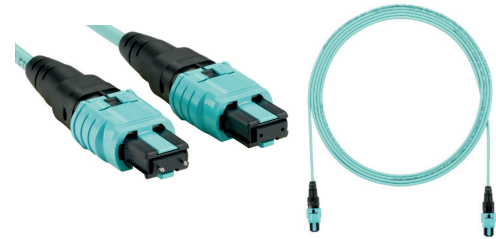


QuickNet™ PanMPO™ Round Interconnect Cable Assemblies

technical information

PanMPO™ Round Interconnect Cable Assemblies are pre-terminated 12-fiber cable assemblies. The unique design of the PanMPO™ Connector allows for rapid gender and polarity change in the field, in support of standards-compliant cable plant migration from 10G cassette-based systems to 40G MPO connector-based parallel optics cable plant. PanMPO™ Interconnect Assemblies meet the demands of 10G Ethernet and higher speed 40G Ethernet and high speed ANSI Fibre Channel systems while maintaining compliance to the recommendations of TIA 568C for both Serial Duplex and Parallel Optics wiring schemes.



application

Method A and Method B TIA-568-C compliant for 40G parallel optics multimode applications. 10G Horizontal cabling systems with cassettes and/or harnesses; Horizontal cabling systems and patch cords for 40G parallel optic multimode systems. In horizontal cabling applications, intended for use in FiberRunner® or equivalent protected pathway. Provides easy migration path from 10G serial to 40G parallel optics for horizontal cabling applications.

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 |

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 |
| Connector durability: | 500 mating cycles* |
| Gender reversal durability: | 50 cycles |
| Polarity reversal durability: | 50 cycles |

optical properties

| | | |
|--|---|---|
| Maximum cable attenuation: | Multimode: | 3.5dB/km at 850nm 1.5dB/km at 1300nm |
| Maximum connector insertion loss: | Standard Multimode: Optimized Multimode: | 0.50dB 0.35dB |
| Minimum connector return loss: | Multimode: | OM3 26dB OM4 26dB |

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

*With proper cleaning and inspection.

QuickNet™ PanMPO™ Round Interconnect Cable Assemblies

part number

Example: FZTRP7N7NANM001 = Fiber OM4, 12-fibers, 3.0mm round indoor, 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 | M | 0 | 0 | 1 |

1 – Fiber Product

F = Fiber

2 – Fiber Type

X = OM3 50/125

Z = OM4 50/125

3 – Fiber Count

T = 12-fibers

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 = PanMPO female

8 = PanMPO male

7 – Connector Variant (end A)

N = No variant

8 – Connector Type End ‘B’

7 = PanMPO female

8 = PanMPO male

9 – Connector Variant (end B)

N = No variant

10 – Construction/Performance

A = Polarity A – standard IL

B = Polarity B – standard IL

X = Polarity A – optimized IL

Y = Polarity B – optimized IL

11 – Other

N = No pulling eye

12 – Unit of Length

F = Feet

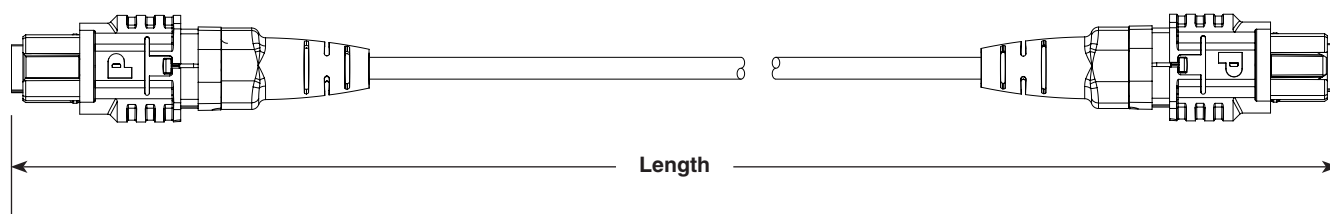
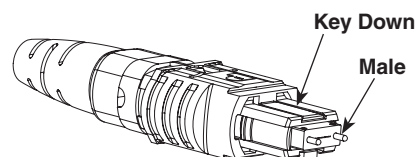
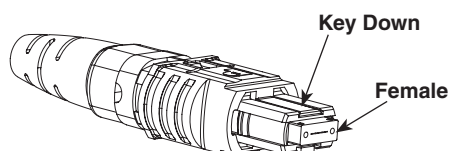
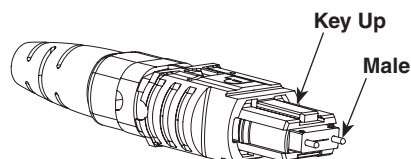
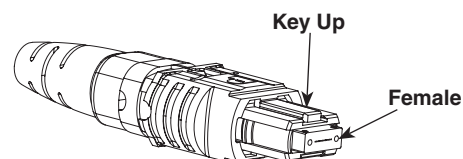
M = Meters

13, 14, 15 – Length

1 – 30m (001-030)

3 – 100 feet (003-100)

cable assembly detail



WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT CANADA
Markham, Ontario
cs-cdn@panduit.com
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
cs-emea@panduit.com
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
cs-ap@panduit.com
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
cs-japan@panduit.com
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
cs-la@panduit.com
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
cs-aus@panduit.com
Phone: 61.3.9794.9020

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information

Visit us at www.panduit.com

Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

PANDUIT®

©2013 Panduit Corp.
ALL RIGHTS RESERVED.
FBSP76--WW-ENG
6/2013