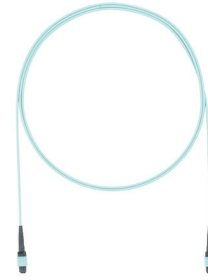# QuickNet™ MPO Interconnect Assemblies

technical information

MPO interconnects are pre-terminated 8-fiber or 12-fiber cable assemblies that are used in high-density, high-bandwidth network applications. The small diameter and flexibility of MPO interconnects make them ideal for connecting directly to MPO-based transceivers on network servers, switches, and SAN controllers. MPO interconnects are typically deployed as a direct connection between active equipment, from active equipment to cassette or fiber adapter panel (FAP), and between two MPO-LC cassettes in high-density networks.

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
Cable jacket ratings:	Low Smoke Zero Halogen (LSZH)
Fiber types:	Singlemode: OS2 9/125µm Multimode: OM3 50/125µm OM4 50/125µm
Connector types; end 'A':	MPO Female or Male PanMPO Female or Male
Fiber count:	8, 12
Jacket color:	OS2: Yellow OM3: Aqua OM4: Aqua
Connector types; end 'B':	MPO Female or Male PanMPO Female or Male

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

optical properties

Maximum cable attenuation:	Singlemode: 1.0dB/km at 1310/1550nm Multimode: 3.0dB/km at 850nm 1.5dB/km at 1300nm
Maximum connector insertion loss:	Singlemode: 0.75dB Multimode: 0.35dB
Minimum connector return loss:	Singlemode: 55dB 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:	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

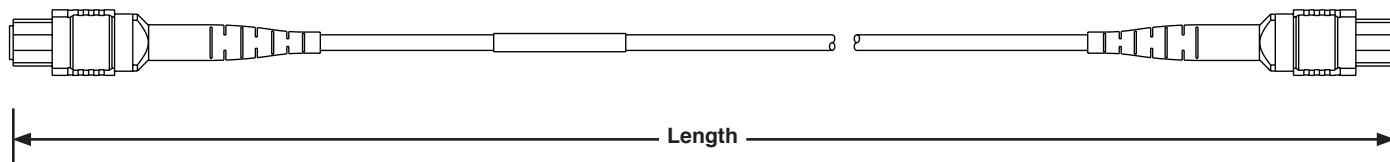# QuickNet™ MPO Interconnect Assemblies

part number

FZTQL5N5NXNM001 = Fiber, OM4, 12-fiber, 3.0 mm, LSZH, MPO female to MPO female, Polarity A Optimized IL, 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	Q	L	5	N	5	N	X	N	M	0	0	1

1 – Fiber Product
F = Fiber

2 – Fiber Type
9 = OS2 9/125
X = OM3 50/125
Z = OM4 50/125

3 – Fiber Count
8 = 8-fiber
T = 12-fiber

4 – Cable Type
Q = 3.0mm round indoor

5 – Jacket Type
L = Low Smoke Zero Halogen (LSZH)

6 – Connector Type End 'A'
5 = 12f MPO Female
6 = 12f MPO Male
7 = 12f PanMPO Female
8 = 12f PanMPO Male
G = 8f MPO Female
H = 8f MPO Male
J = 8f PanMPO Female
K = 8f PanMPO Male

7 – Connector Variant
N = No variant

8 – Connector Type End 'B'
5 = 12f MPO Female
6 = 12f MPO Male
7 = 12f PanMPO Female
8 = 12f PanMPO Male
G = 8f MPO Female
H = 8f MPO Male
J = 8f PanMPO Female
K = 8f PanMPO Male

9 – Connector Variant
N = No variant

10 – Construction/Performance
A = Singlemode Polarity A-Standard IL
X = Multimode Polarity A - Optimized IL
Y = Multimode Polarity B - Optimized IL

11 – Other
N = No pulling eye

12 – Unit of Length
M = Meters

13, 14, 15 – Length
001 to 050

QuickNet™ MPO Interconnect Assembly Detail

Length

For more information

Visit us at www.panduit.com

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

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