

# 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

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

## optical properties

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

## physical properties

<b>Cable outside diameter (OD):</b>	3.0mm
<b>Minimum bend radius:</b>	30mm
<b>Cable retention strength:</b>	50N
<b>Flex:</b>	100 cycles at 4.9N
<b>Twist:</b>	10 cycles at 15N
<b>Gender reversal durability:</b>	50 cycles
<b>Polarity reversal durability:</b>	50 cycles

## environmental properties

<b>Storage and shipping temperature:</b>	-40°C to 70°C
<b>Installation temperature:</b>	0°C to 40°C
<b>Operating temperature:</b>	-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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## part number

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

<b>Character</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
<b>Example</b>	F	Z	T	R	P	7	N	7	N	A	N	F	0	0	1

### 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

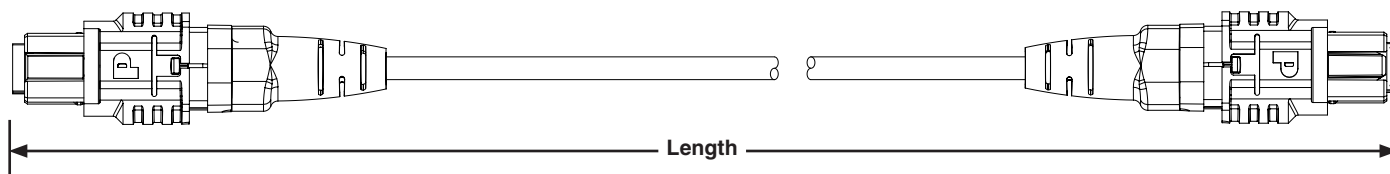
M = Meters

### 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

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