40/100/400G Multimode 50/125 OM3 Fiber Optic Cable (12F MTP/MPO-PC M/F), LSZH, Aqua, 5 m (16.4 ft.)
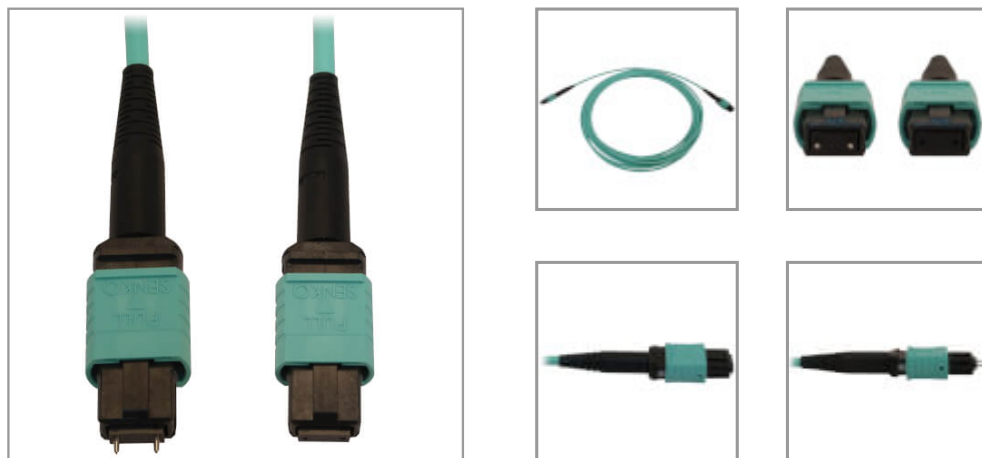
MODEL NUMBER: **N842B-05M-12-MF**

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

N842B-05M-12-MF 40/100/400G Multimode 50/125 OM3 Fiber Optic Cable, Aqua, 5 m (16.4 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 Needed for High-Density Data Networking
The N842B-05M-12-MF 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.

100% Tested for Low Insertion Loss
The factory-terminated 12-fiber MTP/MPO connectors have documented insertion loss testing and attenuation loss that meets or exceeds current standards. The connectors' slim boot and aqua housing allow easy one-handed installation and removal of the cable. With one male and one female connector, this cable lets you extend the length of your connection and eliminates the need for long fan-out cables or individual long duplex cable runs.

Aqua-Colored Jacket Helps Avoid Misidentification That Can Cause Costly Downtime
The N842B-05M-12-MF 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	037332271587
Technology	Multimode
Optical Mode	OM3

Mode Type	Multimode
CONNECTIONS	
Side A - Connector 1	12F MPO (MALE)
Side B - Connector 1	12F MPO (FEMALE)
Endface Polish	PC
Polarity	Type B (cross)
PHYSICAL	
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.)	16.4
Cable Length (m)	5.00
Cable Length (in.)	196.9
Minimum Bend Radius	20 mm (Dynamic); 10 mm (Static)
Fiber Cable Length	5M (16.4 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
FEATURES & SPECIFICATIONS	

Push/Pull Tabs	No
Breakout	No
Trunk	No
Optical Port	MPO/MTP

STANDARDS & COMPLIANCE	
Product Certifications	UL 1666
Product Compliance	RoHS; CE (Europe); REACH

WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Lifetime limited warranty