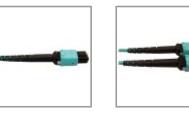# 400G Multimode 50/125 OM4 Plenum Fiber Optic Cable, 24F MTP/MPO-PC to (x2) 12F MTP/MPO-PC (F/F), Aqua, 5 m

MODEL NUMBER: **N846D-05M-24BAQ**



400 GbE Ethernet cable supports high bandwidths necessary for next-generation cloud services, hyperscale data centers and telecom carriers.

## Features

**400 GbE Cable Supports Higher Bandwidths Needed for Next-Gen Data and Voice Networking**
As the amount of traffic in data networks grows, so does the need for next-generation devices and fiber cables to support much 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 400G Ethernet applications up to 100 meters (at 850 nm). It has documented insertion loss and back reflection testing on every connector and attenuation loss that meets or exceeds current standards.**24- and 12-Fiber MTP/MPO Connectors Designed for the Latest QSFP-DD Transceivers**
The MPO connectors have a wide parallel optical interface for use with the latest 400G QSFP-DD transceivers, making this cable an excellent solution for your high-density network application. The connectors are the same size as standard SC connectors, but much denser, allowing vertical stacking in switches or patch panels where space is at a premium. Pull tabs make the cable easy to install or remove with one hand.**Aqua Jacket Helps Avoid Misidentification That Can Cause Costly Downtime**
The OM4-rated cable has an aqua jacket, which is easy to identify quickly in a crowded patch panel or switch and helps prevent the cable from becoming accidentally disconnected. The three-millimeter ruggedized plenum-rated jacket has low smoke and flame characteristics, making it suitable for premise applications in ceilings, walls and ducts.

## Highlights

- OM4-rated cable recommended for 400 Gb speeds up to 100 m (@ 850 nm)
- MTP/MPO 24- and 12-fiber ends designed for next-gen 400G QSFP-DD transceivers
- Connectors tested for low insertion loss and back reflection to ensure top performance
- Plenum rated for horizontal premise applications in air ducts and drop ceilings
- Aqua jacket allows fast, easy identification in a crowded switch or patch panel

## Applications

- Connect 400G fiber Ethernet networks in your cloud service, hyperscale data center or telecom application
- Connect 400G Cisco, Arista, Juniper and other network switches through air ducts and drop ceilings

## Package Includes

N846D-05M-24BAQ 400G Multimode 50/125 OM4 Fiber Optic Cable, Aqua, 5 m

## Specifications

| OVERVIEW | |
| --- | --- |
| UPC Code | 037332258434 |
| Technology | Multimode |
| Optical Mode | OM4 |
| **PHYSICAL** | |

| | |
|---|---|
| Cable Jacket Color | Aqua |
| Cable Jacket Material | PVC |
| Cable Jacket Rating | OFNP |
| Clad Diameter (microns) | 125 |
| Core Diameter (microns) | 50 |
| Primary Coating Diameter (microns) | 245 |
| Number of Fibers | 16 |
| Cable Length (ft.) | 16.4 |
| Cable Length (m) | 5.00 |
| Cable Length (in.) | 196.9 |
| Minimum Bend Radius | 20MM (Dynamic); 10MM (Static) |
| **ENVIRONMENTAL** | |
| Operating Temperature Range | -4 to 140 °F (-20 to 60 °C) |
| Storage Temperature Range | -4 to 140 °F (-20 to 60 °C) |
| Operating Humidity Range | 5% to 85% RH, Non-Condensing |
| Storage Humidity Range | 35% to 65% RH, Non-Condensing |
| **COMMUNICATIONS** | |
| Network Compatibility | 10 Gbps; 40 Gbps; 100 Gbps; 400 Gbps; 800 Gbps |
| Transmission Distance | 100M @ 850NM WAVELENGTH |
| Attenuation @ 850NM | 3.0dB/Km |
| Insertion Loss | 0.35dB |
| **CONNECTIONS** | |
| Side A - Connector 1 | 24-STRAND MTP/MPO (FEMALE) |
| Side B - Connector 1 | (2) 12-STRAND MTP/MPO (FEMALE) |
| Endface Polish | PC |
| Connector Color | Aqua; Black |
| **FEATURES & SPECIFICATIONS** | |
| Push/Pull Tabs | No |
| Breakout | No |
| Trunk | No |
| **STANDARDS & COMPLIANCE** | |
| Certifications | RoHS, REACH |

| Approvals | RoHS, REACH |
|-----------|-------------|
| **WARRANTY** | |
| Product Warranty Period (Worldwide) | Lifetime limited warranty |