

# 10Gb/40Gb/100Gb Duplex Multimode 50/125 OM4 LSZH Fiber Patch Cable (LC/LC), Aqua, 4 m (13.1 ft.)

MODEL NUMBER: **N820-04M-OM4**



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

## 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 future-proofing 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 N820-04M-OM4 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 N820-04M-OM4 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.

## Specifications

OVERVIEW	
UPC Code	037332206633
Technology	Multimode
Optical Mode	OM4

## 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
- Ideal for upgrading 10 Gb applications to 40 Gb and 100 Gb for future use
- Laser-optimized for use with cost-effective VCSEL and LED laser light sources
- Aqua jacket allows immediate identification as OM4 cable in crowded applications

## Package Includes

N820-04M-OM4 Duplex Multimode 50/125 Fiber Patch Cable, OM4 Rated, 4 m (13.1 ft.)



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CONNECTIONS	
Side A - Connector 1	LC DUPLEX (MALE)
Side B - Connector 1	LC DUPLEX (MALE)
Endface Polish	PC
PHYSICAL	
Cable Jacket Color	Aqua
Connector Color	Aqua
Cable Jacket Material	LSZH
Cable Jacket Rating	OFNR
Clad Diameter (microns)	125.0
Core Diameter (microns)	50.0
Number of Fibers	2
Cable Length (ft.)	13.1
Cable Length (m)	3.99
Cable Length (in.)	157.2
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.)	0.09
Shipping Weight (kg)	0.04
Unit Dimensions (hwd / in.)	9.000 x 7.000 x 0.500
Fiber Cable Length	4M (13.1 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	10 Gbps; 40 Gbps; 100 Gbps
Attenuation @ 850NM	3.5 dB/km
Attenuation @ 1300NM	1.5 dB/km
Insertion Loss	0.20dB
FEATURES & SPECIFICATIONS	



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Push/Pull Tabs	No
Breakout	No
Trunk	No
<b>STANDARDS &amp; COMPLIANCE</b>	
Product Compliance	CE (Europe); REACH; RoHS
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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