/1300nm)</th>
<th>OM3 50/125um (850/1300nm)</th>
<th>OM4 50/125um (850/1300nm)</th>
<th>OS2 8/125um (1310/1550nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attenuation, Max (dB/km)</td>
<td>3.4/1.0</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
<td>0.4/0.3</td>
</tr>
<tr>
<td>Minimum Overfilled Launch (OFL) Bandwidth (Mhz.km)</td>
<td>200/500</td>
<td>700/500</td>
<td>1500/500</td>
<td>1500/500</td>
<td>na</td>
</tr>
<tr>
<td>Minimum Effective Modal Bandwidth (Mhz.km)</td>
<td>220/-</td>
<td>950/-</td>
<td>2000/-</td>
<td>5350/-</td>
<td>na</td>
</tr>
<tr>
<td>Serial 1 Gigabit Ethernet Distance (M)</td>
<td>300/550</td>
<td>750/600</td>
<td>1000/600</td>
<td>1000/600</td>
<td>5000/-</td>
</tr>
<tr>
<td>Serial 10 Gigabit Ethernet Distance (M)</td>
<td>33/-</td>
<td>150/-</td>
<td>300/-</td>
<td>600/-</td>
<td>10000/40000</td>
</tr>
</tbody>
</table>

### Connector Performance

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Multimode</th>
<th>Singlemode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connector Insertion Loss</td>
<td>Standard MTPs: 0.2dB Typical, 0.5dB Maximum</td>
<td>Std MTPs: 0.25 dB Typical, 0.5dB Maximum</td>
</tr>
<tr>
<td></td>
<td>Elite MTPs: 0.17dB Typical, 0.35dB Maximum</td>
<td>Elite MTPs: 0.17dB Typical, 0.35dB Maximum</td>
</tr>
<tr>
<td></td>
<td>Super Low Loss Elite: 0.1dB Typ, 0.2dB Max (OM4 only)</td>
<td></td>
</tr>
<tr>
<td>Connector Return Loss</td>
<td>&gt;20dB</td>
<td>&gt;55dB</td>
</tr>
</tbody>
</table>

### Assembly Performance

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Multimode</th>
<th>Singlemode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>With Outdoor Cable configurations: -40 to +70C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>With indoor Cable configurations: 0 to +70C</td>
<td></td>
</tr>
<tr>
<td>Cable Length</td>
<td>Length as defined in Part Number, XXX meters</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tolerance: &lt;0.5m: +5/-0cm, 0.5 to 1.5m: +10/-0cm, &gt;1.5m: +30/-0cm</td>
<td></td>
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<tr>
<td></td>
<td>Loose tube cables include a transition at one or both ends that is included in the overall length</td>
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</tr>
</tbody>
</table>

Please contact customer service for additional information.
Custom configurations available upon request.
All specifications are subject to change.