Important Note
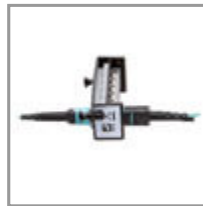
OM3 can support 40GBASE-SR4 / 100GBASE-SR10 in applicable parallel optics networks.

40G MTP/MPO Multimode OM3 Plenum-Rated Fiber Optic Cable (M/F), 12 Fiber, 40GBASE-SR4, Aqua, 5 m

MODEL NUMBER: **N842-05M-12-MF**

Premium multimode fiber optic cabling for transmitting 40 Gb data and voice signals over short distances. Designed to extend high-density connections between network equipment in telecommunication rooms.

Description

The N842-05M-12-MF MTP/MPO Multimode Ethernet cable is a 5-meter Ethernet cable that supports 40 Gb Ethernet speeds and is designed for high-density connections between network equipment in telecommunication rooms and data centers. With one male and one female MTP/MPO connector, this OM3-rated multimode fiber optic cable allows IT professionals to extend the length of their connection and eliminates the need for long fan-out cables or individual long duplex cable runs. MTP / MPO Extension cables used with high-density patching systems, in particular MTP/MPO Feed-Through Cassettes, such as N484-12M12.

The 12-fiber MTP/MPO connectors are about the same size as SC connectors, but are 12 times denser, freeing up circuit card and rack space for other cables. The cable has documented insertion loss and back reflection testing on every connector and attenuation loss that meets or exceeds current standards. Push/pull tab connectors are easily accessible in high-density data center applications and make the cable easy to install and remove with one hand.

Backward compatible with existing 50/125 fiber, the aqua-colored N842-05M-12-MF has 50/125 duplex (zipcord) fiber made from glass, as well as a plenum-rated jacket for connecting high-speed network components in ceilings, walls and ducts. The laser-optimized multimode fiber (LOMMF) cable meets the most current industry standards, including IEEE 802.3ae and TIA LOMMF.

Features

OM3-Rated for 10 Gb Ethernet Applications

- Designed to extend high-density connections between network equipment in telecommunication rooms and data centers

- Supports speeds up to 40 GbE

- Provides 3x more bandwidth than conventional 62.5 μm multimode fiber

- Backward compatible with existing 50/125 fiber

- Meets current IEEE 802.3ae and TIA LOMMF standards

MTP/MPO Connectors with Push/Pull Tabs
- 12-fiber male/female connectors 12 times denser than SC connectors
- Push/pull tab connectors easy to install and remove with one hand
- 100% tested for low insertion loss and back reflection

Error-Free Signal Transfer
- 50/125 duplex glass fiber construction
- Plenum-rated jacket perfect for ceilings, walls and ducts
- Aqua-colored for identification as a 10 Gb cable
- Jacket features serial number for quality control and traceability

Specifications

OVERVIEW	
UPC Code	037332191069
Technology	Multimode
Optical Mode	OM3

CONNECTIONS	
Side A - Connector 1	12F MPO (MALE)
Side B - Connector 1	12F MPO (FEMALE)
Endface Polish	PC
Polarity	Type B (cross)

PHYSICAL	
Cable Jacket Color	Aqua
Connector Color	Aqua; Black
Cable Jacket Material	PVC
Cable Jacket Rating	OFNP
Clad Diameter (microns)	125
Core Diameter (microns)	50
Number of Fibers	12
Cable Length (ft.)	16.4
Cable Length (m)	5.00
Cable Length (in.)	196.9
Minimum Bend Radius	20 mm (Dynamic); 10 mm (Static)
Shipping Dimensions (hwd / in.)	9.00 x 7.00 x 0.50
Shipping Dimensions (hwd / cm)	22.86 x 17.78 x 1.27

Shipping Weight (lbs.)	0.12
Shipping Weight (kg)	0.05
Fiber Cable Length	5M (16.4 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	40 Gbps; 100 Gbps; 400 Gbps
Attenuation @ 850NM	3.0 dB/km
Insertion Loss	0.35 dB

FEATURES & SPECIFICATIONS

Push/Pull Tabs	Yes
Breakout	No
Trunk	No

STANDARDS & COMPLIANCE

Product Compliance	RoHS; REACH

WARRANTY & SUPPORT

Product Warranty Period (Worldwide)	Lifetime limited warranty