

QuickNet™ LSZH Trunk Cable Assemblies

specifications

Trunk Cable Assemblies shall allow for rapid deployment of high-density permanent links in a single assembly for data center applications requiring quick infrastructure deployment, such as main, horizontal, and zone distribution areas. These trunk cable assemblies shall optimize cable routing requirements to ensure efficient use of pathway space and significantly reduce installation time and cost. QuickNet™ Trunk Cable Assemblies are built with modular MPO connectivity and provide compatibility, flexibility and system performance in all permanent link applications. All trunk cable assemblies are factory terminated and tested to deliver verified optical performance and reliability for improved network integrity at speeds of 10/25/40/50/100G and beyond.



applications

Allows system designers to tailor configuration, reach and breakout construction to application requirements; to minimize waste, optimize cable management, speed deployment, improve flexibility and manageability for lower installation costs.

constructions

Cable type:	Indoor Trunk	
Cable jacket rating:	Low Smoke Zero Halogen (LSZH)	
Fiber types:	Singlemode:	OS2 9/125µm
	Multimode:	OM3 50/125µm OM4 50/125µm
Connector types end 'A':	12-fiber – MPO Female or Male, 12-fiber – PanMPO™ Female or Male	
Connector types end 'B':	12 fiber – MPO Female or Male, 12 fiber – PanMPO™ Female or Male, Pigtail	
Fiber count:	12, 24, 48, 72, 96, and 144	
Jacket color:	OS2	Yellow
	OM3	Aqua
	OM4	Aqua

optical properties

Maximum cable attenuation:	Singlemode:	0.4dB/km at 1310nm 0.3dB/km at 1550nm
	Multimode:	3.0dB/km at 850nm 1.0dB/km at 1300nm
Maximum connector insertion loss:	Standard Singlemode MPO:	0.75dB
	Optimized Multimode MPO:	0.35dB
	Ultra Multimode MPO:	0.25dB
Maximum connector return loss:	Singlemode:	55dB
	Multimode:	MPO 30dB

physical properties

Cable outside diameter (OD):	12-fiber: 4.5mm	72-fiber: 12.2mm
	24-fiber: 10.3mm	96-fiber: 14.1mm
	48-fiber: 10.3mm	144-fiber: 18.1mm
Cable construction:	250µm Distribution Cable	
Minimum bend radius:	Under load:	20 x Cable OD
	Static:	10 x Cable OD
Cable compressive load:	100 N/mm	
Connector durability:	500 mating cycles*	
Breakout outside diameter:	3.0mm	
Breakout length:	1m	

*With proper cleaning and inspecting.

environmental properties

Operating temperature:	-20°C to +70°C (-4°F to 158°F)
Storage and shipping temperature:	-40°C to +70°C (-40°F to 158°F)
Installation temperature:	-10°C to +60°C (14°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, GR-409-CORE, ICEA S-83-596 RoHS Compliant
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QuickNet™ LSZH Trunk Cable Assemblies

part number configurator

Example: FYXTP77Y001M030 = OM3 12-Fiber Indoor Trunk, LSZH, PanMPO™ Female with 1m breakout to PanMPO™ Female with 1m breakout, Polarity B, Optimized IL, Pulling Eye End A, 30 meters.

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

1 – Fiber

F = Fiber

2 – Cable Type

W = Indoor trunk cable

3 – Fiber Type

9 = OS2 Singlemode 9/125µm

X = OM3 50/125µm

Z = OM4 50/125µm

4 – Fiber Count

T = 12 fibers

U = 24 fibers

W = 48 fibers

X = 72 fibers

Y = 96 fibers

A = 144 fibers

5 – Jacket Type

L = LSZH

6 – Connector Type (End A)

5 = MPO Female

6 = MPO Male

7 = PanMPO™ Female

8 = PanMPO™ Male

7 – Connector Type (End B)

5 = MPO Female

6 = MPO Male

7 = PanMPO™ Female

8 = PanMPO™ Male

U = Pigtail

8 – Construction/Performance

A = Method A, Standard IL (Singlemode)

B = Method B, Standard IL (Singlemode)

X = Method A, Optimized IL

Y = Method B, Optimized IL

K = Method A, Ultra IL

L = Method B, Ultra IL

9 – 11 – Serial

12 – Unit of Measure

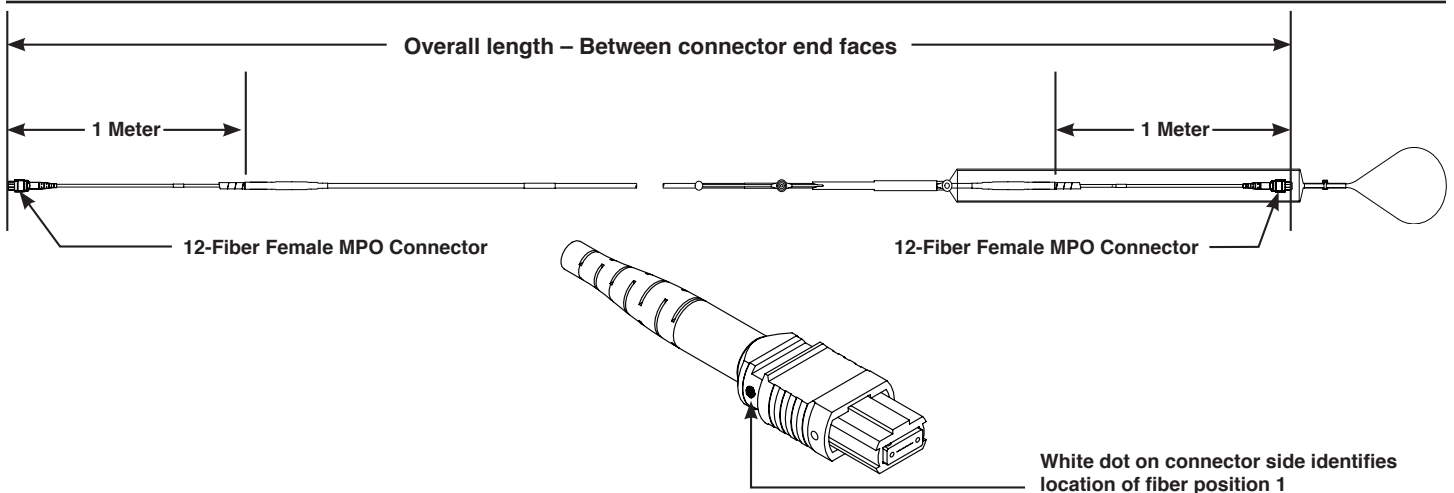
M = Meters

13, 14, 15 – Cable Assembly Length

005 – 400 Meters

Serial	Transition	Pulling Eye
005	Standard	Yes
006	Standard	No
007	Standard to pigtail	Yes

trunk cable assembly detail



Please contact Panduit customer service for information on additional part number options.

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