QuickNet™ Fiber Trunk Cable Assemblies

PANDUIT™

technical information

QuickNet™ Trunk Cable Assemblies 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 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 QuickNet™ Trunk Cable Assemblies are factory terminated and tested to deliver verified optical performance and reliability for improved network integrity.

application

Allows system designers to tailor configuration, minimize waste, optimize cable management, speed deployment, and lower installation costs.

construction

Cable type:	Indoor Trunk	
Cable jacket ratings:	Low Smoke Zero Halogen (LSZH) IEC 60332-1 and IEC 60332-3C	
Fiber types:	Singlemode:	OS1/OS2 9/125µm
	Multimode:	OM3 50/125µm
		OM4 50/125µm
Connector types end 'A':	MPO Female or MPO Male	
Connector types end 'B':	MPO Female or MPO Male	
Fiber count:	24	
Polarity:	MPO- MPO:	Method A or Method B
Jacket color:	OS1/OS2	Yellow
	OM3	Aqua
	OM4	Aqua
Connector types, End 'B':	MPO Female or MPO Male	

physical properties

Cable outside diameter (OD):	24-fiber:	4.0mm
Minimum bend radius:	Under load:	20 x Cable OD
	Static:	10 x Cable OD
Breakout outside diameter:	3.0mm	
Cable compressive load:	10 N/mm	
Cable flex:	25 cycles	
Connector cable retention:	50N	
Connector durability:	MPO – 500 mating cycles*	
Cable twist:	10 cycles	
Breakout length:	1m	

optical properties

Maximum cable attenuation:	Singlemode:	0.4dB/km at 1310/1383nm/1550nm
	Multimode:	2.3dB/km at 850nm
		0.6dB/km at 1300nm
Maximum connector insertion loss (per mated pair):	Singlemode:	0.75dB
	Multimode:	0.35dB
Minimum connector return loss:	Singlemode:	55dB
	Multimode:	OM3 30dB minimum
		OM4 30dB minimum

environmental properties

Operating temperature:	0°C to + 70°C (32°F to 158°F)
Storage and shipping temperature:	-40°C to +70°C (-40°F to 158°F)
Installation temperature:	-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, GR-409-CORE, ICEA S-83-596 RoHS Complaint
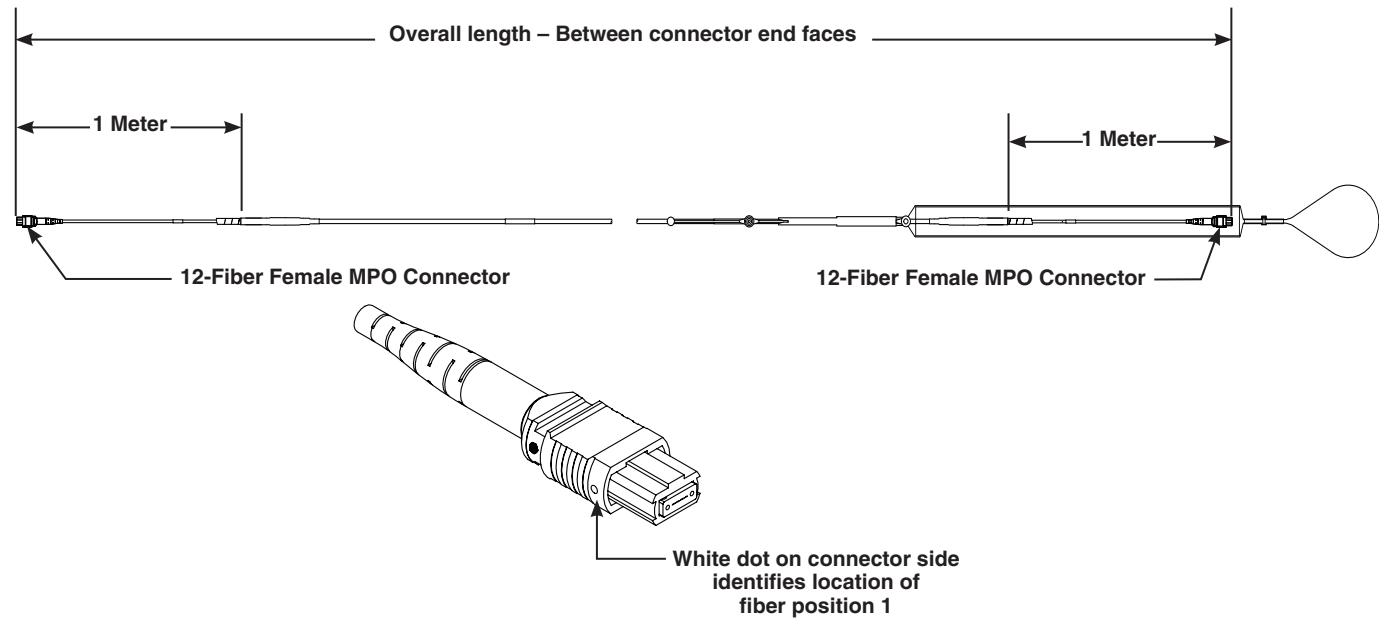
part number

Example: FXUQL5N5NXAM030 = OM3, 24-fiber, indoor trunk cable, LSZH, MPO female to MPO female, polarity A, optimized IL, pulling eye, 30 meters.

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

1 – Fiber
  F = Fiber

2 – Fiber Type
  9 = OS2 9/125µm
  X = OM3 50/125µm
  Z = OM4 50/125µm

3 – Fiber Count
  U = 24 fiber

4 – Cable Type
  Q = Indoor cable

5 – Jacket Type
  L = Low Smoke Zero Halogen (LSZH)

6 – Connector Type (end A)
  5 = MPO female connector
  6 = MPO male connector

7 – Connector Variant
  N = 1m breakout

8 – Connector Type (end B)
  5 = MPO female connector
  6 = MPO male connector

9 – Connector Variant
  N = 1m breakout

10 – Construction/Performance
  A = Singlemode, Polarity Method A, Standard IL
  X = Multimode, Polarity Method A, Optimized IL
  Y = Multimode, Polarity Method B, Optimized IL

11 – Other
  A = Pulling eye end A
  N = No pulling eye

12 – Unit of Length
  M = Meters

13, 14, 15 – Cable Assembly Length
  M = 005 – 500

QuickNet™ Fiber Trunk Cable Assembly detail

Overall length – Between connector end faces

1 Meter

1 Meter

12-Fiber Female MPO Connector

12-Fiber Female MPO Connector

White dot on connector side identifies location of fiber position 1

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

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information
Visit us at www.panduit.com

Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300