

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, 6M (20 ft.)

MODEL NUMBER: **N820-06M**



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

- 6 meter (20ft) Duplex Multimode 50/125 Aqua OM3 Fiber Patch Cable, LC/LC

Description

M3 Laser-Optimized Multimode Fiber (LOMMF) "Aqua" cables are for use with 10 Gb Ethernet applications. These 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

- 6 Meter (20ft) 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 | 037332142047 |
| Technology | Multimode |

| | |
|--------------------------------------|---|
| Optical Mode | OM3 |
| PHYSICAL | |
| 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.) | 19.7 |
| Cable Length (m) | 6.01 |
| Cable Length (in.) | 236.2 |
| 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.) | 0.11 |
| Shipping Weight (kg) | 0.05 |
| Fiber Cable Length | 6M (19.7 ft) |
| ENVIRONMENTAL | |
| 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 |
| 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 |