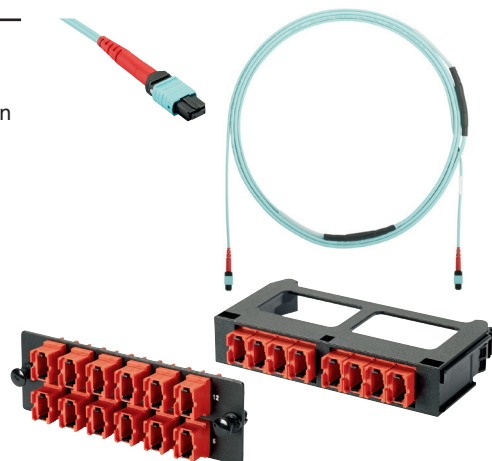


# QuickNet™ 100G MPO Trunk Cable Assemblies and Adapter Panels

## technical information

QuickNet™ 24 Fiber MPO Pre-Terminated Trunk Cable Assemblies allow for rapid deployment of high-density permanent links for aggregation of 10G Ethernet and higher speed Fiber Channel Cabling. These cables and adapter panels 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. QuickNet™ Pre-Terminated Trunk Cable Assemblies are built with modular 24 fiber MTP\* connectivity and provide compatibility, flexibility and system performance in cabling applications requiring a TIA-FOCIS 5 compliant 24 fiber MPO interface at a cabling bulkhead adapter or transceiver receptacle interface. All Panduit® QuickNet™ Trunk Cable Assemblies are factory terminated and tested to deliver verified optical performance and reliability for improved network integrity. These trunk assemblies, when deployed in a channel, provide 40 Gb/s and 100 Gb/s network performance up to 100meters for OM3 and up to 125 meters for OM4 (per the IEEE 802.3ba 40/100 GbE Ethernet standard) while maintaining compatibility with legacy Ethernet and all ANSI Fibre Channel applications.



## application

Allows system design of efficient structured cabling systems in support of 100 Gb/s Ethernet Interconnects (IEEE 802.3ba Clause 86) and 10x10 Gb/s Ethernet Interconnects (802.3ae Clause 52) for Data Aggregation and Super High Density Cabling that service Datacom/Telecom Switch and Router Connections.

## construction

<b>Cable type:</b>	Indoor Small Diameter Trunk
<b>Cable jacket ratings:</b>	Low Smoke Zero Halogen (LSZH IEC 60332-1, 60332-3C, 60754-1, 61034-2) Optical Fiber Non Conductive Plenum (OFNP)
<b>Fiber types:</b>	Multimode: OM3, OM4 Singlemode: OS1/OS2
<b>Connector types end 'A':</b>	24-fiber: MPO female, MPO male
<b>Connector color end 'A':</b>	Multimode PC: Black and Aqua Singlemode APC: Black and Yellow
<b>Fiber Count:</b>	24
<b>Polarity:</b>	MPO-MPO: Method A
<b>Jacket color:</b>	OM3/OM4 Aqua OS1/OS2 Yellow
<b>Connector types end 'B':</b>	24-fiber: MPO female, MPO male
<b>Connector color end 'B':</b>	Multimode PC: Black and Aqua Singlemode APC: Black and Yellow

## optical properties

<b>Maximum cable attenuation:</b>	Singlemode: 1.0dB/km at 1310/1550nm Multimode: 3.5dB/km at 850nm 1.5dB/km at 1300nm
<b>Maximum connector insertion loss:</b>	Singlemode: 0.75dB Multimode: 0.50dB
<b>Minimum connector return loss:</b>	Singlemode: 55dB Multimode: 26dB

## physical properties

<b>Cable outside diameter (OD):</b>	5.4mm
<b>Minimum bend radius:</b>	Under load: 20 X Cable OD Static: 10 x Cable OD
<b>Cable tensile strength:</b>	660N
<b>Cable compressive load:</b>	10 N/mm
<b>Cable flex:</b>	25 cycles
<b>Connector cable retention:</b>	50N
<b>Connector durability:</b>	500 mating cycles
<b>Breakout outside diameter:</b>	3.0mm
<b>Transition outside diameter:</b>	10mm
<b>Pulling eye diameter:</b>	23mm
<b>Cable twist:</b>	10 cycles
<b>Breakout length:</b>	1m

## environmental properties

<b>Operating temperature:</b>	0 °C to +70 °C (32°F to +158°F)
<b>Storage and shipping temperature:</b>	-40 °C to +70 °C (-40°F to +158°F)
<b>Installation temperature:</b>	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

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## part number

Example: FXUYLEEEAAM030 = OM3, 24-fiber, indoor small diameter trunk cable, LSZH, 24F MPO female, 1m breakout to 24F MPO female, 1m breakout, Polarity A, pulling eye on end A, 30 meters

CHARACTER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
EXAMPLE	F	X	U	Y	L	E	E	E	E	A	A	M	0	3	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

Y = Indoor small diameter trunk cable

### 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

E = 1m breakout

### 8 – Connector Type (end B)

E = 24F MPO female

F = 24F MPO male

### 9 – Connector Variant

E = 1m breakout

### 10 – Construction/Performance

A = Polarity A, standard IL

B = Polarity B, standard IL

### 11 – Other

A = Pulling eye end A

C = Pulling eye both ends

### 12 – Unit of Length

M = Meters

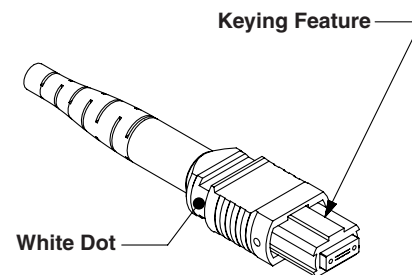
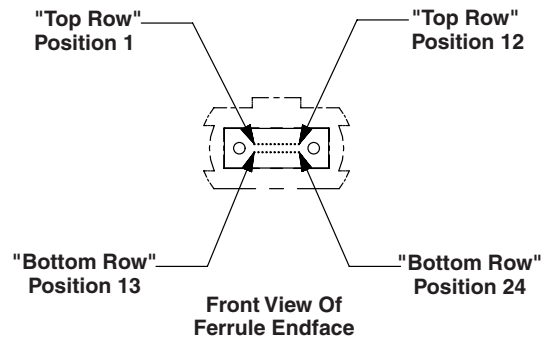
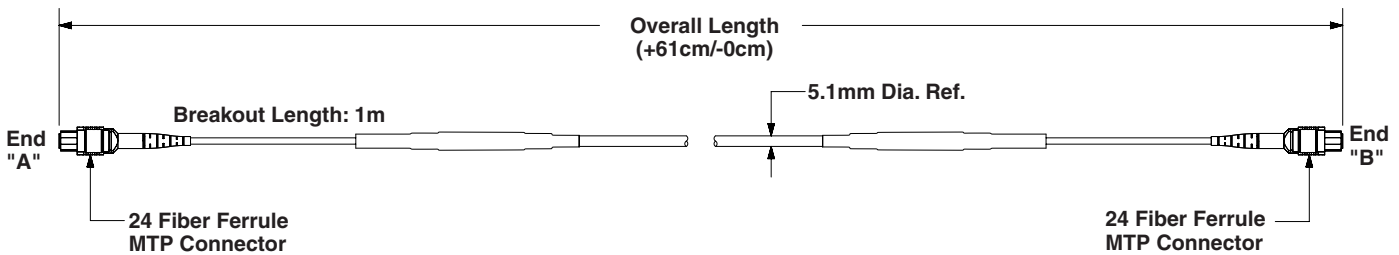
F = Feet

### 13, 14, 15 – Cable Assembly Length

005 to 100m in increments of 5m

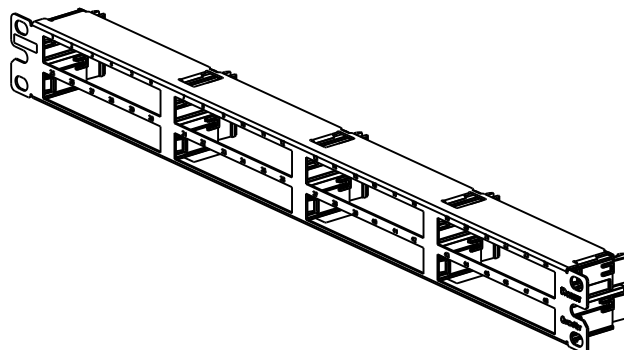
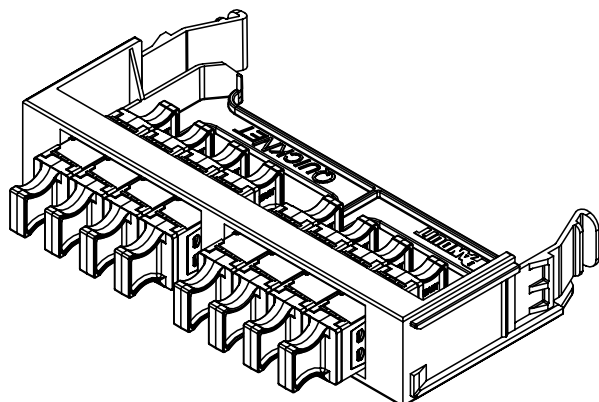
020 to 300 ft. in increments of 10 ft.

# QuickNet™ 100G MPO Trunk Cable Assemblies and Adapter Panels



# QuickNet™ 100G MPO Trunk Cable Assemblies and Adapter Panels

## QuickNet™ 100G MPO Fiber Adapter Panels



### QuickNet™ 100G MPO Fiber Adapter Panels (FAPs) and QuickNet™ Patch Panels

<b>QuickNet™ 100G MPO Fiber Adapter Panels (FAPs)</b> SFQ FAPs with Type A MPO Adapters (key-up/key-down)	FQMAP45RD, FQMAP65RD FQMAP85RD
<b>QuickNet™ Patch Panels</b>	QPP24BL, QAPP24BL, QPP48HDBL, QAPP48HDBL
<b>Opticom® Fiber Adapter Panels (FAPs) and Opticom® Patch Panels</b>	
<b>Opticom® Fiber Adapter Panels (FAPs)</b> FAPs with Type A MPO Adapters (key-up/key-down)	FAPH0424RDMPO, FAPH0624RDMPO, FAPH0824RDMPO FAPH1224RDMPO, FAPH1624RDMPO, FAPH1824RDMPO FAPV0424RDMPO, FAPV0624RDMPO, FAPV0824RDMPO
<b>Opticom® Patch Panels</b>	CFAPPBL1 CFAPPBL1A CFAPPBL2 CFAPPBL2A

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