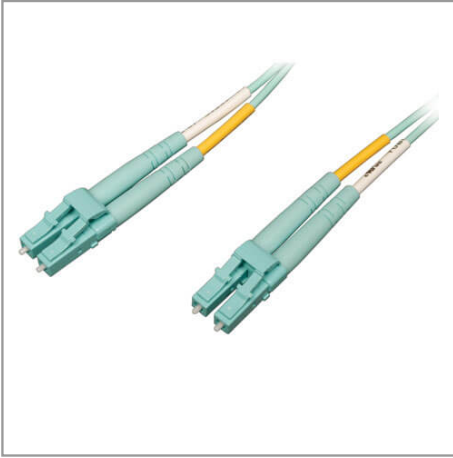


## 100G Duplex Multimode 50/125 OM4 LSZH Fiber Optic Cable (LC/LC), Aqua, 25 m

MODEL NUMBER: **N820-25M-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 N820-25M-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 N820-25M-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
- 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

### 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

- N820-25M-OM4 10 Gb/100 Gb Duplex Multimode 50/125 OM4 LSZH Fiber Patch Cable, 25 m (82 ft.)



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## Specifications

| OVERVIEW                        |                                 |
|---------------------------------|---------------------------------|
| UPC Code                        | 037332190819                    |
| Technology                      | Multimode                       |
| Optical Mode                    | OM4                             |
| 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                             |
| Core Diameter (microns)         | 50                              |
| Number of Fibers                | 2                               |
| Cable Length (ft.)              | 82                              |
| Cable Length (m)                | 25.00                           |
| Cable Length (in.)              | 984.3                           |
| Minimum Bend Radius             | 20 mm (Dynamic); 10 mm (Static) |
| Shipping Dimensions (hwd / in.) | 12.00 x 10.50 x 0.50            |
| Shipping Dimensions (hwd / cm)  | 30.48 x 26.67 x 1.27            |
| Shipping Weight (lbs.)          | 0.40                            |
| Shipping Weight (kg)            | 0.18                            |
| Unit Dimensions (hwd / in.)     | 12.000 x 10.500 x 0.500         |
| Fiber Cable Length              | 25M (82 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   |



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| COMMUNICATIONS                      |   |
|-------------------------------------|---|
| Network Compatibility               | 1 Gbps (Gigabit); 10 Gbps; 25 Gbps; 40 Gbps; 100 Gbps |
| Attenuation @ 850NM                 | 3.0 dB/km   |
| Insertion Loss                      | 0.20 dB   |
| FEATURES & SPECIFICATIONS           |   |
| Push/Pull Tabs                      | No  |
| Breakout                            | No  |
| Trunk                               | No  |
| STANDARDS & COMPLIANCE              |   |
| Product Compliance                  | RoHS; REACH   |
| WARRANTY & SUPPORT                  |   |
| Product Warranty Period (Worldwide) | Lifetime limited warranty                             |

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