

## 100G Duplex Multimode 50/125 OM4 LSZH Fiber Optic Cable (LC/LC), Aqua, 20 m

MODEL NUMBER: **N820-20M-OM4**



Premium multimode fiber optic cabling transmits fast, clear 40 Gb and 100 Gb data and voice signals through your LAN up to 300 m (@ 850 nm).

### Description

The N820-20M-OM4 10 Gb/100 Gb Duplex Multimode 50/125 OM4 LSZH Fiber Patch Cable is OM4-rated for use with 40/100 Gb Ethernet applications up to 300 meters (@ 850 nm). For fast, clear signal transmission through your local area network (LAN) or storage area network (SAN), this high-speed, low-cost cable provides ten times more bandwidth than conventional 62.5  $\mu\text{m}$  multimode fiber and performance rivaling that of singlemode cable.

Backward compatible with existing 50/125 fiber, the aqua-colored N820-20M-OM4 is manufactured using top-quality materials. Dual male LC connectors are widely compatible and thoroughly tested to meet stringent insertion loss standards. It has 50/125 duplex (zipcord) fiber made from glass and a low-smoke zero-halogen (LSZH) jacket, which limits the amount of toxic smoke emitted in case of combustion, making this cable perfect for poorly ventilated areas.

This laser-optimized multimode fiber (LOMMF) cable is ideal for LANs, SANs and high-speed parallel interconnects for head-ends, central offices and data centers. It's commonly used with vertical-cavity surface-emitting laser (VCSEL) and LED laser light sources. Complies with IEEE 802.3ae and TIA LOMMF standards.

### Features

#### OM4-Rated for 40/100 Gb Ethernet Applications

- Allows 40/100 Gb serial transmission up to 300 m (@ 850 nm)
- Provides 10x more bandwidth than conventional 62.5  $\mu\text{m}$  multimode fiber
- Backward compatible with existing 50/125 fiber
- Meets current IEEE 802.3ae and TIA LOMMF standards

### Highlights

- 40/100 Gb Ethernet speed up to 300 m (@ 850 nm)
- Nearly 10x the bandwidth of conventional 62.5  $\mu\text{m}$  multimode fiber
- 50/125 duplex glass fiber construction
- Low-smoke zero-halogen aqua jacket
- Dual male LC connectors meet insertion loss standards

### Package Includes

- N820-20M-OM4 10 Gb/100 Gb Duplex Multimode 50/125 OM4 LSZH Fiber Patch Cable, 20 m (65 ft.)



- Ideal for LANs, SANs and high-speed parallel interconnects for head-ends, central offices and data centers
- Commonly used with VCSEL and LED laser light sources

#### **Error-Free Signal Transfer**

- 50/125 duplex glass fiber construction
- Low-smoke zero-halogen jacket
- Sturdy dual LC male connectors meet insertion loss standards
- Aqua-colored for identification as a 10 Gb cable

## **Specifications**

<b>OVERVIEW</b>	
UPC Code	037332190802
Clad Diameter	125 micron
Core Diameter	50 micron
Number of Fibers	2
Optical Mode	OM4
<b>INPUT</b>	
Cable Length (ft.)	65.6
Cable Length (m)	20
Cable Length (in.)	787.4
<b>PHYSICAL</b>	
Color	Aqua
Shipping Dimensions (hwd / cm)	22.86 x 17.78 x 1.27
Shipping Dimensions (hwd / in.)	9.00 x 7.00 x 0.50
Shipping Weight (kg)	0.15
Shipping Weight (lbs.)	0.33
<b>COMMUNICATIONS</b>	
Network Speed	10Gbps / 40Gbps / 100Gbps
<b>CONNECTIONS</b>	
Side A - Connector 1	LC DUPLEX (MALE)
Side B - Connector 1	LC DUPLEX (MALE)



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<b>FEATURES &amp; SPECIFICATIONS</b>	
Technology	Multimode
<b>SPECIAL FEATURES</b>	
Push/Pull Tabs	No
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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