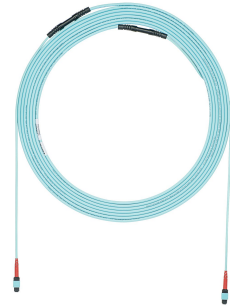


# QuickNet™ 24F MPO Trunk Cable Assemblies

## technical information

QuickNet™ 24 Fiber MPO Pre-Terminated Trunk Cable Assemblies allow for rapid deployment of high-density permanent links for aggregation of Ethernet and higher speed Fiber Channel Cabling. These cables 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.



## application

24F MPO trunk assemblies support direct connection and structured cabling of 100GBASE-SR10 links and aggregation of multiple lower-count fiber cables onto a single 24F MPO cable.

## construction

<b>Cable type:</b>	Indoor 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>	24F MPO female 24F MPO male
<b>Connector color end 'A':</b>	Multimode PC: Black and Aqua, with red boot Singlemode APC: Black and Yellow, with red boot
<b>Fiber Count:</b>	24
<b>Polarity:</b>	Method A and Method B
<b>Jacket color:</b>	OM3/OM4 Aqua OS1/OS2 Yellow

## optical properties

<b>Maximum cable attenuation:</b>	Singlemode: 1.0dB/km at 1310/1550nm Multimode: 3.0dB/km at 850nm 1.5dB/km at 1300nm
<b>Maximum connector insertion loss:</b>	Singlemode: 0.75dB Multimode: 0.35dB
<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>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 Compliant

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## part number

Example: FXUYPE5E5XAF050 = OM3, 24-fiber, indoor trunk cable, OFNP, 24F MPO female, HD Flex™ Transition with 1m breakout, 24F MPO female, HD Flex™ Transition with 1m breakout, Multimode, Method A, Optimized IL, pulling eye on end A, 50 feet

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

5 = HD Flex™ Transition with 1m breakout

### 8 – Connector Type (end B)

E = 24F MPO female

F = 24F MPO male

### 9 – Connector Variant

5 = HD Flex™ Transition with 1m breakout

### 10 – Construction/Performance

A = Singlemode, Method A, Standard IL

X = Multimode, Method A, Optimized IL

Y = Multimode, Method B, Optimized IL

### 11 – Other

A = Pulling eye end A

N = No pulling eye

### 12 – Unit of Length

M = Meters (LSZH)

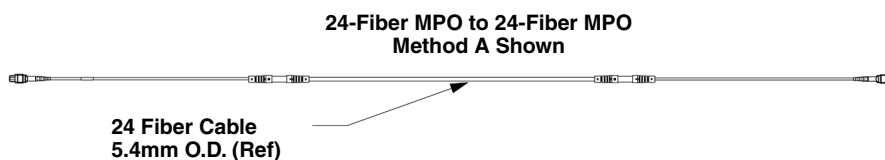
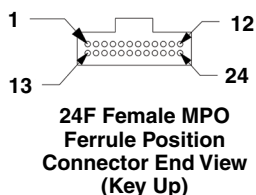
F = Feet (Plenum)

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

3 - 100 Meters (LSZH)

15 - 300 Feet (Plenum)

## QuickNet™ 24F MPO Trunk Cable Assemblies



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