



10Gb Duplex Multimode 50/125 OM3 OFNP Fiber Patch Cable (LC/LC) - Aqua, 5 m (16.4 ft.), TAA

MODEL NUMBER: N820-05M-TAA











Rated OM3, this 50/125 multimode fiber cable with duplex LC connectors carries signals in 10/40 Gb Ethernet networks.

Features

Support Higher Bandwidths in Data Networks with OM3 Multimode 50/125 Fiber Patch Cable
As the amount of traffic in data networks grows, so does the need for next generation devices and fiber
cables to support higher bandwidths. This LC-to-LC multimode fiber optic Ethernet cable is well-suited for
10/40 Gb Ethernet applications up to 300 meters (984 feet) at 850 nm.

Use with VCSEL Light Sources for a Cost-Effective, High-Bandwidth Solution

The N820-05M-TAA is a laser-optimized multimode fiber (LOMMF) cable designed for use with vertical-cavity surface-emitting lasers (VCSELs) and LED lasers to offer a cost-effective, high-bandwidth solution over extended distances in the 850 nm wavelength range. It is commonly used in LANs, SANs and high-speed parallel interconnects for head-ends, central offices and data centers.

Experience Reliable Performance with Premium Construction

Premium materials ensure this multimode fiber cable reliably carries data and voice signals. The N820-05M-TAA has duplex male LC connectors on each end. The aqua 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. It meets current IEEE 802.3ae and TIA LOMMF standards, and is compatible with existing OM3-rated 50/125 fiber solutions.

TAA-Compliant for GSA Schedule Purchases

The N820-05M-TAA 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	037332286246
Technology	Multimode
Optical Mode	OM3

Highlights

- Rated OM3 to offer a highspeed 50/125 multimode fiber solution
- High-bandwidth fiber cable reaches 10 Gb speeds up to 300 m at 850 nm
- Laser-optimized for use with cost-effective VCSEL and LED laser light sources
- 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

N820-05M-TAA Duplex Multimode 50/125 Fiber Patch Cable, Aqua, 5 m (16.4 ft.), TAA





Mode Type	Multimode	
CONNECTIONS		
Side A - Connector 1	LC DUPLEX (MALE)	
Side B - Connector 1	LC DUPLEX (MALE)	
Endface Polish	PC	
Switchable Polarity	No	
PHYSICAL		
Cable Jacket Color	Aqua	
Connector Color	Beige; White; Yellow	
Cable Jacket Material	LSZH	
Cable Jacket Rating	OFNP	
Cable Outer Diameter (OD)	2.0mm x 4.0mm	
Clad Diameter (microns)	125.0	
Core Diameter (microns)	50.0	
Primary Coating Diameter (microns)	245.0	
Number of Fibers	2	
Cable Length (ft.)	16.4	
Cable Length (m)	5.00	
Cable Length (in.)	196.6	
Minimum Bend Radius	20 mm (Dynamic); 10 mm (Static)	
Shipping Dimensions (hwd / in.)	9.00 x 7.00 x 0.50	
Shipping Weight (kg)	0.05	
Unit Dimensions (hwd / in.)	9.000 x 7.000 x 0.500	
Fiber Cable Length	5M (16.4 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	
Wavelength	1300nm; 850nm	
Attenuation @ 850NM	2.4 dB/km	
Attenuation @ 1300NM	0.6 dB/KM	
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Insertion Loss	< 0.3 dB	
FEATURES & SPECIFICATIONS		
Push/Pull Tabs	No	
Breakout	No	
Trunk	No	
Armored Cable	No	
STANDARDS & COMPLIANCE		
Product Compliance	RoHS; Trade Agreements Act (TAA)	
WARRANTY & SUPPORT		
Product Warranty Period (Worldwide)	Lifetime limited warranty	

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