



#### **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, 50M (164 ft.)

MODEL NUMBER: N820-50M



### **Highlights**

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

## **Package Includes**

 50 meter Duplex Multimode 50/125 Aqua OM3 Fiber Patch Cable, LC/LC

#### **Features**

- 50 Meter LC/LC 10Gb Aqua Fiber Patch cable, 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	037332149930	
Technology	Multimode	
Optical Mode	ОМЗ	
CONNECTIONS		
Side A - Connector 1	LC DUPLEX (MALE)	
Side B - Connector 1	LC DUPLEX (MALE)	
Endface Polish	PC	





Connector Color White Cable Jacket Material LSZH Cable Jacket Rating OPNR Clad Diameter (microns) 125 Cone Diameter (microns) 50 Number of Fibers 2 Cable Length (ft.) 164 Cable Length (m) 50.00 Cable Length (m) 50.00 Cable Length (m) 1988.5 Minimum Band Radius 20 mm (Dynamic); 10 mm (Static) Shipping Dimensions (hwd / in.) 12.00 x 10.50 x 0.50 Shipping Dimensions (hwd / orm) 30.48 x 28.67 x 1.27 Shipping Weight (bs.) 0.77 Shipping Weight (bs.) 0.35 Fiber Cable Length 50M (164 ft)  ENVIRONMENTAL Operating Temperature Range 4* to 140°F (-20° to 60°C) Storage Temperature Range 35% to 85% RH, Non-Condensing Storage Humidity Range 35% to 85% RH, Non-Condensing COMMUNICATIONS Network Compatibility 1 Gbps; 25 Gbps; 40 Gbps; 100 Gbps Attenuation & 850NM 3.0 dB/km Insertion Loss No	PHYSICAL		
Cable Jacket Material LSZH Cable Jacket Rating OFNR Clad Diameter (microns) 125 Core Diameter (microns) 50 Number of Fibers 2 Cable Length (fit.) 164 Cable Length (fit.) 1968.5 Minimum Bend Radius 20 mm (Dynamic): 10 mm (Static) Shipping Dimensions (hwd / in.) 12.00 x 10.50 x 0.50 Shipping Dimensions (hwd / cm) 30.48 x 26.67 x 1.27 Shipping Weight (bs.) 0.77 Shipping Weight (kg) 0.35 Fiber Cable Length 50M (164 ft)  ENVIRONMENTAL Operating Temperature Range -4" to 140°F (-20" to 60°C) Operating Humidity Range 39% to 65% RH, Non-Condensing Storage Humidity Range 39% to 65% RH, Non-Condensing  COMMUNICATIONS Network Compatibility 1 Gbps: (25 Gbps: 40 Gbps: 100 Gbps Attenuation @ 850NM 3.0 dB/km Insertion Loss 0.20 dB  FEATURES & SPECIFICATIONS Place A compatible A company of the company of th	Cable Jacket Color	Aqua	
Cable Jacket Rating OFNR Clad Diameter (microns) 125 Core Diameter (microns) 50 Number of Fibers 2 Cable Length (ft.) 164 Cable Length (m) 50.00 Cable Length (m) 1968.5 Minimum Bend Radius 20 mm (Dynamic): 10 mm (Static) Shipping Dimensions (hwd / in.) 12.00 x 10.50 x 0.50 Shipping Dimensions (hwd / or.) 30.48 x 26.67 x 1.27 Shipping Weight (bs.) 0.77 Shipping Weight (kg) 0.35 Fiber Cable Length 50M (164 ft)  ENVIRONMENTAL Operating Temperature Range 4* to 140*F (-20* to 60*C) Operating Temperature Range 35% to 65% RH, Non-Condensing Storage Humidity Range 5% to 85% RH, Non-Condensing  COMMUNICATIONS Network Compatibility 1 Gbps (Gigabit); 10 Gbps; 25 Gbps; 40 Gbps; 100 Gbps  FEATURES & SPECIFICATIONS Push/Pull Tabs No Breakout No Breakout No	Connector Color	White	
Clad Diameter (microns)   125	Cable Jacket Material	LSZH	
Social Companies (microns)   Social Companies (microns)   Social Cable Length (ft.)   164	Cable Jacket Rating	OFNR	
Number of Fibers         2           Cable Length (ft.)         164           Cable Length (m)         50.00           Cable Length (in.)         1968.5           Minimum Bend Radius         20 mm (Dynamic); 10 mm (Static)           Shipping Dimensions (twd / in.)         12.00 x 10.50 x 0.50           Shipping Dimensions (twd / cm)         30.48 x 26.67 x 1.27           Shipping Weight (kb)         0.77           Shipping Weight (kg)         0.35           Fiber Cable Length         50M (164 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           FEATURES & SPECIFICATIONS           Push/Pull Tabs         No           Breakout         No           Trunk         No	Clad Diameter (microns)	125	
Cable Length (ft.) 164 Cable Length (m) 50.00 Cable Length (in.) 1968.5 Minimum Bend Radius 20 mm (Dynamic); 10 mm (Static) Shipping Dimensions (hwd / in.) 12.00 x 10.50 x 0.50 Shipping Dimensions (hwd / or.) 30.48 x 26.67 x 1.27 Shipping Weight (fbs.) 0.77 Shipping Weight (kg) 0.35 Fiber Cable Length 50M (164 ft)  ENVIRONMENTAL Operating Temperature Range 4* to 140°F (-20° to 60°C) Storage Temperature Range 5% to 85% RH, Non-Condensing Storage Humidity Range 5% to 85% 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 PLANT AND	Core Diameter (microns)	50	
Gable Length (m)         50.00           Gable Length (in.)         1968.5           Minimum Bend Radius         20 mm (Dynamic); 10 mm (Static)           Shipping Dimensions (hwd / in.)         12.00 x 10.50 x 0.50           Shipping Dimensions (hwd / cm)         30.48 x 26.67 x 1.27           Shipping Weight (lbs.)         0.77           Shipping Weight (kg)         0.35           Fiber Cable Length         50M (164 ft)    ENVIRONMENTAL  Operating Temperature Range  -4* to 140*F (-20* to 60*C)  Operating 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  FEATURES & SPECIFICATIONS  Push/Pull Tabs  No  Breakout  No  Trunk  No	Number of Fibers	2	
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Operating Temperature Range	Fiber Cable Length	50M (164 ft)	
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Push/Pull Tabs No Breakout No Trunk No	Insertion Loss	0.20 dB	
Breakout No Trunk No	FEATURES & SPECIFICATIONS		
Trunk No	Push/Pull Tabs	No	
	Breakout	No	
STANDARDS & COMPLIANCE	Trunk	No	
	STANDARDS & COMPLIANCE		
Product Compliance RoHS; REACH	Product Compliance	RoHS; REACH	





WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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