

technical information

QuickNet™ 24 Fiber Interconnect Assemblies allow for rapid deployment of high-density permanent links for aggregation of 10G Ethernet and higher speed Fiber Channel Cabling. These cables also facilitate direct attach or structured cabling capability for 100GBASE-SR10 applications and CXP or MXP optics requiring 24 fiber MPO interconnection at the transceiver media device interface. QuickNet™ Pre-Terminated Trunk Cable Assemblies optimize cable routing requirements to ensure efficient use of pathway space and significantly reduce installation time and cost.



application

24F interconnect assemblies support 100GBASE-SR10 transmission and the aggregation of multiple fibers onto a single 24-fiber cable for improved cable management.

construction

Cable jacket ratings:	Low Smoke Zero Halogen (LSZH IEC 60332-1, 60332-3C, 60754-1, 61034-2) Optical Fiber Non Conductive Plenum (OFNP)	
Fiber types:	Multimode: OM3, OM4 Singlemode: OS2	
Connector	24F MPO female 24F MPO male	
Connector color	Multimode PC:	Black and Aqua, with Red Boot
	Singlemode APC:	Black and Yellow with Red Boot
Fiber Count:	24	
Jacket color:	OM3/OM4	Aqua
	OS2	Yellow

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: 26dB

physical properties

Cable outside diameter (OD):	3.6mm
Minimum bend radius:	Under load: 20 x Cable OD Static: 10 x Cable OD
Cable tensile strength:	50 lbf
Cable compressive load:	20 lbf/in
Cable flex:	25 cycles
Connector durability:	500 mating cycles
Cable twist:	10 cycles

environmental properties

Operating temperature:	0 °C to +70 °C (32°F to +158°F)
Storage and shipping temperature:	-40 °C to +70 °C (-40°F to +158°F)
Installation temperature:	0 °C to +60 °C (32°F to +140°F)

standards

Meets or exceeds ISO/IEC 11801, TIA/EIA-568-C.3, TIA-604-5 (FOCIS-5), TIC/EIA-568-C.1, RoHS Complaint

QuickNet™ 24F Interconnect Assemblies

part number

Example: FXURPENENXNF010 = OM3, 24-fiber, round interconnect, OFPN, 24F MPO female, 1m breakout to 24F MPO female, 1m breakout, Multimode, Method A, Optimized IL, 10 feet

CHARACTER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
EXAMPLE	F	X	U	R	P	E	N	E	N	X	N	F	0	1	0

1 – Fiber Product

F = Fiber

2 – Fiber Type

9 = OS1/OS2 9/125µm
 X = OM3 10Gig™ 50/125µm
 Z = OM4 10Gig™ 50/125µm

3 – Fiber Count

U = 24-fiber

4 – Cable Type

R = Round interconnect

5 – Jacket Type

L = Low Smoke Zero Halogen (LSZH)
 P = Optical Fiber Non Conductive Plenum (OFNP)

6 – Connector Type (end A)

E = 24F MPO female
 F = 24F MPO male

7 – Connector Variant

N = No variant

8 – Connector Type (end B)

E = 24F MPO female
 F = 24F MPO male

9 – Connector Variant

N = No variant

10 – Construction/Performance

A = Singlemode, Method A, Standard IL
 X = Multimode, Method A, Optimized IL
 Y = Multimode, Method B, Optimized IL

11 – Other

N = No Pulling Eye

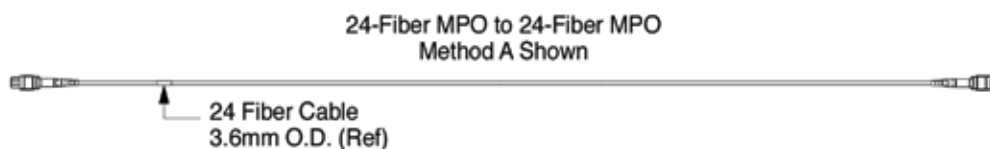
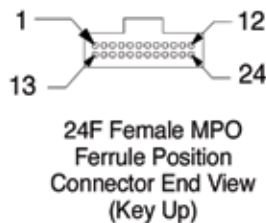
12 – Unit of Length

M = Meters (LSZH)
 F = Feet (Plenum)

13, 14, 15 – Cable Assembly Length

1 - 30 meters (LSZH)
 3 - 100 feet (Plenum)

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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

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