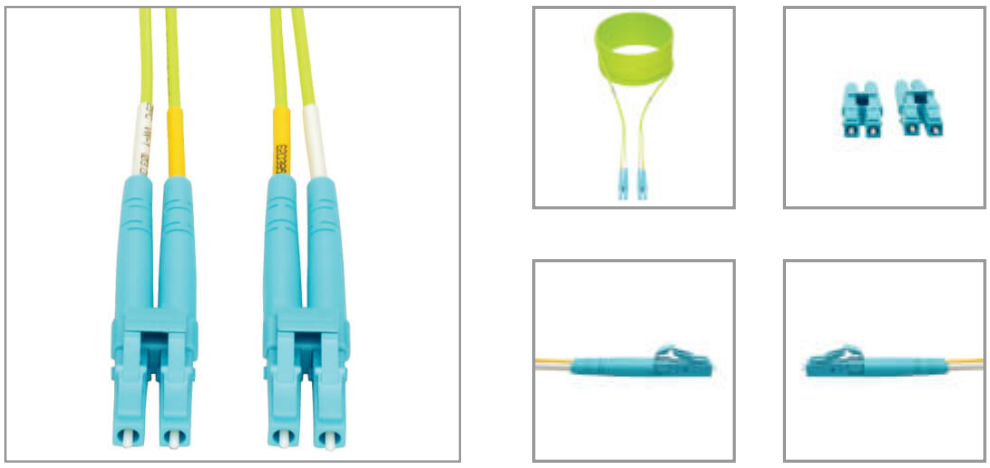
100G Duplex Multimode 50/125 OM5 LSZH Fiber Optic Cable (LC/LC), Lime Green, 7 m

MODEL NUMBER: **N820-07M-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 N820-07M-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 N820-07M-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 N820-07M-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; 7 m (23 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

- N820-07M-OM5 Duplex Multimode 50/125 Fiber Patch Cable, OM5 Rated, 7 m (23 ft.)

Specifications

OVERVIEW	
UPC Code	037332224248
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.)	23
Cable Length (m)	7.01
Cable Length (in.)	275.6
Minimum Bend Radius	20 mm (Dynamic); 10 mm (Static)
Fiber Cable Length	7M (23 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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