



# 400G Multimode 50/125 OM4 Plenum-Rated Fiber Optic Cable, 24F MTP/MPO-PC (F/F), Aqua, 10 m

#### MODEL NUMBER: N846D-10M-24AAQ









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 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 Connectors Designed for the Latest QSFP-DD Transceivers

The 24F MPO connectors have 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 connectors are the same size as standard SC connectors, 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.

#### 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.

## **Specifications**

OVERVIEW	
UPC Code	037332258403
Technology	Multimode
Optical Mode	OM4
CONNECTIONS	

#### **Highlights**

- OM4-rated cable recommended for 400 Gb speeds up to 100 m (@ 850 nm)
- MTP/MPO 24-fiber ends designed for next-generation 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 ceilin

### Package Includes

N846D-10M-24AAQ 400G Multimode 50/125 OM4 Fiber Optic Cable, Aqua, 10 m





Side A - Connector 1	24-STRAND MTP/MPO (FEMALE)	
Side B - Connector 1	24-STRAND MTP/MPO (FEMALE)	
Endface Polish	PC	
Polarity	Type B (cross)	
1 dianty	Type B (closs)	
PHYSICAL		
Cable Jacket Color	Aqua	
Connector Color	Aqua; Black	
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.)	32.8	
Cable Length (m)	10.00	
Cable Length (in.)	393.7	
Minimum Bend Radius	20 mm (Dynamic); 10 mm (Static)	
Fiber Cable Length	10M (32.8 ft)	
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	3.0 dB/km	
Insertion Loss	0.35 dB	
FEATURES & SPECIFICATIONS		
Push/Pull Tabs	No	
Breakout	No	
Trunk	No	
STANDARDS & COMPLIANCE		





Product Compliance	RoHS; REACH	
WARRANTY & SUPPORT		
Product Warranty Period (Worldwide)	Lifetime limited warranty	

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