

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

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

optical properties

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

physical properties

Cable outside diameter (OD):	3.0mm
Minimum bend radius:	Under load: 20 x cable OD Static: 10 x cable OD
Cable tensile strength:	22N
Cable compressive load:	35N/cm
Cable flex:	25 cycles
Cable twist:	10 cycles
Connector durability:	500 mating cycles

environmental properties

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

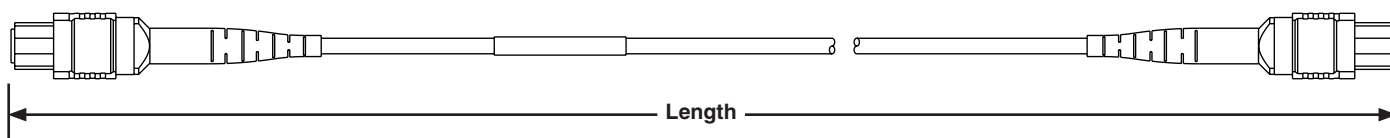
M = Meters

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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<u>FXTRP5N5NANM047</u>	<u>F9TRP5N5NANM029</u>	<u>FXTRP5N5NANF147</u>	<u>FXTRP6N6NANF066</u>	<u>FXTRP5N5NANF135</u>
<u>FXTRP5N5NANF015</u>	<u>FXTRP5N5NANF094</u>	<u>FZTRP5N5NANM044</u>	<u>FXTRP6N6NANF087</u>	<u>FXTRP5N5NANF091</u>
<u>F9TRP5N5NANM046</u>	<u>F9TRP5N5NANM003</u>	<u>FXTRP5N5NANF008</u>	<u>FZTRP5N5NANM009</u>	<u>FZTRP5N5NANM048</u>
<u>FXTRP6N6NANF113</u>	<u>FXTRP5N5NANM027</u>	<u>FXTRP5N5NANF082</u>	<u>FZTRP5N5NANM039</u>	<u>FXTRP5N5NANF009</u>
<u>FXTRP6N6NANF129</u>	<u>FXTRP5N5NANF062</u>	<u>FXTRP6N6NANF034</u>	<u>FXTRP5N5NANF029</u>	<u>FXTRP5N5NANF018</u>
<u>FXTRP5N5NANM050</u>	<u>FXTRP5N5NANF137</u>	<u>FXTRP6N6NANF046</u>	<u>FXTRP5N5NANM017</u>	<u>FZTRP5N5NANM031</u>
<u>F9TRP5N5NANM049</u>	<u>FZTRP5N5NANM011</u>	<u>FXTRP5N5NANF102</u>	<u>FZTRP5N5NANM029</u>	<u>FXTRP6N6NANF097</u>
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<u>FXTRP5N5NANM013</u>	<u>FXTRP6N6NANF125</u>	<u>FXTRP6N6NANF032</u>	<u>FXTRP5N5NANF080</u>	<u>FXTRP6N6NANF042</u>
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<u>FZTRP5N5NANM036</u>	<u>FXTRP5N5NANM039</u>	<u>FXTRP5N5NANF016</u>	<u>FXTRP5N5NANF096</u>	<u>FXTRP5N5NANF055</u>
<u>F9TRP5N5NANM023</u>	<u>FXTRP5N5NANF072</u>	<u>FXTRP6N6NANF084</u>	<u>FXTRP6N6NANF117</u>	<u>F9TRP5N5NANM040</u>
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<u>FZTRP5N5NANM027</u>	<u>FXTRP6N6NANF142</u>	<u>FXTRP6N6NANF144</u>	<u>FXTRP6N6NANF101</u>	<u>FXTRP5N5NANF006</u>
<u>F9TRP5N5NANM012</u>	<u>FXTRP5N5NANM012</u>	<u>FXTRP5N5NANF149</u>	<u>FXTRP6N6NANF068</u>	<u>FXTRP5N5NANM006</u>
<u>FZTRP5N5NANM043</u>	<u>FXTRP5N5NANF026</u>	<u>FXTRP5N5NANM042</u>	<u>FXTRP6N6NANF038</u>	<u>FZTRP5N5NANM006</u>
<u>FXTRP5N5NANF129</u>	<u>FXTRP5N5NANM022</u>	<u>FXTRP6N6NANF091</u>	<u>FXTRP5N5NANF132</u>	<u>FXTRP5N5NANF056</u>
<u>FXTRP6N6NANF018</u>	<u>FXTRP6N6NANF111</u>	<u>FXTRP5N5NANF049</u>	<u>FXTRP6N6NANF051</u>	<u>FXTRP6N6NANF061</u>