

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 |

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 |

physical properties

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

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

QuickNet™ PanMPO™ Round Interconnect Cable Assemblies

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 |

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

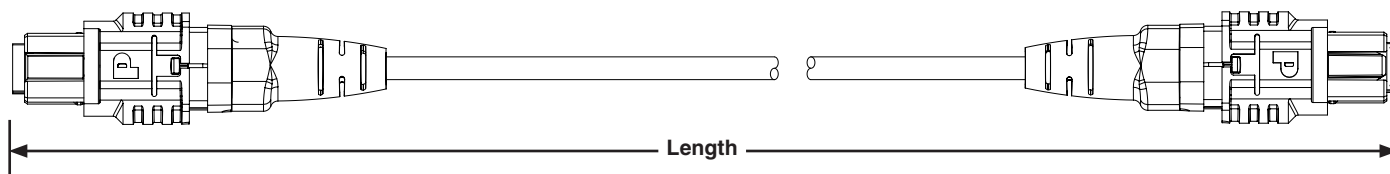
M = Meters

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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