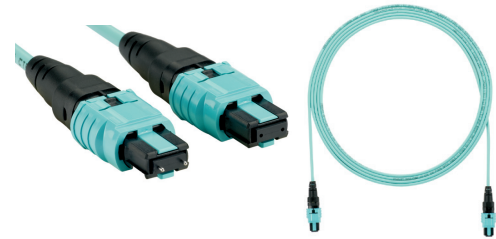


QuickNet™ PanMPO™ Round Interconnect Cable Assemblies

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

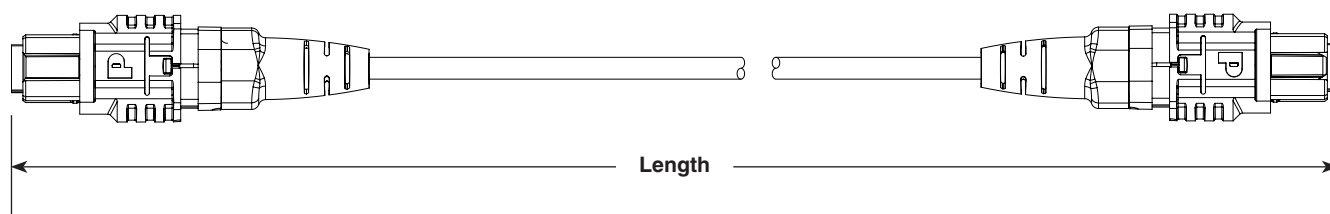
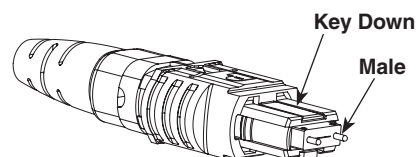
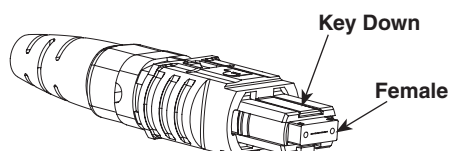
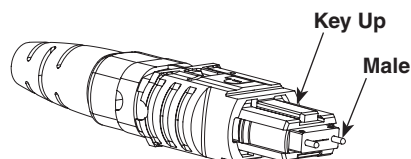
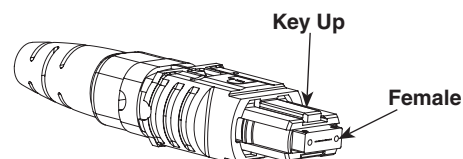
M = Meters

13, 14, 15 – Length

1 – 30m (001-030)

3 – 100 feet (003-100)

cable assembly detail



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