

LC to LC Multimode Duplex Fiber Optics Patch Cable, 1 Meter - 100Gb, 50/125, OM5, LC/LC, Lime Green

MODEL NUMBER: N820-01M-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). Its short one-meter length reduces cable clutter.

Use with VCSEL Light Sources for a Cost-Effective, High-Bandwidth Solution

The N820-01M-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 N820-01M-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 N820-01M-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; 1 m (3 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 surfaceemitting laser (VCSEL) or LED laser light sources in a LAN network
- Add backward and forward compatibility to a high-speed data network

Package Includes

 N820-01M-OM5 Duplex Multimode 50/125 Fiber Patch Cable, OM5 Rated, 1 m (3 ft.)



Specifications

OVERVIEW		
UPC Code	037332225955	
Technology	Multimode	
Optical Mode	OM5	
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.)	3	
Cable Length (m)	0.91	
Minimum Bend Radius	20 mm (Dynamic); 10 mm (Static)	
Fiber Cable Length	0.9M (3 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	
CONNECTIONS		
Side A - Connector 1	LC DUPLEX (MALE)	
Side B - Connector 1	LC DUPLEX (MALE)	
Endface Polish	PC	



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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