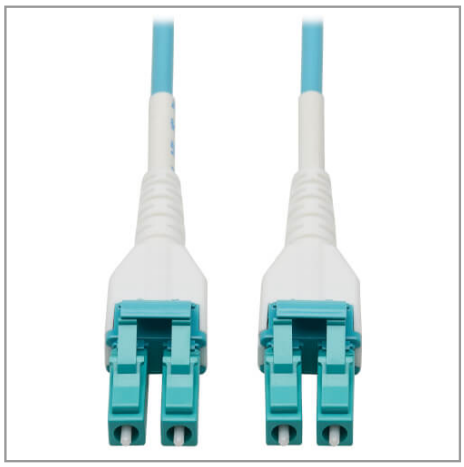
100G Duplex Multimode 50/125 OM4 Armored Fiber Optic Cable (LC/LC Duplex M/M), LSZH, Aqua, 50 m (164 ft.)

MODEL NUMBER: **N821-50M-AQ-AR**



100 GbE Ethernet cable with protective steel armor supports high bandwidths necessary for cloud services, hyperscale data centers and telecom carriers.

Features

100 GbE Cable Supports Higher Bandwidths Needed for Data Networking
As the amount of traffic in data networks grows, so does the need for devices and fiber cables to support higher bandwidths in cloud services, hyperscale data centers, telecom applications and equipment OEM companies. This duplex multimode 50/125 OM4 cable is an ideal choice for 100G Ethernet applications up to 50 meters (164 feet) at 850 nm. It is also backward compatible with 10 Gb, 25 Gb and 40 Gb networks, so you can future-proof your current application for an eventual upgrade to 100 Gb.

Armored Cable Provides Great Flexibility and Durability
The N821-50M-AQ-AR can be run anywhere and does not need to be in conduit. Built-in flexible stainless steel and robust Aramid yarn protect the optical fibers more effectively than standard fiber optic cables do. The rugged armored tubing allows optical fiber to be installed in the most hazardous areas, including environments with excessive dust, oil, gas and moisture. This fiber cable provides low insertion loss and high return loss.

Aqua Jacket Helps Avoid Misidentification That Can Cause Costly Downtime
The OM4-rated cable has an aqua-colored jacket to identify it as multimode in a crowded patch panel or switch and prevent it from becoming accidentally disconnected. The round low-smoke zero-halogen (LSZH) jacket limits the amount of toxic smoke emitted in case of combustion, making it suitable for poorly ventilated areas.

Highlights

- OM4-rated cable recommended for 100 Gb speeds up to 50 meters (@ 850 nm)
- Flexible stainless steel tubing protects fiber and helps cable stand up to rigorous use
- Backward compatible with 10/25/40 Gb networks to facilitate future-proofing
- Aqua LSZH jacket allows fast, easy identification in a crowded switch or patch panel

Applications

Connect 100G fiber Ethernet networks in your cloud service, hyperscale data center or telecom application

Package Includes

N821-50M-AQ-AR 100Gb Duplex Multimode 50/125 OM4 Armored Fiber Optic Cable, Aqua, 50 m (164 ft.)

Specifications

OVERVIEW	
UPC Code	037332264367
Technology	Multimode
Optical Mode	OM4

Mode Type	Multimode
CONNECTIONS	
Side A - Connector 1	LC DUPLEX (MALE)
Side B - Connector 1	LC DUPLEX (MALE)
Endface Polish	PC
PHYSICAL	
Material of Construction	Outer Jacket: PVC (LSZH Rating); Inner Flexible Steel Tube: SUS204 (Armored)
Cable Jacket Color	Aqua
Connector Color	Aqua; White
Cable Jacket Material	LSZH
Cable Jacket Rating	OFNR
Cable Outer Diameter (OD)	3.0 mm
Clad Diameter (microns)	125
Core Diameter (microns)	50
Primary Coating Diameter (microns)	550
Number of Fibers	2
Cable Length (ft.)	164
Cable Length (m)	50.00
Cable Length (in.)	1968.5
Minimum Bend Radius	30mm
Shipping Dimensions (hwd / in.)	12.00 x 10.50 x 0.50
Shipping Weight (kg)	0.72
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	5% to 85% RH, Non-Condensing
COMMUNICATIONS	
Network Compatibility	1 Gbps (Gigabit); 10 Gbps; 25 Gbps; 40 Gbps; 100 Gbps
Wavelength	1300nm; 850nm
Attenuation @ 850NM	3.0 dB/km
Attenuation @ 1300NM	1.0 dB/km

Insertion Loss	0.20 dB
FEATURES & SPECIFICATIONS	
Push/Pull Tabs	No
Breakout	No
Trunk	No
Armored Cable	Yes
Optical Port	LC
STANDARDS & COMPLIANCE	
Product Compliance	RoHS; REACH
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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