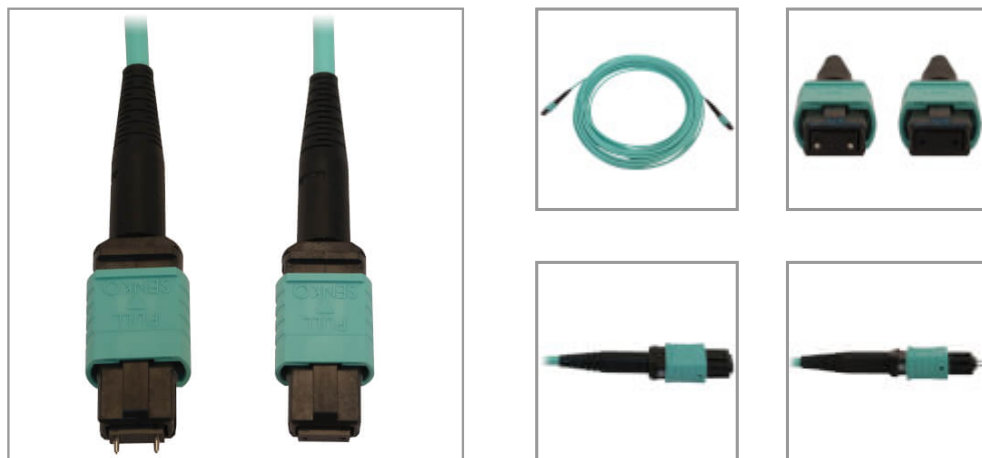


# 40/100/400G Multimode 50/125 OM3 Fiber Optic Cable (12F MTP/MPO-PC M/F), LSZH, Aqua, 10 m (32.8 ft.)

MODEL NUMBER: N842B-10M-12-MF



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-10M-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 IDF's 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 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.

## 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-10M-12-MF 40/100/400G Multimode 50/125 OM3 Fiber Optic Cable, Aqua, 10 m (32.8 ft.)

## Specifications

| OVERVIEW     |              |
|--------------|--------------|
| UPC Code     | 037332271655 |
| Technology   | Multimode    |
| Optical Mode | OM3          |



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|                                      |                                 |
|--------------------------------------|---------------------------------|
| Mode Type                            | Multimode                       |
| <b>CONNECTIONS</b>                   |                                 |
| Side A - Connector 1                 | 12F MPO (MALE)                  |
| Side B - Connector 1                 | 12F MPO (FEMALE)                |
| Endface Polish                       | PC                              |
| Polarity                             | Type B (cross)                  |
| <b>PHYSICAL</b>                      |                                 |
| 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.)                   | 393.7                           |
| Minimum Bend Radius                  | 20 mm (Dynamic); 10 mm (Static) |
| Fiber Cable Length                   | 5M (16.4 ft)                    |
| <b>ENVIRONMENTAL</b>                 |                                 |
| 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    |
| <b>COMMUNICATIONS</b>                |                                 |
| 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                         |
| <b>FEATURES &amp; SPECIFICATIONS</b> |                                 |



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|                                     |                           |
|-------------------------------------|---------------------------|
| Push/Pull Tabs                      | No                        |
| Breakout                            | No                        |
| Trunk                               | No                        |
| Optical Port                        | MPO/MTP                   |
| <b>STANDARDS &amp; COMPLIANCE</b>   |                           |
| Product Certifications              | UL 1666                   |
| Product Compliance                  | RoHS; CE (Europe); REACH  |
| <b>WARRANTY &amp; SUPPORT</b>       |                           |
| Product Warranty Period (Worldwide) | Lifetime limited warranty |

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