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400G Multimode 50/125 OM4 Plenum Fiber Optic Breakout Cable, 24F MTP/MPO-PC to (x4) LC Duplex (F/M), Aqua, 3 m

MODEL NUMBER: **N846D-03M-24CAQ**









400 GbE Ethernet cable supports high bandwidths necessary for next-generation cloud services, hyperscale data centers and telecom carriers.

Features

400 GbE Cable Supports Higher Bandwidths Needed for Next-Gen Data and Voice Networking
As the amount of traffic in data networks grows, so does the need for next-generation devices and fiber cables to support much higher bandwidths in cloud services, hyperscale data centers, telecom applications and equipment OEM companies. This multimode 50/125 OM4 breakout cable is an ideal choice for 400G Ethernet applications up to 100 meters (at 850 nm). It has documented insertion loss and back reflection testing on every connector and attenuation loss that meets or exceeds current standards.

24-Fiber MTP/MPO Connector Designed for the Latest QSFP-DD Transceivers
The MPO connector has a wide parallel optical interface for use with the latest 400G QSFP-DD transceivers, making this cable an excellent solution for your high-density network application. The MPO connector is the same size as a standard SC connector, but much denser, allowing vertical stacking in switches or patch panels where space is at a premium. Pull tabs make the cable easy to install or remove with one hand. The LC duplex connectors are recommended for high-density feed-through cassettes with no splicing required.

Aqua Jacket Helps Avoid Misidentification That Can Cause Costly Downtime
The OM4-rated cable has an aqua jacket, which is easy to identify quickly in a crowded patch panel or switch and helps prevent the cable from becoming accidentally disconnected. The three-millimeter ruggedized plenum-rated jacket has low smoke and flame characteristics, making it suitable for premise applications in ceilings, walls and ducts.

Highlights

- OM4-rated cable recommended for 400 Gb speeds up to 100 m (@ 850 nm)
- MTP/MPO 24-fiber end designed for next-gen 400G QSFP-DD transceivers
- Connectors tested for low insertion loss and back reflection to ensure top performance
- Plenum rated for horizontal premise applications in air ducts and drop ceilings
- Aqua jacket allows fast, easy identification in a crowded switch or patch panel

Applications

- Connect 400G fiber Ethernet networks in your cloud service, hyperscale data center or telecom application
- Connect 400G Cisco, Arista, Juniper and other network switches through air ducts and drop ceilings

Package Includes

N846D-03M-24CAQ 400G Multimode 50/125 OM4 Fiber Optic Cable, Aqua, 3 m

Specifications

OVERVIEW	
UPC Code	037332258458
Technology	Multimode

Optical Mode	OM4
PHYSICAL	
Cable Jacket Color	Aqua
Connector Color	Aqua; Black; Aqua
Cable Jacket Material	PVC
Cable Jacket Rating	OFNP
Clad Diameter (microns)	125
Core Diameter (microns)	50
Primary Coating Diameter (microns)	245
Number of Fibers	16
Cable Length (ft.)	9.8
Cable Length (m)	2.99
Cable Length (in.)	118.1
Minimum Bend Radius	20MM (Dynamic); 10MM (Static)
ENVIRONMENTAL	
Operating Temperature Range	-4 to 140 °F (-20 to 60 °C)
Storage Temperature Range	-4 to 140 °F (-20 to 60 °C)
Operating Humidity Range	5% to 85% RH, Non-Condensing
Storage Humidity Range	35% to 65% RH, Non-Condensing
COMMUNICATIONS	
Network Compatibility	400 Gbps
Transmission Distance	100M @ 850NM WAVELENGTH
Attenuation @ 850NM	3.0dB/Km
Insertion Loss	MTP/MPO:0.35dB; LC:0.20dB
CONNECTIONS	
Side A - Connector 1	24-STRAND MTP/MPO (FEMALE)
Side B - Connector 1	(8) LC DUPLEX (MALE)
Endface Polish	PC
FEATURES & SPECIFICATIONS	
Push/Pull Tabs	No
Breakout	Yes
Trunk	Yes

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STANDARDS & COMPLIANCE	
Certification & Compliance	RoHS; REACH
WARRANTY	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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