**e2XHD Unity MTP® Cassettes**

**APPLICATION**
e2XHD Unity Cassettes come with 12- or 24-fiber MTP® connectors on the back with ultra-low-loss MTP connectivity to support maximum distance and multiple connection points while staying within IEEE Ethernet application limits. The cassette has front LC or MTP connectors to support 10 Gb/s through 400 Gb/s switch port connectivity. The e2XHD Patching System, an easy-to-connect, high-density solution, provides simple termination and improved cable routing for both fiber and copper applications. Cassettes quickly snap-in and pull out of the e2XHD high-density panels, making installation easier than ever. Fiber cassettes are custom configurable and arrive pre-terminated.

**SPECIFICATION**
Multimode cassettes shall meet an optical insertion loss not to exceed 0.35 dB for 12-fiber MTP-to-LC cassettes, 0.50 dB for 24-fiber MTP-to-LC cassettes, 0.55 dB for 12-fiber MTP-to-MTP cassettes, or 0.75 dB for 24-fiber MTP-to-MTP cassettes. Single-mode cassettes shall meet an optical insertion loss not to exceed 0.50 dB for MTP-to-LC cassettes or 0.75 for MTP-to-MTP cassettes. LC adapters shall use and shall provide an option for IP5x-rated internal shutters, compliant with IEC 60529, that open and close automatically with the insertion and removal of an LC Connector. Fiber cassettes shall snap into rear of panel and shall require no tools to remove. Cassettes shall be available in method A, B, C and Universal Polarity. Cassettes shall meet all ANSI/TIA-568.3-D requirements and support IEEE 802.3ba and 802.3bm standards for 10/40/100 GbE.

**COUNTRY OF ORIGIN**
USA

---

**FEATURES**
- Ultra-Low-Loss 12- and 24-fiber MTP Connectors for maximum network design flexibility
- OM3, OM4 or OS2 available for cassettes
- Optional patented internal shutters on LC adapters eliminate the need for dust plugs to reduce waste, speed deployment, and ensure safer installation
- Alignment tabs on panel ensure upright insertion of cassettes
- To remove cassettes from panel, simply pull on back handle
- Custom configurable through Leviton's Make-to-Order program
- MTP adapters swivel to three positions for easier cable routing:

**DESIGN CONSIDERATIONS**
- Panels hold up to 48 duplex fiber channels per rack unit
- Panel accepts up to eight copper and/or fiber cassettes (12-fiber LC-MTP, 24-fiber MTP-MTP), or four 24-fiber LC-MTP
- Fiber cassettes available in 12- or 24-fiber options and work with pre-terminated 12- or 24-fiber MTP trunks
- Leviton 24-fiber connectors have a 20N spring to provide max 0.35dB insertion loss. If mated to another vendor's 24-fiber MPO connector with a 10N spring, performance may result in >0.35dB insertion loss
- 24-F and Legacy 12-F MTP Applications: Method B trunk links require one Core (black front face) and one Edge (white front face) MTP-LC cassette
- 12-F Applications: Universal Polarity MTP-to-LC Cassettes; require method B trunks with one cassette on each end

**STANDARDS COMPLIANCE**
- IEEE 802.3ae, IEEE 802.3ba, IEEE 802.3bm
- ANSI/TIA-568.3-D for performance requirements
- ANSI/TIA-942 data center design guidelines
- ANSI/TIA-604-5 (MTP) and -10B (LC) for connector intermateability
- IEC 60529 IP5x dust protection (LC)

**PERFORMANCE SPECIFICATIONS**

<table>
<thead>
<tr>
<th>FIBER CASSETTE INSERTION LOSS</th>
<th>Multimode</th>
<th>Single-mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-fiber Max IL</td>
<td>0.35</td>
<td>0.50</td>
</tr>
<tr>
<td>24-fiber Max IL</td>
<td>0.50</td>
<td>0.75</td>
</tr>
</tbody>
</table>

---

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

Copyright © 2020 Leviton Manufacturing Co., Inc. All rights reserved. Subject to change without notice. Revised April 2020
PRODUCT SPECIFICATIONS

e2XHD Unity MTP® Cassettes

WARRANTY INFORMATION
For a copy of Leviton product warranties, visit www.leviton.com.

ELECTRONIC FILES
For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.

Leviton Network Solutions
2222 - 222nd St. SE
Bothell, WA 98021-4416

tel 1-800-824-3005
tel +1-425-486-2222
appeng@leviton.com
www.leviton.com

Copyright © 2020 Leviton Manufacturing Co., Inc. All rights reserved. Subject to change without notice.
## 12-FIBER CASSETTES (0.35 dB MAX. IL) — POPULAR CONFIGURATIONS

<table>
<thead>
<tr>
<th>Description</th>
<th>PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OM3, 12-fiber, MTP (male) to LC shuttered (aqua), Universal Polarity</td>
<td>ULE2XHD-E012CSKQDU</td>
</tr>
<tr>
<td>OM4, 12-fiber, MTP (male) to LC shuttered (aqua), Universal Polarity</td>
<td>ULE2XHD-F012CSKQDU</td>
</tr>
<tr>
<td>OM4, 12-fiber, MTP (male) to LC shuttered (heather violet), Universal Polarity</td>
<td>ULE2XHD-F012CSKVDU*</td>
</tr>
</tbody>
</table>

*Please contact Customer Service for quoting this specific configuration

## 24-FIBER CASSETTES (0.50 dB MAX. IL) — POPULAR CONFIGURATIONS

<table>
<thead>
<tr>
<th>Description</th>
<th>PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OM3, 24-fiber, 1x24F MTP (male) to LC shuttered (aqua), Method B Core</td>
<td>ULE2XHD-E024CSHQEBE</td>
</tr>
<tr>
<td>OM3, 24-fiber, 1x24F MTP (male) to LC shuttered (aqua), Method B Edge</td>
<td>ULE2XHD-E024CSHQEBE</td>
</tr>
<tr>
<td>OM4, 24-fiber, 1x24F MTP (male) to LC shuttered (aqua), Method B Core</td>
<td>ULE2XHD-F024CSHVEBC*</td>
</tr>
<tr>
<td>OM4, 24-fiber, 1x24F MTP (male) to LC shuttered (aqua), Method B Edge</td>
<td>ULE2XHD-F024CSHVEBC*</td>
</tr>
<tr>
<td>OS2, 24-fiber, 1x24F MTP (male) to LC shuttered (blue), Method B Core</td>
<td>ULE2XHD-A024CSHLEBC</td>
</tr>
<tr>
<td>OS2, 24-fiber, 1x24F MTP (male) to LC shuttered (blue), Method B Edge</td>
<td>ULE2XHD-A024CSHLEBE</td>
</tr>
</tbody>
</table>

*Please contact Customer Service for quoting this specific configuration

## E2XHD UNITY CASSETTE OPTIONS

- **FIBER TYPE**
  - OM3 (E)
  - OM4 (F)
  - OS2 (A)
- **FIBER COUNT**
  - 8
  - 12
  - 24
- **CONNECTOR TYPE (FRONT)**
  - LC (C)
  - LC shuttered (CS)
  - 8F MTP (female) (M)
  - 8F MTP (male) (N)
- **MTP FIBER COUNT (REAR)**
  - 12F MTP (male) (K)
  - 24F MTP (male) (H)
  - 12F MTP (female) (L)
  - 24F MTP (female) (J)
- **POLARITY**
  - Method A (A)
  - Method B, Core (BC)
  - Method B, Edge (BE)
  - Method C (C)
  - Universal (U)

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