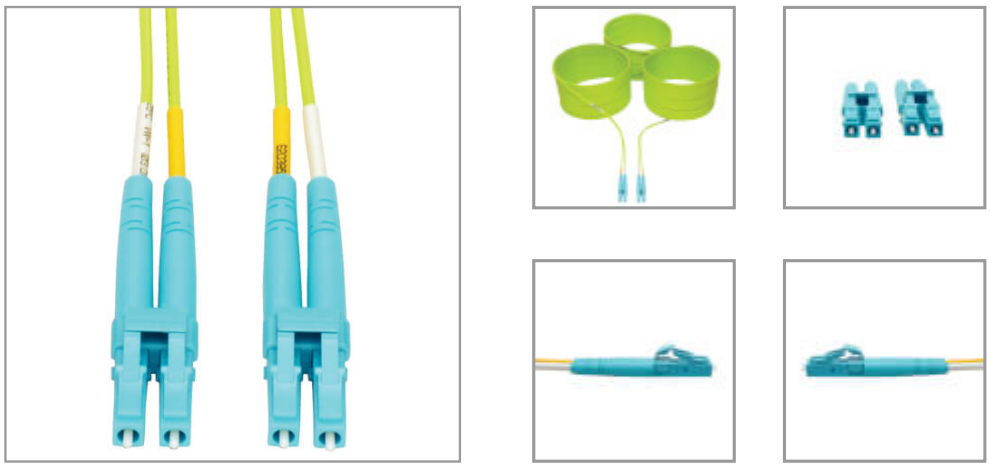
# 100G Duplex Multimode 50/125 OM5 LSZH Fiber Optic Cable (LC/LC), Lime Green, 20 m

MODEL NUMBER: **N820-20M-OM5**



Rated OM5, this 50/125 multimode fiber cable with duplex LC connectors carries signals in 40/100 Gb Ethernet networks.

## Features

**Support Higher Bandwidths in Data Networks with OM5 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. OM5 Duplex Multimode 50/125 Fiber Patch Cable is a wideband multimode fiber (WBMMF) solution that supports at least four wavelengths in the 850-950 nm range. This LC to LC multimode fiber optic patch cable is well-suited for 40/100 Gb Ethernet applications up to 300 meters (at 850 nm).

**Use with VCSEL Light Sources for a Cost-Effective, High-Bandwidth Solution**The N820-20M-OM5 is a laser-optimized multimode fiber (LOMMF) cable designed for use with vertical-cavity surface-emitting lasers (VCSELs) to offer a cost-effective, high-bandwidth solution over extended distances in the 850-950 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 cable 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 lime green color of the jacket identifies the cable as OM5 rated. It meets current IEEE 802.3ae and TIA LOMMF standards.

**Employ OM5 Cable for Backward Compatibility and Future Proofing**Rated OM5, the N820-20M-OM5 cable is backward compatible with existing OM3- and OM4-rated 50/125 fiber solutions. This LC to LC multimode fiber optic cable can also be used with shortwave wavelength division multiplexing (SWDM) technology to provide transmission over longer distances in the 850-950 nm wavelength range than OM3- and OM4-rated cables. Plus, the OM5 cables will be compatible with SWDM solutions in future networks with even higher bandwidths.

**Lifetime Warranty**The N820-20M-OM5 is backed by a lifetime limited warranty, ensuring reliability and performance.

## Highlights

- Rated OM5 to offer a wideband 50/125 multimode fiber solution
- For 40/100 Gb speeds up to 300 meters (at 850 nm)
- Laser-optimized for use with cost-effective VCSEL light sources
- Lime green jacket for easy OM5 identification; 20 m (66 ft.) cable
- Backward compatible with OM3 and OM4 applications

## Applications

- Use to carry signals in LANs, SANs and high-speed parallel interconnects for head-ends, central offices and data centers
- Use with vertical-cavity surface-emitting laser (VCSEL) or LED laser light sources in a LAN network
- Add backward and forward compatibility to a high-speed data network

## Package Includes

- N820-20M-OM5 Duplex Multimode 50/125 Fiber Patch Cable, OM5 Rated, 20 m (66 ft.)

# Specifications

| | |
|---|---|
| **OVERVIEW** | |
| UPC Code | 037332224279 |
| Technology | Multimode |
| Optical Mode | OM5 |
| **CONNECTIONS** | |
| Side A - Connector 1 | LC DUPLEX (MALE) |
| Side B - Connector 1 | LC DUPLEX (MALE) |
| Endface Polish | PC |
| **PHYSICAL** | |
| Cable Jacket Color | Lime Green |
| Connector Color | Aqua |
| Cable Jacket Material | LSZH |
| Cable Jacket Rating | OFNR |
| Cable Outer Diameter (OD) | 1.9 +/- 0.1 mm x 3.8 +/- 0.2 mm |
| Clad Diameter (microns) | 125 |
| Core Diameter (microns) | 50 |
| Number of Fibers | 2 |
| Cable Length (ft.) | 65.6 |
| Cable Length (m) | 20.00 |
| Cable Length (in.) | 787.4 |
| Minimum Bend Radius | 20 mm (Dynamic); 10 mm (Static) |
| Fiber Cable Length | 20M (65.6 ft) |
| **ENVIRONMENTAL** | |
| Operating Temperature Range | -4° to 140°F (-20° to 60°C) |
| Storage Temperature Range | -4° to 140°F (-20° to 60°C) |
| Relative Humidity | 4% to 98% RH |
| Operating Humidity Range | 5% to 85% RH, Non-Condensing |
| Storage Humidity Range | 35% to 65% RH, Non-Condensing |
| **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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