40/100/400G Multimode 50/125 OM3 Fiber Optic Cable (24F MTP/MPO-PC F/F), LSZH, Aqua, 20 m (65.6 ft.)

MODEL NUMBER: **N846B-20M-24-P**

40/100/400 GbE Ethernet cable extends high-density connections between network components in enterprise applications in wiring closets, telecom rooms and data centers.

Features

40/100/400 GbE Cable Supports Higher Bandwidths for High-Density Data Networking
The N846B-20M-24-P is a premium multimode fiber optic cable that supports 400 Gb Ethernet speeds for transmitting data and voice signals over short distances. It is designed to support higher bandwidths for high-density patching between data center MDFs and IDFs in enterprise installations. This multimode 50/125 OM3 cable is an ideal choice for 400 Gb Ethernet applications up to 100 meters (328 feet) at 850 nm. It is also backward compatible with 10 Gb, 25 Gb, 40 Gb and 100 Gb networks, so you can future-proof your current application for an eventual upgrade to 400 Gb.

100% Tested for Low Insertion Loss and Attenuation Loss
The cable is tested for low insertion loss on the factory-terminated 24-fiber MTP/MPO connectors and attenuation loss that meets or exceeds current standards. The connectors' slim boots allow easy one-handed installation and removal of the cable.

Aqua-Colored Jacket Helps Avoid Misidentification That Can Cause Costly Downtime
The OM3-rated cable has an aqua jacket to identify it as multimode in a crowded patch panel or switch and prevent it from becoming accidentally disconnected. The round low-smoke zero-halogen (LSZH) jacket limits the amount of toxic smoke emitted in case of combustion, making it suitable for poorly ventilated areas.

Highlights

- OM3-rated cable recommended for 400 Gb speeds up to 100 meters (@ 850 nm)
- Backward compatible with 10/25/40/100 Gb networks to facilitate future-proofing
- Tested for low insertion loss and attenuation loss that meets or exceeds current standards
- Aqua LSZH jacket allows fast, easy identification in a crowded switch or patch panel

Package Includes

N846B-20M-24-P 40/100/400G Multimode 50/125 OM3 Fiber Optic Cable, Aqua, 20 m (65.6 ft.)

Specifications

OVERVIEW	
UPC Code	037332271747
Technology	Multimode
Optical Mode	OM3
Mode Type	Multimode

CONNECTIONS	
Side A - Connector 1	24F MPO (FEMALE)
Side B - Connector 1	24F MPO (FEMALE)
Endface Polish	PC
Polarity	Type A (straight through)
PHYSICAL	
Cable Jacket Color	Aqua
Connector Color	Aqua; Black; Blue
Cable Jacket Material	LSZH
Cable Jacket Rating	OFNR
Cable Outer Diameter (OD)	3.0 mm
Clad Diameter (microns)	125.0
Core Diameter (microns)	50.0
Primary Coating Diameter (microns)	245.0
Number of Fibers	24
Cable Length (ft.)	65.62
Cable Length (m)	20.01
Cable Length (in.)	393.7
Minimum Bend Radius	20 mm (Dynamic); 10 mm (Static)
Fiber Cable Length	20M (65.6 ft)
ENVIRONMENTAL	
Operating Temperature Range	14° to 140°F (-10° to 60°C)
Storage Temperature Range	14° to 140°F (-10° to 60°C)
Operating Humidity Range	5% to 85% RH, Non-Condensing
Storage Humidity Range	5% to 85% RH, Non-Condensing
COMMUNICATIONS	
Network Compatibility	40 Gbps; 100 Gbps; 400 Gbps
Wavelength	1300nm; 850nm
Attenuation @ 850NM	3.5 dB/km
Attenuation @ 1300NM	1.5 dB/km
Insertion Loss	0.35 dB
FEATURES & SPECIFICATIONS	
Push/Pull Tabs	No

Breakout	No
Trunk	No
Optical Port	MPO/MTP
STANDARDS & COMPLIANCE	
Product Certifications	UL 1666
Product Compliance	RoHS; CE (Europe); REACH
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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