

## 100G Multimode 50/125 OM4 Fiber Optic Cable (12F MTP/MPO-PC F/F), LSZH, Magenta, 2 m (6.6 ft.)

MODEL NUMBER: N845B-02M-12-MG



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

### Features

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

As the amount of traffic in data networks grows, so does the need for devices and fiber cables to support higher bandwidths for high-density patching between data center MDFs and IDFs in enterprise installations. This multimode 50/125 OM4 cable is an ideal choice for 100G 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 400 Gb.

#### Magenta 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 allow easy one-handed installation and removal of the cable.

### Highlights

- OM4-rated cable recommended for 100 Gb speeds up to 100 meters (@ 1300 nm)
- Backward compatible with 10/25/40 Gb networks to facilitate future-proofing
- Magenta LSZH jacket allows easy ID in a crowded switch or patch panel

### Package Includes

N845B-02M-12-MG 100G Multimode 50/125 OM4 Fiber Optic Cable, Magenta, 2 m (6.6 ft.)

## Specifications

| OVERVIEW           |                  |
|--------------------|------------------|
| UPC Code           | 037332272249     |
| Technology         | Fiber; Multimode |
| Optical Mode       | OM4              |
| PHYSICAL           |                  |
| Cable Jacket Color | Magenta          |
| Connector Color    | Magenta; Black   |

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| Cable Jacket Material                | LSZH                                 |
| Cable Jacket Rating                  | OFNR                                 |
| Clad Diameter (microns)              | 125.0                                |
| Core Diameter (microns)              | 50.0                                 |
| Primary Coating Diameter (microns)   | 245.0                                |
| Number of Fibers                     | 12                                   |
| Cable Length (ft.)                   | 6.6                                  |
| Cable Length (m)                     | 2.01                                 |
| Cable Length (in.)                   | 39.4                                 |
| Minimum Bend Radius                  | 20 mm (Dynamic); 10 mm (Static)      |
| Fiber Cable Length                   | 2M (6.6 ft)                          |
| <b>ENVIRONMENTAL</b>                 |                                      |
| Operating Temperature Range          | -4° to 140°F (-20° to 60°C)          |
| Storage Temperature Range            | -4° to 140°F (-20° to 60°C)          |
| Relative Humidity                    | 5% to 85% RH, Non-Condensing         |
| <b>COMMUNICATIONS</b>                |                                      |
| Network Compatibility                | 10 Gbps; 40 Gbps; 100 Gbps; 400 Gbps |
| Attenuation @ 850NM                  | 3.5 dB/km                            |
| Attenuation @ 1300NM                 | 1.5 dB/km                            |
| Insertion Loss                       | 0.35 dB                              |
| <b>CONNECTIONS</b>                   |                                      |
| Side A - Connector 1                 | 12-STRAND MTP/MPO (FEMALE)           |
| Side B - Connector 1                 | 12-STRAND MTP/MPO (FEMALE)           |
| Endface Polish                       | PC                                   |
| <b>FEATURES &amp; SPECIFICATIONS</b> |                                      |
| Push/Pull Tabs                       | Yes                                  |
| <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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