

**Important Note**

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**

The N820-20N is an OM3 Laser-Optimized Multimode Fiber (LOMMF) Aqua cable for use with 10 Gb 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 singlemode cable at a much reduced cost. LOMMF cable allows 10 Gb serial transmission over extended distances in the 850 nm wavelength window, where low-cost Vertical Cavity Surface Emitting Lasers (VCSELs) enable a cost-effective, high-bandwidth solution. LOMMF is ideally suited for LANs, SANs 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	20 mm (Dynamic); 10 mm (Static)
Shipping Dimensions (hwd / in.)	9.00 x 7.00 x 0.50
Shipping Dimensions (hwd / cm)	22.86 x 17.78 x 1.27
Shipping Weight (lbs.)	0.04
Shipping Weight (kg)	0.02
Fiber Cable Length	0.5M (1.7 ft)
<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	3.0 dB/km
Insertion Loss	0.20 dB
<b>CONNECTIONS</b>	
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