Delivering high-density routing solutions, FlexiBend™ MPO/MTP® Flexible-Boot Cable Assemblies alleviate cable congestion issues with boots designed to allow cable exit in varying positions, from 0 to 90°

Optical cable routing is becoming increasingly difficult for installers to work with when installing hundreds of fibers in dense optical patch panels. Molex’s FlexiBend™ MPO/MTP® Flexible-Boot Cable Assemblies solve this congestion problem and greatly improve cable grooming with the ability to bend and direct fiber in any direction, from straight to 90°, in tight-space configurations like equipment cabinets with doors and high-density racks greatly improving cable grooming.

### Features and Benefits

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bendable strain-relief boots designed to secure any configuration, from straight to 90°</td>
<td>Offer high-density cable routing in tight spaces. Enables orientation of cables to a different position without disconnection. Bend locks in place with internal metal wire</td>
</tr>
<tr>
<td>12- and 24-fiber round cable options</td>
<td>Ideal for use in applications such as QSFP, CXp and CFP modules. Round cable improves routing, bending and handling compared to flat-ribbon cable</td>
</tr>
<tr>
<td>Tested to GR-1435, ISSUE 2 specification</td>
<td>Ensures product performance over multiple bends in various directions</td>
</tr>
<tr>
<td>Singlemode and multimode cables</td>
<td>Provide options for different transmission link distances using OM3, OM4 and OS2 fibers</td>
</tr>
<tr>
<td>Rated up to 25 bends in the 0, 45 and 90° positions</td>
<td>Provides “stay-in-place” boot positioning for greatly improved cable management/grooming off the card face</td>
</tr>
</tbody>
</table>

### Applications

- **Datacom Markets**
  - Hubs
  - Routers
  - Storage
  - Servers
- **Telecom**
  - Central offices
  - OSP
  - Hubs
- **Industrial**
- **Medical**
- **Aerospace and Defense**

*MTP is a registered trademark of US Conec Ltd.*
Specifications

Reference Information
Packaging: Bag
Mates With:
  MPO adapters (Series 106114)
  Active Devices (QSFP, CXP, CFP)
Use With: Any receptacle that needs a MPO cable interface
Designed In: Millimeters
RoHS: Yes - Compliant by Exemption
Halogen Free: Yes

Mechanical
Mating Force:
  12-Fiber Versions: 10N
  24-Fiber Versions: 20N
Durability (min.): 250 cycles – Per Bellcore GR-1435
Insertion Loss (IL) (max.):^:
  12-Fiber, Multimode and Singlemode Fibers — .75dB
  24-Fiber, Multimode and Singlemode Fibers — 1.0dB
Return Loss:
  12 and 24 Fiber,
    Multimode — -20dB
  12 and 24 Fiber,
    Singlemode — -55dB

^Note: lower IL options are available for low-loss and elite versions; contact Molex for further information

Physical
Housing: Polymer UL94V-0
Ferrule Material: PPS
Operating Temperature: -40 to +80°C
Cable Rating Temperature (Typical):
  -20 to +70°C
Color Options for MPO Housings:
  SM Low Loss — Yellow
  MM OM3/OM4 — Aqua
  SM/APC — Green
  MM — Beige MM — Erika Violet
  MM or SM — Black

Ordering Information

<table>
<thead>
<tr>
<th>Ordering Information</th>
<th>Description</th>
<th>Fiber Type (μm)</th>
<th>Gender</th>
<th>Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Custom – Contact Molex</td>
<td>12 and 24 round cable Series 106260</td>
<td>50/125 62.5/125 9/125μm</td>
<td>Male/Female</td>
<td>Multimode and Singlemode</td>
</tr>
</tbody>
</table>

MTP is a registered trademark of US Conec Ltd.

www.molex.com/link/flexibend.html