

## 100G MTP/MPO Multimode OM4 Plenum-Rated Fiber Optic Cable (F/F), 12 Fiber, 40/100GBASE-SR4, Push/Pull Tabs, Magenta, 2 m

MODEL NUMBER: N845-02M-12-MG



Premium multimode fiber optic cabling for transmitting 40/100 Gb data and voice signals over short distances. Designed for high-density connections between network equipment in telecom rooms and data centers.

### Description

The two-meter N845-02M-12-MG MTP/MPO Multimode Patch Cable supports 40/100 Gb Ethernet speeds and is designed for high-density connections between network equipment in telecommunication rooms and data centers. With two female MTP/MPO connectors, this OM4-rated multimode fiber optic cable is recommended for high-density fiber patching between data center MDFs (main distribution frames) and IDF (intermediate distribution frames). It's colored magenta for instant identification as an OM4 cable. Base-8 Fiber compatible with both QSFP+ 40GBASE-SR4 and QSFP28 100GBASE-SR4 connections. The 12-fiber MTP/MPO connectors are about the same size as SC connectors, but are 12 times denser, freeing up circuit card and rack space for other cables. The cable is tested for low insertion loss and back reflection on every connector and attenuation loss that meets or exceeds current standards. Push/pull tab connectors are easily accessible in high-density data center applications and make the cable easy to install and remove with one hand. The plenum-rated jacket is perfect for connecting high-speed network components in ceilings, walls and ducts.

### Features

#### OM4-Rated for 40/100 Gb Ethernet Applications

- Designed to extend high-density connections between network equipment in telecommunication rooms and data centers
- Base-8 Fiber compatible with both QSFP+ 40GBASE-SR4 and QSFP28 100GBASE-SR4 connections
- Backward compatible with existing 50/125 fiber
- Magenta-colored for identification as an OM4 cable

#### MTP/MPO Connectors with Push/Pull Tabs

- 12-fiber female connectors 12 times denser than SC connectors
- Push/pull tab connectors easy to install and remove with one hand
- 100% tested for low insertion loss and back reflection

#### Error-Free Signal Transfer

### Highlights

- Push/pull tab connectors install/remove with one hand
- 12-fiber MTP/MPO connectors with 12x density of SC connectors
- 100% tested for low insertion loss and back reflection
- Base-8 Fiber compatible with both QSFP+ 40GBASE-SR4 and QSFP28 100GBASE-SR4 connections
- 50/125 OM4-rated multimode fiber
- Magenta color for easy OM4 identification

### Package Includes

- N845-02M-12-MG MTP/MPO Multimode Patch Cable, Magenta, 2 m



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- 50/125 duplex glass fiber construction
- Plenum-rated jacket perfect for ceilings, walls and ducts

## Specifications

| OVERVIEW                        |                                 |
|---------------------------------|---------------------------------|
| UPC Code                        | 037332200273                    |
| Technology                      | Multimode                       |
| Optical Mode                    | OM4                             |
| CONNECTIONS                     |                                 |
| Side A - Connector 1            | 12F MPO (FEMALE)                |
| Side B - Connector 1            | 12F MPO (FEMALE)                |
| Endface Polish                  | PC                              |
| Polarity                        | Type B (cross)                  |
| PHYSICAL                        |                                 |
| Cable Jacket Color              | Magenta                         |
| Connector Color                 | Magenta; Black                  |
| Cable Jacket Material           | PVC                             |
| Cable Jacket Rating             | OFNP                            |
| Clad Diameter (microns)         | 125                             |
| Core Diameter (microns)         | 50                              |
| Number of Fibers                | 12                              |
| Cable Length (ft.)              | 6.6                             |
| Cable Length (m)                | 2.01                            |
| Cable Length (in.)              | 78.7                            |
| Minimum Bend Radius             | 20 mm (Dynamic); 10 mm (Static) |
| Shipping Dimensions (hwd / in.) | 9.00 x 7.00 x 0.50              |
| Shipping Dimensions (hwd / cm)  | 22.86 x 17.78 x 1.27            |
| Shipping Weight (lbs.)          | 0.06                            |
| Shipping Weight (kg)            | 0.03                            |
| Fiber Cable Length              | 2M (6.6 ft)                     |
| ENVIRONMENTAL                   |                                 |
| Operating Temperature Range     | -4° to 140°F (-20° to 60°C)     |
| Storage Temperature Range       | -4° to 140°F (-20° to 60°C)     |



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|                                      |                               |
|--------------------------------------|-------------------------------|
| Operating Humidity Range             | 5% to 85% RH, Non-Condensing  |
| Storage Humidity Range               | 35% to 65% RH, Non-Condensing |
| <b>COMMUNICATIONS</b>                |                               |
| Network Compatibility                | 40 Gbps; 100 Gbps; 400 Gbps   |
| Attenuation @ 850NM                  | 3.0 dB/km                     |
| Insertion Loss                       | 0.35 dB                       |
| <b>FEATURES &amp; SPECIFICATIONS</b> |                               |
| Push/Pull Tabs                       | Yes                           |
| Breakout                             | No                            |
| Trunk                                | No                            |
| <b>STANDARDS &amp; COMPLIANCE</b>    |                               |
| Product Compliance                   | RoHS; REACH                   |
| <b>WARRANTY &amp; SUPPORT</b>        |                               |
| Product Warranty Period (Worldwide)  | Lifetime limited warranty     |

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