

# 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 tensile strength:</b>	220N
<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

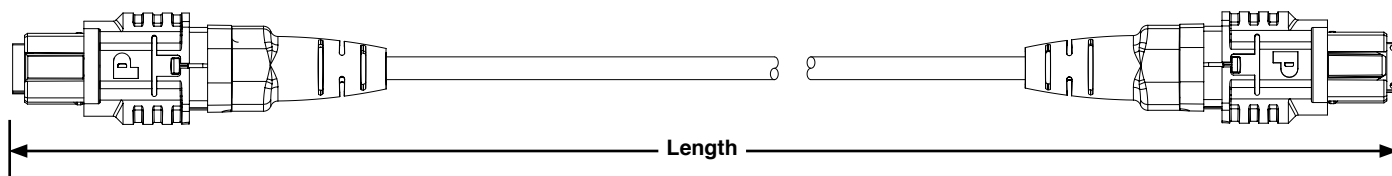
Example: FZTRP7N7NANM001 = Fiber OM4, 12-fibers, 3.0mm, plenum rated, PanMPO™ Female to PanMPO™ Female, polarity method A, no pulling eye, 1 meter.

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

<p><b>1 – Fiber Product</b> F = Fiber</p> <p><b>2 – Fiber Type</b> X = OM3 50/125 Z = OM4 50/125</p> <p><b>3 – Fiber Count</b> T = 12-fiber</p> <p><b>4 – Cable Type</b> R = 3.0mm round indoor</p>	<p><b>5 – Jacket Type</b> L = Low Smoke Zero Halogen (LSZH) P = Optical Fiber Nonconductive Plenum (OFNP)</p> <p><b>6 – Connector Type End ‘A’</b> 7 = Multimode PanMPO™ Female 8 = Multimode PanMPO™ Male</p> <p><b>7 – Connector Variant</b> N = No variant</p> <p><b>8 – Connector Type End ‘B’</b> 7 = Multimode PanMPO™ Female 8 = Multimode PanMPO™ Male</p> <p><b>9 – Connector Variant</b> N = No variant</p>	<p><b>10 – Construction/Performance</b> 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</p> <p><b>11 – Other</b> N = No pulling eye</p> <p><b>12 – Unit of Length</b> F = Feet M = Meters</p> <p><b>13, 14, 15 – Length</b> 1 - 30m (LSZH) 3 - 100ft (Plenum)</p>
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## 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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