Tripp Lite
1111 W. 35th Street
Chicago, IL 60609 USA
Telephone: 773.869.1234
www.tripplite.com

# 400G Multimode 50/125 OM4 Plenum Fiber Optic Breakout Cable, 24F MTP/MPO-PC to (x4) LC Duplex (F/M), Aqua, 5 m

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









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 breakout 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-Fiber MTP/MPO Connector Designed for the Latest QSFP-DD Transceivers**
The MPO connector has 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 MPO connector is the same size as a standard SC connector, 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. The LC duplex connectors are recommended for high-density feed-through cassettes with no splicing required.

**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-fiber end 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-24CAQ 400G Multimode 50/125 OM4 Fiber Optic Cable, Aqua, 5 m

# Specifications

| OVERVIEW | |
|---|---|
| UPC Code | 037332258465 |
| Technology | Multimode |

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| | |
|---|---|
| Optical Mode | OM4 |
| **PHYSICAL** | |
| Cable Jacket Color | Aqua |
| Connector Color | Aqua; Black; 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 | 400 Gbps |
| Transmission Distance | 100M @ 850NM WAVELENGTH |
| Attenuation @ 850NM | 3.0dB/Km |
| Insertion Loss | MTP/MPO: 0.35dB; LC:0.20dB |
| **CONNECTIONS** | |
| Side A - Connector 1 | 24-STRAND MTP/MPO (FEMALE) |
| Side B - Connector 1 | (8) LC DUPLEX (MALE) |
| Endface Polish | PC |
| **FEATURES & SPECIFICATIONS** | |
| Push/Pull Tabs | No |
| Breakout | Yes |
| Trunk | Yes |

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

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