

# 400G Multimode 50/125 OM4 Plenum-Rated Fiber Optic Cable, 16F MTP/MPO-APC (F/F), Magenta, 5 m

MODEL NUMBER: N846D-05M-16AMG



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.

### 16-Fiber MTP/MPO Connectors Designed for the Latest QSFP-DD Transceivers

The 16F 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 12 times 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.

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

The OM4-rated cable has a magenta 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 16-fiber ends designed for next-generation 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
- Magenta 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-16AMG 400G Multimode 50/125 OM4 Fiber Optic Cable, Magenta, 5 m

## Specifications

OVERVIEW	
UPC Code	037332258250
Attenuation @ 1310NM	1.0 dB/KM
Attenuation @ 850NM	3.0 dB/KM



Clad Diameter	125 micron
Core Diameter	50 micron
Number of Fibers	16
Primary Coating Diameter	245
Technology	MTP/MPO; Multimode; QSPDD
Optical Mode	OM4
<b>INPUT</b>	
Cable Length (ft.)	16.4
Cable Length (m)	5
Cable Length (in.)	196.9
<b>ISOLATION</b>	
Insertion Loss	<0.60dB
<b>PHYSICAL</b>	
Cable Jacket Rating	OFNP
Cable Jacket Material	OFNP
Color	Black; Green; Magenta
Minimum Bend Radius	20MM (DYNAMIC); 10MM (STATIC)
<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)
Operating Humidity Range	5% TO 85% RH, NON-CONDENSING
Storage Humidity Range	5% TO 85% RH, NON-CONDENSING
<b>COMMUNICATIONS</b>	
Network Speed	400Gbe
<b>CONNECTIONS</b>	
Side A - Connector 1	16-STRAND MTP (FEMALE)
Side B - Connector 1	16-STRAND MTP (FEMALE)
<b>FEATURES &amp; SPECIFICATIONS</b>	
Transmission Distance	100M @ 850NM WAVELENGTH
<b>STANDARDS &amp; COMPLIANCE</b>	



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Approvals	RoHS, REACH
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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