Opt-X Enterprise MTP Array Harnesses

APPLICATION
Opt-X Enterprise MTP Array Harnesses are pre-terminated, pre-tested, and can be used to connect 40G and 100G ports from the structured cabling to the active transceivers. Array harnesses can be used in place of cassettes to reduce the number of connections in a 40G or 100G link. Available in OM3, OM4, and OM4+, the harness plugs directly into transceivers that require MPO/MTP® connections at the switch to achieve 100% fiber utilization.

SPECIFICATION
All pre-terminated solution components, including trunks, cassettes, harnesses, brackets, patch panels, and enclosures shall be provided and warranted by a single manufacturer. 12- and 24-fiber MTP connectors are used with array harnesses. Multimode MTP Array Harnesses shall meet an optical connector insertion loss not to exceed 0.70 dB for 8- and 12-fiber harnesses. Harnesses shall be pre-tested with test documentation provided with each assembly.

FEATURES
• Plug-n-play fiber eliminates the need for complicated and craft-sensitive field terminations and splices
• Fiber-on-demand manufacturing and logistics allows Leviton to deliver plug-n-play solutions with significantly reduced lead times
• Pre-terminated MTP-to-MTP connector harnesses are used in conjunction with MTP brackets (Zero-U) or adapter plates
• All assemblies labeled with serial number and length for traceability
• 100% factory tested, with test results included for each assembly
• All harnesses use low-loss MTP connectors
• Boots are color-coded to designate the number of fibers per connector: 2-fiber is aqua and 8-fiber is dark grey

DESIGN CONSIDERATIONS
• For use with Leviton MTP cassettes, panels, and brackets
• For use in connecting directly into 40G or 100G transceivers
• Used in 12-fiber or 24-fiber cabling systems
• Offered in 24-fiber configurations

STANDARDS COMPLIANCE
• ANSI/TIA-568.3-D
• ANSI/TIA-942
• IEEE 802.3ba

WARRANTY INFORMATION
For Leviton product warranties, go to Leviton.com/warranty
### ELECTRONIC FILES
For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.

### Color Codes
| Cable Jackets | 50/125 µm laser optimized | Aqua (OM3, OM4) Violet (OM4+) |
| Connectors | 50/125 µm laser optimized | Aqua |

### MTP Connector Boots
- 8-fiber: Dark gray
- 12-fiber: Aqua

### Fiber Insertion Loss Performance (dB)
- Connector Mated Pairs MAX IL
- 8-fiber: 0.35
- 12-fiber: 0.35

### MTP Lane Assignments for 40/100G

#### 40GBASE-SR4, 8-fiber MTP
- Tx Tx Tx Tx Tx Tx Tx Tx
- Rx Rx Rx Rx Rx Rx Rx Rx

#### 100GBASE-SR10, 2x12-fiber MTPs
- Tx Tx Tx Tx Tx Tx Tx Tx Tx Tx
- Rx Rx Rx Rx Rx Rx Rx Rx Rx Rx

#### 100GBASE-SR10, 24-fiber MTP
- Tx Tx Tx Tx Tx Tx Tx Tx Tx Tx Tx TxTxTxTxTxTxTxTxTxTxTx
- Rx Rx Rx Rx Rx Rx Rx Rx Rx Rx Rx Rx

### Make to order!

#### OPT-X ENTERPRISE MTP ARRAY HARNESS

<table>
<thead>
<tr>
<th>FIBER TYPE</th>
<th>CABLE TYPE</th>
<th>FIBER COUNT</th>
<th>TERMINATION</th>
<th>CABLE LENGTH (FEET)</th>
<th>BREAKOUT LENGTH (INCHES)</th>
<th>POLARITY</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>• OM3 (E)</td>
<td>• Harness</td>
<td>12</td>
<td>FIRST END</td>
<td>3-33</td>
<td>1-48</td>
<td>• MTP Method A (A)</td>
<td>• Core</td>
</tr>
<tr>
<td>• OM4 (F)</td>
<td>• 24</td>
<td>12 F MTP (male) (K)</td>
<td>12 F MTP (female) (L)</td>
<td></td>
<td></td>
<td></td>
<td>Edge</td>
</tr>
<tr>
<td>• OS2 (A)</td>
<td></td>
<td></td>
<td>SECOND END</td>
<td>3-33</td>
<td>1-48</td>
<td>• MTP Method B (Standard) (B)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• MTP Method C (C)</td>
<td></td>
</tr>
</tbody>
</table>

For assistance customizing your Opt-X Unity trunks, please visit leviton.com/configurator or call Tech Support at 800.824.3005.

---

MTP® is a registered trademark of US Conec, Ltd.