# 40/100/400G Multimode 50/125 OM4 Fiber Optic Cable (3x8F MTP/MPO-PC F/F), LSZH, Magenta, 10 m (32.8 ft.)
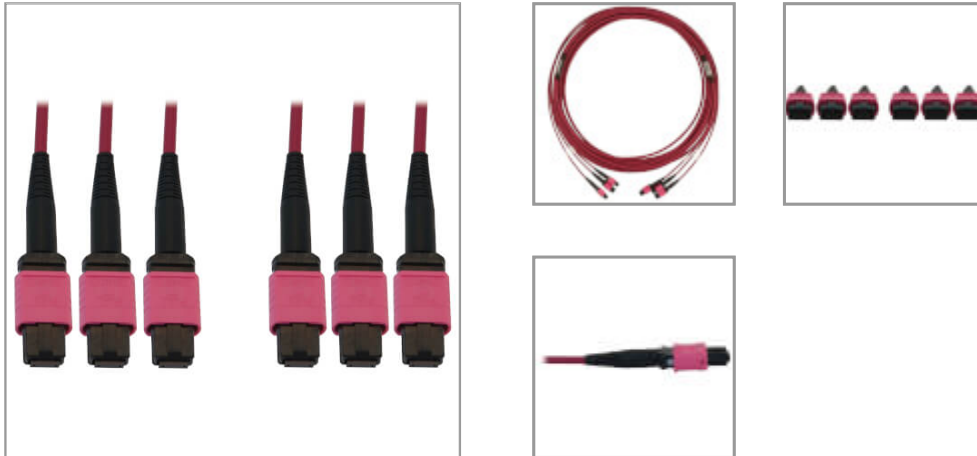
MODEL NUMBER: **N858B-10M-3X8MG**

## Highlights

- OM4-rated cable recommended for 400 Gb speeds up to 100 meters (@ 850 nm)
- Backward compatible with 10/25/40/100 Gb networks to facilitate future-proofing
- Magenta LSZH jacket allows fast, easy identification in a crowded switch or patch panel

### Package Includes

N858B-10M-3X8MG 40/100/400G Multimode 50/125 OM4 Fiber Optic Cable, Magenta, 10 m (32.8 ft.)

400GbE 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 N858B-10M-3X8MG 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 in cloud services, hyperscale data centers, telecom applications and equipment OEM companies. This multimode 50/125 OM4 cable is an ideal choice for 400 Gb Ethernet applications up to 100 meters (328 feet) at 850 nm. It is also backward compatible with 10 Gb, 25 Gb and 40 Gb networks, so you can future-proof your current application for an eventual upgrade to 100 Gb or 400 Gb.

**Magenta-Colored Jacket Helps Avoid Misidentification That Can Cause Costly Downtime**
The OM4-rated cable has a magenta 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 boots and magenta housings allow easy one-handed installation and removal of the cable.

## Specifications

| OVERVIEW | |
|---|---|
| UPC Code | 037332273178 |
| Technology | Multimode |
| Optical Mode | OM4 |
| Mode Type | Multimode |
| **PHYSICAL** | |

| | |
|---|---|
| Cable Jacket Color | Magenta |
| Connector Color | Black; Magenta |
| Cable Jacket Material | LSZH |
| Cable Jacket Rating | OFNR |
| Cable Outer Diameter (OD) | 4.5MM |
| Clad Diameter (microns) | 125.0 |
| Core Diameter (microns) | 50.0 |
| Primary Coating Diameter (microns) | 245.0 |
| Number of Fibers | 24 |
| Cable Length (ft.) | 32.81 |
| Cable Length (m) | 10.00 |
| Cable Length (in.) | 433.1 |
| Minimum Bend Radius | 20MM (DYNAMIC); 10MM (STATIC) |
| **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 | 3.5dB/KM |
| Attenuation @ 1300NM | 1.5dB/KM |
| Insertion Loss | LESS THAN OR EQUAL TO 0.35dB |
| **CONNECTIONS** | |
| Side A - Connector 1 | 12-STRAND MTP/MPO (FEMALE) |
| Side B - Connector 1 | 24-STRAND MTP/MPO (FEMALE) |
| Endface Polish | PC |
| **FEATURES & SPECIFICATIONS** | |
| Push/Pull Tabs | No |
| Optical Port | MPO/MTP |
| Breakout | Yes |
| Trunk | Yes |

| STANDARDS & COMPLIANCE | |
| --- | --- |
| Certifications | RoHS, REACH, CE, UL1666 |
| **WARRANTY** | |
| Product Warranty Period (Worldwide) | Lifetime limited warranty |