

OM3 can support 40GBASE-SR4 / 100GBASE-SR10 in applicable parallel optics networks

## 10Gb Duplex Multimode 50/125 OM3 LSZH Fiber Patch Cable (LC/LC) - Aqua, 0.5M (20-in.)

MODEL NUMBER: **N820-20N**



### Highlights

- Designed for 10-Gig Ethernet applications...OM3 Rated
- Backward compatible with existing 50/125 fiber
- Max 10Gb distance of 300 meters @850nm
- Low-Smoke, Zero Halogen (LSZH) Aqua jacket

### Package Includes

- 0.5M (20-in.) Duplex Multimode 50/125 Aqua OM3 Fiber Patch Cable, LC/LC

### Description

Tripp Lite's N820-20N is an OM3 Laser-Optimized Multimode Fiber (LOMMF) "Aqua" cable, for use with 10Gb Ethernet applications. 50/125um, LC/LC Fiber Optic cables provide nearly four times the bandwidth over conventional 62.5um multimode fiber, with performance rivaling that of Single mode cable, at a much reduced cost. LOMMF cable allows 10Gb serial transmission over extended distances in the 850nm wavelength window, where low-cost Vertical Cavity Surface Emitting Lasers (VCSELs) enable a cost-effective, high-bandwidth solution. LOMMF is ideally suited for LAN's, SAN's, and high-speed parallel interconnects for head-ends, central offices, and data centers.

### Features

- 0.5M (20-in.) LC/LC, OM3 Rated
- 10gb Ethernet speed to 300 meters @850nm
- Use with VCSEL and LED laser light sources
- High-Speed, High-Bandwidth, Low-Cost
- Backward compatible with legacy LAN's
- Ideal for Fibre Channel (SAN) applications
- IEEE 802.3ae and TIA LOMMF compliant

## Specifications

OVERVIEW	
UPC Code	037332186508
Technology	Multimode
Optical Mode	OM3



<b>PHYSICAL</b>	
Cable Jacket Color	Aqua
Connector Color	White
Cable Jacket Material	LSZH
Cable Jacket Rating	OFNR
Clad Diameter (microns)	125
Core Diameter (microns)	50
Number of Fibers	2
Cable Length (ft.)	1.7
Cable Length (m)	0.52
Cable Length (in.)	20
Cable Length (cm)	50.80
Minimum Bend Radius	20MM (Dynamic); 10MM (Static)
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)	0.02
Shipping Weight (lbs.)	0.04
<b>ENVIRONMENTAL</b>	
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
<b>COMMUNICATIONS</b>	
Network Compatibility	1 Gbps (Gigabit); 10 Gbps; 25 Gbps; 40 Gbps; 100 Gbps
Attenuation @ 850NM	3.0dB/Km
Insertion Loss	0.20dB
<b>CONNECTIONS</b>	
Side A - Connector 1	LC DUPLEX (MALE)
Side B - Connector 1	LC DUPLEX (MALE)
Endface Polish	PC
<b>FEATURES &amp; SPECIFICATIONS</b>	
Push/Pull Tabs	No



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
www.tripplite.com

Breakout	No
Trunk	No
<b>STANDARDS &amp; COMPLIANCE</b>	
Certification & Compliance	RoHS; REACH
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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