QuickNet™ Indoor/Outdoor Riser, Low Smoke Zero Halogen, Euroclass Cca Trunk Assemblies

PANDUIT®

specifications

High Fiber 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. 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.

construction

Cable type:	Indoor/ Outdoor Bend Insensitive Rollable Ribbon
Cable jacket rating:	Multi Rated Riser, Low Smoke Zero Halogen, Euroclass Cca
Fiber types:	Singlemode: OS2 9/125µm
Connector types end 'A':	12F-MPO APC Female or Male
Connector types end 'B':	12F-MPO APC Female or Male, Pigtail
Fiber count:	288, 432, 576 and 864
Jacket color:	OS2 Yellow

optical properties

Maximum cable attenuation:	Singlemode:	0.4dB/km at 1310nm 0.3dB/km at 1550nm
Maximum connector insertion loss:	Standard Singlemode MPO: 0.75dB	
Maximum connector return loss:	Singlemode:	55dB

physical properties

Cable outside diameter (OD):	288 fiber: 864 fiber: 432 fiber: 576 fiber:	12.5mm 19.5mm 15.5mm 17.0mm
Minimum bend radius:	Under load: Static:	40 x Cable OD 288f: 153mm 864f: 305mm 432f: 620mm 576f: 680mm
Cable tensile strength:	2670N (600 lbs.)	
Connector durability:	500 mating cycles*	
Breakout outside diameter:	3.0mm	
Breakout length:	288 fiber:	No Pulling eye 39" Pulling eye MPOs 1-8 32.5" MPOs 9-16 39" MPOs 17-24 45.5"
	864 fiber:	No Pulling eye 39" Pulling eye on blunt end only

*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:	TIA/EIA-568-C.3, Telcordia GR-409/ ICEAS-83-696/ICEA-S-104-696/ ICEA-S-115-730 RoHS Complaint

applications

Allows system designers to consolidate multiple MPO-12 fiber connectors onto a single cable to reduce cable congestion and optimize cable management in large and hyperscale datacenters. The indoor/ outdoor, riser, LSZH, Euroclass Cca cable rating allows a single cable to be used globally while maintaining compliance to regional fire codes.

QuickNet™ Trunk Cable Assemblies

part number

Example: F8RNM5E5EAAM100 = OS2 BISMF, 864 Fiber, I/O Trunk Cable, OFNR/LSZH/Cca, MPO-12 Female to MPO-12 Female, Method A, Standard IL, Pulling Eye, 100 Meters

Character	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Example	F	8	R	N	M	5	E	5	E	A	A	M	1	0	0

1 – Fiber

F = Fiber

2 – Fiber Type

8 = OS2 BISMF 9/125µm

3 – Fiber Count

B = 288-fiber
N = 432-fiber
O = 576-fiber
R = 864-fiber

4 – Cable Type

N = Indoor/Outdoor Trunk

5 – Jacket Type

M = OFNR/LSZH/Cca

6 – Connector Type End "A"

5 = MPO-12 female
6 = MPO-12 male
7 = PanMPO-12 female
8 = PanMPO-12 male

7 – Connector Variant

E = 1m breakout

8 – Connector Type End "B"

5 = MPO-12 female
6 = MPO-12 male
7 = PanMPO-12 female
8 = PanMPO-12 male
N = Pigtail

9 – Connector Variant

E = 1m breakout (MPO only)
N = No breakout (Pigtail only)

10 – Construction/Performance

A = Polarity Method A
B = Polarity Method B
C = Polarity Method C

11 – Other

A = Pulling Eye End "A"
N = Pulling eye on blunt end
(Pigtail only)

12 – Unit of Length

F = Feet
M = Meters

13, 14, 15 – Cable Assembly Length

F = 020 - 999
M = 006 - 300

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