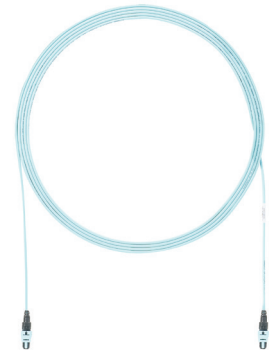


# QuickNet™ 8-Fiber Interconnect Cable Assemblies

## technical information

8-fiber interconnect assemblies are used in high density, high speed network and storage applications. The 8-fiber MPO female connectors are compatible with QSFP fiber modules that employ parallel optics technologies such as 40GBASE-SR4 and 100GBASE-SR4. 8-fiber interconnects can connect (2) QSFP modules directly, or can be used to connect a QSFP port to an MPO-to-LC cassette.



## application

8-fiber interconnects connect to QSFP modules that employ parallel optics technologies such as 40GBASE-SR4 and 100GBASE-SR4.

## construction

<b>Cable type:</b>	3.0mm indoor
<b>Cable jacket ratings:</b>	Optical Fiber Nonconductive Plenum (OFNP) Low Smoke Zero Halogen (LSZH)
<b>Fiber types:</b>	Singlemode: OS1/OS2 9/125µm Multimode: OM3 50/125µm OM4 50/125µm
<b>Connector types:</b>	8F MPO female 8F MPO male 8F PanMPO™ Female Connector 8F PanMPO™ Male Connector
<b>Fiber count:</b>	8
<b>Jacket color:</b>	OS1/OS2: Yellow OM3: Aqua OM4: Aqua

## 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: OM3 26dB OM4 26dB

## physical properties

<b>Cable outside diameter (OD):</b>	3.0mm
<b>Minimum bend radius:</b>	Under load: 20 x cable OD Static: 10 x cable OD
<b>Cable tensile strength:</b>	22N
<b>Cable compressive load:</b>	35N/cm
<b>Cable flex:</b>	25 cycles
<b>Cable twist:</b>	10 cycles
<b>Connector durability:</b>	500 mating cycles

## environmental properties

<b>Storage and shipping temperature:</b>	-40°C to 70°C
<b>Installation temperature:</b>	0°C to 40°C
<b>Operating temperature:</b>	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™ 8-Fiber Interconnect Cable Assemblies

## part number

Character	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Example	F	Z	8	R	P	J	N	J	N	X	N	F	0	0	7

### 1 – Fiber Product

F = Fiber

### 2 – Fiber Type

9 = OS1/2 9/125

X = OM3 50/125

Z = OM4 50/125

### 3 – Fiber Count

8 = 8-fiber

### 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’

G = Singlemode 8F MPO female

H = Singlemode 8F MPO male

J = Multimode 8F PanMPO™ Female Connector

K - Multimode 8F PanMPO™ Male Connector

### 7 – Connector Variant

N = No variant

### 8 – Connector Type End ‘B’

G = Singlemode 8F MPO female

H = Singlemode 8F MPO male

J = Multimode 8F PanMPO™ Female Connector

K - Multimode 8F PanMPO™ Male Connector

### 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

F = Feet (Plenum)

M = Meters (LSZH)

### 13, 14, 15 – Length

3 - 100 Feet (Plenum)

1 - 30 Meters (LSZH)

## QuickNet™ 8-Fiber Interconnect Cable Assembly Detail



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