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SERIES

100G Multimode 50/125 OM4 Fiber Optic Cable (12F MPO/MPO-PC F/F), Type-B Polarity, OFNP, Aqua, 1 m (3.3 ft.), TAA

MODEL NUMBER: N845B-01M-12TAA



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

Features

40/100 GbE Cable Supports Higher Bandwidths Needed for High-Density Data Networking

As the amount of traffic in data networks grows, so does the need for devices and fiber cables to support higher bandwidths for high-density patching between data center MDFs and IDFs in enterprise installations. This multimode 50/125 OM4 cable is an ideal choice for 100G Ethernet applications up to 100 meters (328 feet) at 1300 nm. It is also backward compatible with 10 Gb, 25 Gb and 40 Gb networks, so you can future-proof your current application for an eventual upgrade to 400 Gb.

Aqua Jacket Helps Avoid Misidentification That Can Cause Costly Downtime

The OM4-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 OFNP (Optical Fiber Non-Conductive Plenum) jacket is highly fire-resistant, making this cable ideal for plenum areas such as drop ceilings and raised floors. The connectors' slim boots allow easy one-handed installation and removal of the cable.

TAA-Compliant for GSA Schedule Purchases

The N845B-01M-12TAA is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

Specifications

OVERVIEW	
UPC Code	037332292155
Technology	Fiber; Multimode
Optical Mode	OM4
CONNECTIONS	

Highlights

- OM4-rated cable recommended for 100 Gb speeds up to 100 meters (@ 1300 nm)
- Backward compatible with 10/25/40 Gb networks to facilitate future-proofing
- Aqua OFNP jacket allows easy ID in a crowded switch or patch panel
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

N845B-01M-12TAA 100G Multimode 50/125 OM4 Fiber Optic Cable, Aqua, 1 m (3.3 ft.), TAA



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Side A - Connector 1	12F MPO (FEMALE)
Side B - Connector 1	12F MPO (FEMALE)
Endface Polish	PC
Polarity	Type B (cross)
PHYSICAL	
Color	Aqua
Cable Jacket Color	Aqua
Connector Color	Aqua; Black
Cable Jacket Material	PVC
Cable Jacket Rating	OFNP
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	12
Cable Length (ft.)	3.28
Cable Length (m)	1.00
Cable Length (in.)	39.4
Minimum Bend Radius	20MM (Dynamic); 10MM (Static)
Unit Dimensions (hwd / in.)	9.000 x 7.000 x 0.500
Fiber Cable Length	1M (3.3 ft)
ENVIRONMENTAL	
Operating Temperature Range	-4° to 158°F (-20° to 70°C)
Storage Temperature Range	-40° to 176°F (-40° to 80°C)
Relative Humidity	5% to 85% RH, Non-Condensing
COMMUNICATIONS	
Network Compatibility	10 Gbps; 40 Gbps; 100 Gbps; 400 Gbps
Attenuation @ 850NM	2.4 dB/Km
Attenuation @ 1300NM	0.6 dB/Km
Insertion Loss	0.6dB
Return Loss	35dB
FEATURES & SPECIFICATIONS	
Push/Pull Tabs	No



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Breakout	No
Trunk	No
STANDARDS & COMPLIANCE	
Product Compliance	RoHS; REACH; Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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