

# 100G Multimode 50/125 OM4 Fiber Optic Cable (12F MPO/MPO-PC F/F), Type-A Polarity, OFNP, Aqua, 5 m (16.4 ft.), TAA

MODEL NUMBER: N845A-05M-12TAA



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 IDF in enterprise installations. The N845A-05M-12TAA is a Type-A cable, which is ideal for straight-through fiber applications.

### Recommended for 100 Gb Ethernet Applications

This multimode 50/125 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, 25 Gb and 40 Gb networks, so you can future-proof your current application for an eventual upgrade to 400 Gb.

### Aqua Jacket Helps Avoid Misidentification That Can Cause Costly Downtime

The OM4-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 OFNP (Optical Fiber Non-Conductive Plenum) jacket is highly fire-resistant, making this cable ideal for plenum areas such as drop ceilings and raised floors. The connectors' slim boots allow easy one-handed installation and removal of the cable.

### TAA-Compliant for GSA Schedule Purchases

The N845A-05M-12TAA is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

## Highlights

- OM4-rated cable recommended for 100 Gb speeds up to 100 meters (@ 1300 nm)
- Type-A polarity ideal for straight-through fiber applications
- Backward compatible with 10/25/40 Gb networks to facilitate future-proofing
- Aqua OFNP jacket allows easy ID in a crowded switch or patch panel
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

## Package Includes

N845A-05M-12TAA 100G Multimode 50/125 OM4 Fiber Optic Cable, Aqua, 5 m (16.4 ft.), TAA

## Specifications

| OVERVIEW     |                  |
|--------------|------------------|
| UPC Code     | 037332292254     |
| Technology   | Fiber; Multimode |
| Optical Mode | OM4              |



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| CONNECTIONS                        |                                      |
|------------------------------------|--------------------------------------|
| Side A - Connector 1               | 12F MPO (FEMALE)                     |
| Side B - Connector 1               | 12F MPO (FEMALE)                     |
| Endface Polish                     | PC                                   |
| Polarity                           | Type A (straight through)            |
| PHYSICAL                           |                                      |
| Color                              | Aqua                                 |
| Cable Jacket Color                 | Aqua                                 |
| Connector Color                    | Aqua; Black                          |
| Cable Jacket Material              | PVC                                  |
| Cable Jacket Rating                | OFNP                                 |
| 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                | 20MM (Dynamic); 10MM (Static)        |
| Unit Dimensions (hwd / in.)        | 9.000 x 7.000 x 0.500                |
| Fiber Cable Length                 | 5M (16.4 ft)                         |
| ENVIRONMENTAL                      |                                      |
| Operating Temperature Range        | -4° to 158°F (-20° to 70°C)          |
| Storage Temperature Range          | -40° to 176°F (-40° to 80°C)         |
| Relative Humidity                  | 5% to 85% RH, Non-Condensing         |
| COMMUNICATIONS                     |                                      |
| Network Compatibility              | 10 Gbps; 40 Gbps; 100 Gbps; 400 Gbps |
| Attenuation @ 850NM                | 2.4 dB/Km                            |
| Attenuation @ 1300NM               | 0.6 dB/Km                            |
| Insertion Loss                     | 0.6dB                                |
| Return Loss                        | 35dB                                 |
| FEATURES & SPECIFICATIONS          |                                      |



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|                                     |                                         |
|-------------------------------------|-----------------------------------------|
| Push/Pull Tabs                      | No                                      |
| Breakout                            | No                                      |
| Trunk                               | No                                      |
| STANDARDS & COMPLIANCE              |                                         |
| Product Compliance                  | RoHS; REACH; Trade Agreements Act (TAA) |
| WARRANTY & SUPPORT                  |                                         |
| Product Warranty Period (Worldwide) | Lifetime limited warranty               |

1000 Eaton Boulevard  
Cleveland, OH 44122  
United States  
<https://tripplite.eaton.com>

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