

## 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.



## 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

## CONSTRUCTION

<b>Cable type:</b>	Indoor Trunk	
<b>Cable jacket rating:</b>	Plenum	
<b>Fiber types:</b>	Singlemode: OS2 9/125µm	Multimode: OM3 50/125µm, OM4 50/125µm
<b>Connector types end 'A':</b>	12-Fiber – MPO Female or Male, 12-Fiber – PanMPO™ Female or Male	
<b>Connector types end 'B':</b>	12-Fiber – MPO Female or Male, 12-Fiber – PanMPO Female or Male	
<b>Fiber count:</b>	12, 24	
<b>Jacket color:</b>	OS2 Yellow, OM3 Aqua, OM4 Aqua	

## PHYSICAL PROPERTIES

<b>Cable outside diameter (OD):</b>	12-fiber: 4.5mm, 24-fiber: 10.3mm	
<b>Cable construction:</b>	250µm Distribution Cable	
<b>Minimum bend radius:</b>	Under load: 20 x Cable OD	Static: 10 x Cable OD
<b>Cable compressive load:</b>	100 N/mm	
<b>Connector durability:</b>	500 mating cycles*	
<b>Breakout outside diameter:</b>	3.0mm	
<b>Breakout length:</b>	1m	

\*With proper cleaning and inspecting

## OPTICAL PROPERTIES

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

## ENVIRONMENTAL PROPERTIES

<b>Operating temperature:</b>	-20°C to + 70°C (-4°F to 158°F)
<b>Storage and shipping temperature:</b>	-40°C to +70°C (-40°F to 158°F)
<b>Installation temperature:</b>	-10°C to + 60°C (14°F to 140°F)

## 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.

# QuickNet™ Plenum Trunk Cable Assemblies

## PART NUMBER CONFIGURATOR

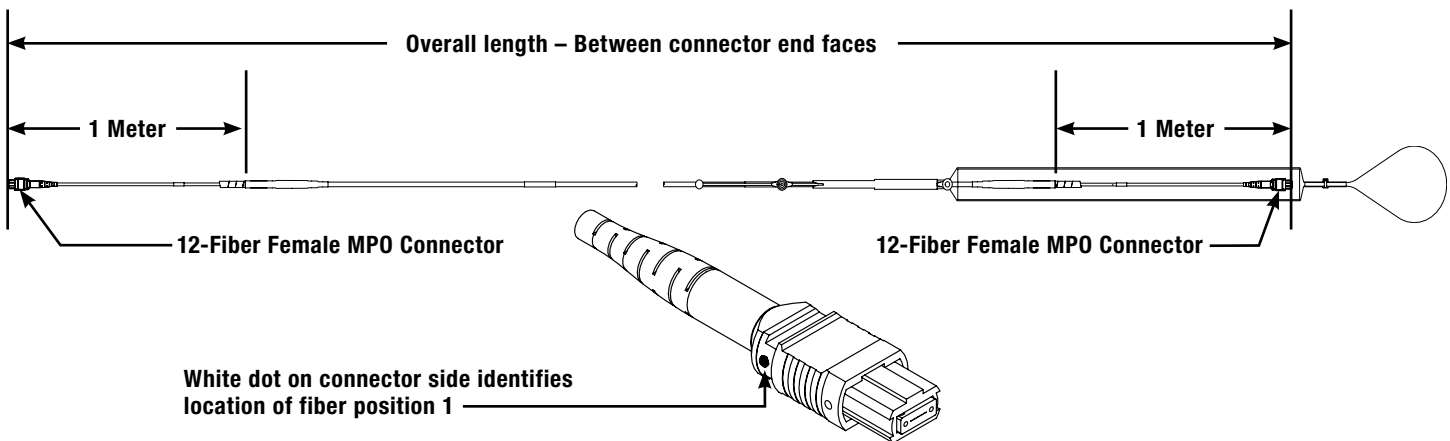
Example: FXUWP7575XNM030 = OM3, 24-fiber indoor trunk, plenum, PanMPO female to PanMPO female, Polarity A, Optimized IL, No pulling eye, 30-feet.

<b>Character</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
<b>Example</b>	<b>F</b>	<b>X</b>	<b>U</b>	<b>W</b>	<b>P</b>	<b>7</b>	<b>5</b>	<b>7</b>	<b>5</b>	<b>X</b>	<b>N</b>	<b>M</b>	<b>0</b>	<b>3</b>	<b>0</b>

<b>1 - Fiber</b>	F = Fiber	<b>8 - Connector Type (End 'B')</b>	5 = Singlemode MPO Female 6 = Singlemode MPO Male 7 = Multimode PanMPO Female 8 = Multimode PanMPO Male
<b>2 - Fiber Type</b>	9 = OS2 9/125µm X = OM3 50/125µm Z = OM4 50/125µm	<b>9 - Connector Variant (End 'B')</b>	N = No variant
<b>3 - Fiber Count</b>	T = 12 fiber U = 24 fiber	<b>10 - Construction/Performance</b>	A = Singlemode Polarity A - Standard IL X = Multimode Polarity A - Optimized IL Y = Multimode Polarity B - Optimized IL
<b>4 - Cable Type</b>	W = Indoor small diameter trunk cable	<b>11 - Other</b>	N = No pulling eye (15 -100 ft., 5 - 30m) A = Pulling eye end A (>100 ft., > 30m)
<b>5 - Jacket Type</b>	P = Plenum (OFNP)	<b>12 - Unit of Length</b>	F = Feet (OFNP) M = Meters (LSZH)
<b>6 - Connector Type (End A)</b>	5 = Singlemode MPO Female 6 = Singlemode MPO Male 7 = Multimode PanMPO Female 8 = Multimode PanMPO Male	<b>13 - Cable Assembly Length</b>	015 - 300 ft., 1 ft. increments to 100 ft., 5 ft. increments to 300 ft. 005 - 100m, 1m increments
<b>7 - Connector Variant (End 'A')</b>	5 = 39" Breakout with transition	<b>14</b>	
		<b>15</b>	

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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