

# QuickNet™ MPO Interconnect Round 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

Allows system designers to tailor configuration and reach to application requirements; to minimize waste, optimize cable management, speed deployment, and improve flexibility and manageability for lower installation costs.

## construction

<b>Cable type:</b>	3.0mm indoor
<b>Cable jacket ratings:</b>	Optical Fiber Nonconductive Plenum (OFNP) Low Smoke Zero Halogen (LSZH)
<b>Fiber types:</b>	Singlemode: OS1/OS2 9/125µm Multimode: OM3 50/125µm OM4 50/125µm
<b>Connector types; end 'A':</b>	MPO Female or MPO Male
<b>Fiber count:</b>	12
<b>Jacket color:</b>	OS1/OS2: Yellow OM3: Aqua OM4: Aqua
<b>Connector types; end 'B':</b>	MPO Female or MPO Male

## optical properties

<b>Maximum cable attenuation:</b>	Singlemode: 1.0dB/km at 1310/1550nm Multimode: 3.5dB/km at 850nm 1.5dB/km at 1300nm
<b>Maximum connector insertion loss:</b>	Singlemode: 0.75dB Multimode: 0.50dB
<b>Minimum connector return loss:</b>	Singlemode: 55dB Multimode: OM3 26dB OM4 26dB

## physical properties

<b>Cable outside diameter (OD):</b>	3.0mm
<b>Minimum bend radius:</b>	Under load: 20 x cable OD Static: 10 x cable OD
<b>Cable tensile strength:</b>	220N
<b>Cable compressive load:</b>	35N/cm
<b>Cable flex:</b>	25 cycles
<b>Cable twist:</b>	10 cycles
<b>Connector durability:</b>	500 mating 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>	0°C to 70°C

## standards

Meets or exceeds ISO/IEC 11801, TIA/EIA-568-C.3, TIA-604-5 (FOCIS-5), TIA/EIA-568-C.1  
RoHS Compliant

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## part number

Example: FZTRP5N5NANM001 = Fiber OM4, 12-fibers, 3.0mm, plenum rated, MPO female to MPO 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	5	N	5	N	A	N	M	0	0	1

### 1 – Fiber Product

F = Fiber

### 2 – Fiber Type

9 = OS1/2 9/125

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’

5 = MPO female

6 = MPO male

### 7 – Connector Variant

N = No variant

### 8 – Connector Type End ‘B’

5 = MPO female

6 = MPO male

### 9 – Connector Variant

N = No variant

### 10 – Construction/Performance

A = Polarity A-standard IL

### 11 – Other

N = No pulling eye

### 12 – Unit of Length

F = Feet

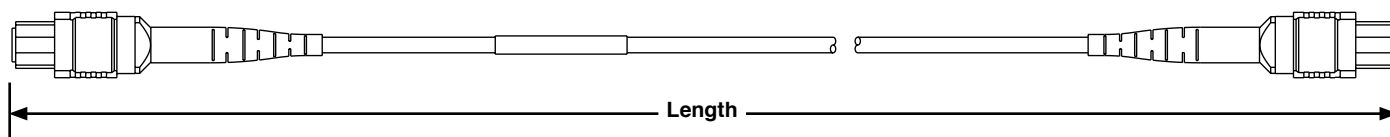
M = Meters

### 13, 14, 15 – Length

1 – 50m

3 – 150 feet

## QuickNet™ MPO Interconnect Round Cable Assembly Detail



Other options are available as follows:

Fiber Types: OM1 62.5/125, OM2 50/125, OM4+ 50/125 Signature Core™

Fiber Counts: 4-fiber, 6-fiber, and 8-fiber

Jacket Type: Dual LSZH/Riser OFNR, Riser OFNR

Construction/Performance: Polarity B – standard IL, Polarity A – optimized IL, Polarity B – optimized IL, Polarity C – optimized IL

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

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