

# 40/100/400G Multimode 50/125 OM3 Fiber Optic Cable (12F MTP/MPO-PC F/F), LSZH, Aqua, 2 m (6.6 ft.)

MODEL NUMBER: N844B-02M-12-P









### **Highlights**

- OM3-rated cable recommended for 400 Gb speeds up to 100 meters (@ 1300 nm)
- Backward compatible with 10/25/40/100 Gb networks to facilitate future-proofing
- Aqua LSZH jacket allows fast, easy identification in a crowded switch or patch panel

#### **Package Includes**

N844B-02M-12-P 40/100/400G Multimode 50/125 OM3 Fiber Optic Cable, Aqua, 2 m (6.6 ft.)

40/100/400 GbE Ethernet cable extends high-density connections between network components in enterprise applications in wiring closets, telecom rooms and data centers.

#### **Features**

#### 40/100/400 GbE Cable Supports Higher Bandwidths for High-Density Data Networking

The N844B-02M-12-P is a premium multimode fiber optic cable that supports 400 Gb Ethernet speeds for transmitting data and voice signals over short distances. It is designed to support higher bandwidths for high-density patching between data center MDFs and IDFs in enterprise installations. This multimode 50/125 OM3 cable is an ideal choice for 100 Gb Ethernet applications up to 100 meters (328 feet) at 1300 nm. It is also backward compatible with 10 Gb and 25 Gb networks, so you can future-proof your current application for an eventual upgrade to 100 Gb or 400 Gb.

#### Aqua-Colored Jacket Helps Avoid Misidentification That Can Cause Costly Downtime

The OM3-rated cable has an aqua jacket to identify it as multimode in a crowded patch panel or switch and prevent it from becoming accidentally disconnected. The round low-smoke zero-halogen (LSZH) jacket limits the amount of toxic smoke emitted in case of combustion, making it suitable for poorly ventilated areas. The connectors' slim boot and aqua housing allow easy one-handed installation and removal of the cable.

## **Specifications**

OVERVIEW		
UPC Code	037332272874	
Technology	Multimode	
Optical Mode	OM3	
Mode Type	Multimode	
PHYSICAL		



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Cable Jacket Color	Aqua	
Connector Color	Black	
Cable Jacket Material	LSZH	
Cable Jacket Rating	OFNR	
Cable Outer Diameter (OD)	3.0 mm	
Clad Diameter (microns)	125.0	
Core Diameter (microns)	50.0	
Primary Coating Diameter (microns)	245.0	
Number of Fibers	12	
Cable Length (ft.)	6.56	
Cable Length (m)	2.00	
Cable Length (in.)	78.7	
Minimum Bend Radius	20 mm (Dynamic); 10 mm (Static)	
Fiber Cable Length	2M (6.6 ft)	
ENVIRONMENTAL		
Operating Temperature Range	14° to 140°F (-10° to 60°C)	
Storage Temperature Range	14° to 140°F (-10° to 60°C)	
Operating Humidity Range	5% to 85% RH, Non-Condensing	
Storage Humidity Range	5% to 85% RH, Non-Condensing	
COMMUNICATIONS		
Network Compatibility	40 Gbps; 100 Gbps; 400 Gbps	
Wavelength	1300nm; 850nm	
Attenuation @ 850NM	3.5 dB/km	
Attenuation @ 1300NM	1.5 dB/km	
Insertion Loss	0.35 dB	
CONNECTIONS		
Side A - Connector 1	12-STRAND MTP/MPO (FEMALE)	
Side B - Connector 1	12-STRAND MTP/MPO (FEMALE)	
Endface Polish	PC	
FEATURES & SPECIFICATIONS		
Push/Pull Tabs	No	
Breakout	No	
Trunk	No	



Optical Port	MPO/MTP	
STANDARDS & COMPLIANCE		
	LII 4000	
Product Certifications	UL 1666	
Product Compliance	RoHS; CE (Europe); REACH	
WARRANTY & SUPPORT		
Product Warranty Period (Worldwide)	Lifetime limited warranty	



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