



# 40/100/400G Multimode 50/125 OM3 Fiber Optic Cable (12F MTP/MPO-PC to 4x Duplex LC/PC F/M), LSZH, Aqua, 1 m (3.3 ft.)

MODEL NUMBER: N844X-01M-8L-P











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

#### **Features**

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

The N844X-01M-8L-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 850 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.

#### Switchable LC Connectors Allow Easy Polarity Conversions

The switchable LC/PC duplex ends let you easily switch the fiber polarity without tools or the need to reterminate the connectors. This cable lets you extend the length of your connection and eliminates the need for longer fan-out cables or individual long duplex cable runs.

#### 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.

# **Specifications**

OVERVIEW	
UPC Code	037332272959
Technology	Multimode
Optical Mode	ОМЗ
Mode Type	Multimode

## **Highlights**

- OM3-rated cable recommended for 400 Gb speeds up to 100 meters (@ 850 nm)
- Switchable LC connectors allow polarity conversion without tools or re-termination
- 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**

N844X-01M-8L-P 40/100/400G Multimode 50/125 OM3 Fiber Optic Cable, Aqua, 1 m (3.3 ft.)





CONNECTIONS		
Side A - Connector 1	12F MPO (FEMALE)	
Side B - Connector 1	(4) LC DUPLEX (MALE)	
Endface Polish	PC	
Polarity	Type B (cross)	
PHYSICAL		
Cable Jacket Color	Aqua	
Connector Color	Beige; 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	8	
Cable Length (ft.)	3.28	
Cable Length (m)	1.00	
Cable Length (in.)	39.4	
Minimum Bend Radius	20 mm (Dynamic); 10 mm (Static)	
Fiber Cable Length	1M (3.3 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	MTP/MPO: 0.35 dB; LC: 0.20 dB	
FEATURES & SPECIFICATIONS		
Push/Pull Tabs	No	





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

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