QuickNet™ PanMPO™ Round Interconnect Cable Assemblies

**Technical Information**

MPO Interconnect Round Cable Assemblies are pre-terminated 12-fiber cable assemblies that are used in high-density network applications. These interconnect round cable assemblies are used with pre-terminated cassettes in main and horizontal cabling 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. The high-density modular design fits into rack mount fiber cassette enclosures to ensure efficient use of space and rapid network deployment.

**Application**

Interconnect cables are small in diameter, extremely flexible and intended for shorter cable runs. These small cables minimize waste, optimize cable management, speed deployment, and improve flexibility and manageability.

**Construction**

- **Cable type:** 3.0mm indoor round
- **Cable jacket ratings:** Optical Fiber Nonconductive Plenum (OFNP) Low Smoke Zero Halogen (LSZH)
- **Fiber types:** Multimode: OM3 50/125µm OM4 50/125µm
- **Connector types:** End ‘A’ and end ‘B’: PanMPO™ Female or PanMPO™ Male
- **Fiber count:** 12
- **Jacket color:** OM3: Aqua OM4: Aqua
- **Connector types:** End ‘A’ and end ‘B’: PanMPO™ Female or PanMPO™ Male

**Physical Properties**

- **Cable outside diameter (OD):** 3.0mm
- **Minimum bend radius:** 30mm
- **Cable tensile strength:** 220N
- **Flex:** 100 cycles at 4.9N
- **Twist:** 10 cycles at 15N
- **Gender reversal durability:** 50 cycles
- **Polarity reversal durability:** 50 cycles

**Optical Properties**

- **Maximum cable attenuation:** Multimode: 3.5dB/km at 850nm 1.5dB/km at 1300nm
- **Maximum connector insertion loss:** Multimode: 0.50dB
- **Minimum connector return loss:** Multimode: OM3 26dB OM4 26dB

**Environmental Properties**

- **Storage and shipping temperature:** -40°C to 70°C
- **Installation temperature:** 0°C to 40°C
- **Operating temperature:** -10°C to 60°C

**Standards**

Meets or exceeds TIA/EIA-568-C.3, TIA-604-5 (FOCIS-5), TIA/EIA-568-C.1, RoHS Compliant

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Example: FZTRP7N7NANM001 = Fiber OM4, 12-fibers, 3.0mm, plenum rated, PanMPO™ Female to PanMPO™ Female, polarity method A, no pulling eye, 1 meter.

<table>
<thead>
<tr>
<th>Character</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
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<th>11</th>
<th>12</th>
<th>13</th>
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<tbody>
<tr>
<td>Example</td>
<td>F</td>
<td>Z</td>
<td>T</td>
<td>R</td>
<td>P</td>
<td>7</td>
<td>N</td>
<td>7</td>
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</tbody>
</table>

1 – Fiber Product
F = Fiber

2 – Fiber Type
X = OM3 50/125
Z = OM4 50/125

3 – Fiber Count
T = 12-fiber

4 – Cable Type
R = 3.0mm round indoor

5 – Jacket Type
L = Low Smoke Zero Halogen (LSZH)
P = Optical Fiber Nonconductive Plenum (OFNP)

6 – Connector Type End ‘A’
7 = Multimode PanMPO™ Female
8 = Multimode PanMPO™ Male

7 – Connector Variant
N = No variant

8 – Connector Type End ‘B’
7 = Multimode PanMPO™ Female
8 = Multimode PanMPO™ Male

9 – Connector Variant
N = No variant

10 – Construction/Performance
A = Polarity A-Standard IL
B = Polarity B-Standard IL
X = Multimode Polarity A - Optimized IL
Y = Multimode Polarity B - Optimized IL
K = Multimode Polarity A - Ultra Low IL
L = Multimode Polarity B - Ultra Low IL

11 – Other
N = No pulling eye

12 – Unit of Length
F = Feet
M = Meters

13, 14, 15 – Length
1 - 30m (LSZH)
3 - 100ft (Plenum)

QuickNet™ PanMPO™ Interconnect Round Cable Assembly Detail

Other options are available as follows:
Fiber Types: OM1 62.5/125, OM2 50/125, OM3, OM4
Fiber Counts: 12-fiber
Jacket Type: LSZH and Plenum
Construction/Performance: Standard IL, Optimized and Ultra IL for multimode. Polarity (Method) A and Polarity (Method) B.

Please contact Panduit customer service for information on additional part number options.

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information
Visit us at www.panduit.com
Contact Customer Service by email: cs@panduit.com or by phone: 800.777.3300

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