10Gb/40Gb/100Gb Duplex Multimode 50/125 OM4 LSZH Fiber Patch Cable (LC/LC), Aqua, 5M (16.4 ft.), TAA

MODEL NUMBER: **N820-05M-OM4TAA**







Rated OM4, this 50/125 multimode fiber cable with duplex LC connectors carries signals in 40/100 Gb Ethernet networks.

Highlights

- Rated OM4 to offer a high-speed 50/125 multimode fiber solution
- High-bandwidth fiber cable reaches 40/100 Gb speeds up to 300 m at 850 nm
- Laser-optimized for use with cost-effective VCSEL and LED laser light sources
- Aqua jacket allows immediate identification as OM4 cable in crowded applications
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

N820-05M-OM4TAA Duplex Multimode 50/125 Fiber Patch Cable, OM4 Rated, 5 m (16.4 ft.)

Features

Support Higher Bandwidths in Data Networks with OM4 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 40/100 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-OM4TAA 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-OM4TAA has duplex male LC connectors on each end and features a low-smoke zero-halogen (LSZH) jacket that limits the amount of toxic smoke emitted in case of combustion, making it suitable for poorly ventilated areas. The aqua color of the jacket identifies the cable as OM4 rated. It meets current IEEE 802.3ae and TIA LOMMF standards, and is compatible with existing OM3- and OM4-rated 50/125 fiber solutions..

TAA-Compliant for GSA Schedule Purchases
The N820-05M-OM4TAA 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	037332278326

Technology	Multimode
Optical Mode	OM4
Mode Type	Multimode
CONNECTIONS	
Side A - Connector 1	LC DUPLEX (MALE)
Side B - Connector 1	LC DUPLEX (MALE)
Endface Polish	PC
Polarity	A-to-B Duplex
PHYSICAL	
Cable Jacket Color	Aqua
Connector Color	Beige; White; Yellow
Cable Jacket Material	LSZH
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.)	196.9
Minimum Bend Radius	20 mm (Dynamic); 10 mm (Static)
Shipping Dimensions (hwd / in.)	9.00 x 7.00 x 0.50
Shipping Weight (kg)	0.23
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
Insertion Loss	0.2dB
FEATURES & SPECIFICATIONS	
Push/Pull Tabs	No
STANDARDS & COMPLIANCE	
Product Compliance	REACH; RoHS; Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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