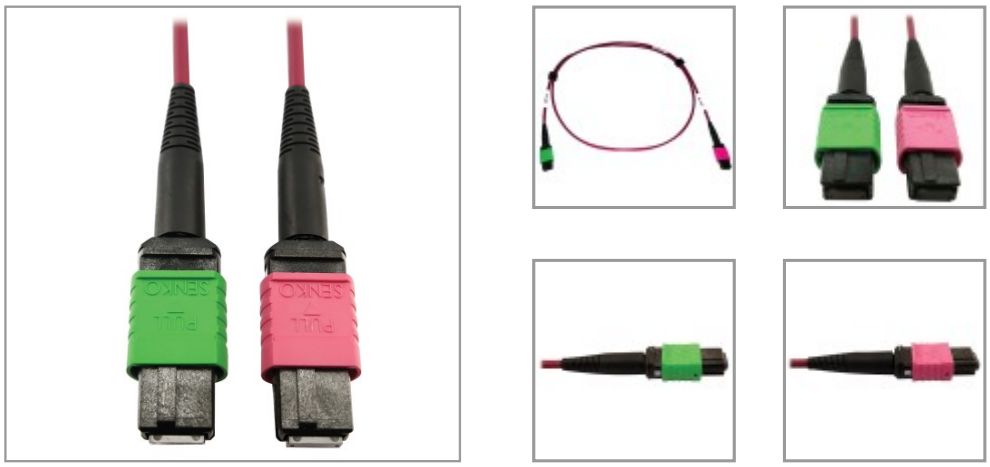
400G Multimode 50/125 OM4 Plenum Fiber Optic Cable, 16F MTP/MPO-APC to MTP/MPO-UPC (F/F), Magenta, 1 m

MODEL NUMBER: **N846D-01M-16BMG**



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-01M-16BMG 400G Multimode 50/125 OM4 Fiber Optic Cable, Magenta, 1 m

Specifications

OVERVIEW	
UPC Code	037332258281
Technology	Multimode
Optical Mode	OM4

CONNECTIONS	
Side A - Connector 1	16F MPO (FEMALE)
Side B - Connector 1	16F MPO (FEMALE)
Endface Polish	APC; UPC
Polarity	Type B (cross)
PHYSICAL	
Cable Jacket Color	Magenta
Connector Color	Green; Black; Magenta
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.)	3.3
Cable Length (m)	1.01
Cable Length (in.)	39.4
Minimum Bend Radius	20 mm (Dynamic); 10 mm (Static)
Fiber Cable Length	1M (3.3 ft)
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	3.0 dB/km
Insertion Loss	16F MTP/MPO-APC: 0.60 dB; 16F MTP/MPO-PC: 0.60 dB
FEATURES & SPECIFICATIONS	
Push/Pull Tabs	No
Breakout	No
Trunk	No

STANDARDS & COMPLIANCE	
Product Compliance	RoHS; REACH
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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

© 2025 Eaton. All Rights Reserved.
Eaton is a registered trademark. All other trademarks
are the property of their respective owners.