**QuickNet™ MTP® Interconnect Cable Assemblies – Plenum (OFNP) Rated**

### Specifications

- RoHS compliant MTP® interconnect cable assemblies shall include one factory-terminated female MTP® 12-fiber connector on each end of laser optimized OM3 fiber and OM4 fiber or OM1, OM2 or OS1 fiber. Jacketed cable is compliant with NFPA 262 (OFNP) flame rating. MTP® interconnect cable assemblies shall meet or exceed the requirements of TIA/EIA-568-B.3. The MTP® 12-fiber connector shall exceed the requirements of TIA/EIA-455-21A for 500 mating cycles. The MTP® connector finishing process shall deliver uniform fiber height, low insertion loss and excellent return loss performance across the 12-fiber interface.

### Technical Information

**Standards requirements:**

- MTP® connector exceeds TIA/EIA-455-21A: 1000 mating cycles (multimode) and 500 mating cycles (singlemode)
- Compliant with: TIA/EIA-568-B.3 and ISO/IEC 11801
- IEC-61754-7 (International)
- TIA-604-5 (FOCIS-5)
- NFPA 262 (OFNP) flame rating

**Insertion loss:** Per mated pair: 0.50dB typical; 0.75dB max. (multimode and singlemode)

**Return loss:** 20dB min. (multimode); 26dB min. (10Gig™ multimode); 55dB min. (singlemode)

### Key Features and Benefits

- **High-density 12-fiber ribbon cable:** Enables an easy and well organized high-density installation with design flexibility and lower installation costs
- **Plenum rated jacket:** Meets NFPA 262 (OFNP) flame rating for standard compliant safety
- **MTP® 12-fiber connector:** Easily connects network segments to reduce deployment time, improve reliability, and make maintenance easier
- **FOCIS-5 compliant and backward compatible:** Assures performance with existing compliant MPO devices for cost effective integration
- **MTP® mechanical design:** Precision plug yields lower average insertion loss for improved optical performance
- **Proprietary polishing process:** Unique MTP® connector termination enhancements deliver uniform fiber height across the 12-fiber interface
- **Variety of fiber cable configurations:** Supports 10 GbE, multimode, and singlemode applications for design flexibility

### Certified 10 GbE Performance

- 10Gig™ MTP® Interconnect Cable Assemblies are tested per IEEE 802.3ae 10 GbE to support network transmission speeds up to 10 Gb/s for link lengths up to 300m for OM3 and up to 500 meters for OM4 at 850nm to assure high performance and reliability

### Test data supplied with each cable assembly

- Establishes a performance reference to streamline maintenance and troubleshooting

### Applications

The QuickNet™ MTP® Interconnect Cable Assembly is a component of the QuickNet™ Fiber Optic Cabling System. Pre-terminated 12-fiber MTP® interconnect cable assemblies are used in high-density network applications to interconnect pre-terminated cassettes in main distribution, horizontal distribution, and equipment distribution areas. The QuickNet™ System meets the demands of Gigabit Ethernet, 10 Gigabit Ethernet, and high speed Fibre Channel systems while maintaining compatibility with Ethernet, Fast Ethernet, FDDI and ATM. The high-density modular design fits into Opticom® QuickNet™ Rack Mount Fiber Cassette Enclosures to ensure efficient use of space and rapid network deployment.

### Contact Information

www.panduit.com
The following base part number can be used for all QuickNet™ MTP* Interconnect Cable Assemblies (OFNP) by substituting 1 the required fiber type for ^, and 2 the required length in meters for ‡.

**Example:** FX12D5-5M30Y = QuickNet™ 10Gig™ OFNP MTP* Interconnect Cable Assembly OM3 – 10 GbE 50/125μm, female MTP* connectors on both ends, 30m in length.

**Note:** All QuickNet™ MTP* Interconnect Cable Assemblies follow Method ‘A’ polarity per TIA/EIA-568-B.1-7 (key up, key down, straight through).

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Cable Type and Color</th>
<th>Connector Type and Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>FZ12D5-5M‡</td>
<td>Multimode plenum rated OM4 (10Gig™ 50/125μm) 12-fiber ribbon cable – aqua. OD: 5mm x 2.5mm</td>
<td>Multimode female MTP* – electric ivory with black boots.</td>
</tr>
<tr>
<td>FX12D5-5M/Y</td>
<td>Multimode plenum rated OM3 (10Gig™ 50/125μm) 12-fiber ribbon cable – aqua.</td>
<td>Multimode female MTP* – electric ivory with black boots.</td>
</tr>
<tr>
<td>F512D5-5M/Y</td>
<td>Multimode plenum rated OM2 (50/125μm) 12-fiber ribbon cable – orange.</td>
<td>Multimode female MTP* – electric ivory with black boots.</td>
</tr>
<tr>
<td>F912D5-5M/Y</td>
<td>Singlemode plenum rated OS1 (9/125μm) 12-fiber ribbon cable – yellow.</td>
<td>Singlemode female MTP* – green with black boots.</td>
</tr>
</tbody>
</table>

**QuickNet™ Pre-Terminated MTP* Cassettes**

- **FC^24-10Y**
- **FQ^12-10**

**Opticom® QuickNet™ Rack Mount Fiber Cassette Enclosure**

**Opti-Core® Fiber Optic Patch Cords (OFNR)**

- **FCE1U**
- **F^E10-10M/Y**

For more information

Visit us at www.panduit.com

Contact Customer Service by email: cs@panduit.com

or by phone: 800-777-3300 and reference FBSP23

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