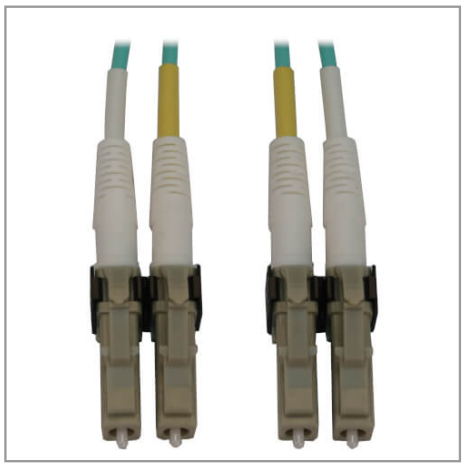
400G Multimode 50/125 OM3 Switchable Fiber Optic Cable (Duplex LC-PC M/M), LSZH, Aqua, 4 m (13.1 ft.)

MODEL NUMBER: **N820X-04M**









400 GbE Ethernet cable supports high bandwidths necessary for next-generation cloud services, hyperscale data centers and telecom carriers.

Highlights

- OM3-rated cable recommended for 400 Gb speeds up to 100 meters (@ 850 nm)
- Switchable connector ends allow polarity conversion without tools or re-termination
- Allows use of stacked LC adapters to increase population density
- Backward compatible with 40/100 Gb networks to facilitate future-proofing
- Aqua LSZH jacket allows fast, easy identification in a crowded switch or patch panel

Package Includes

N820X-04M 400G Multimode 50/125 OM3 Switchable Fiber Optic Cable, Aqua, 4 m (13.1 ft.)

Features

400 GbE Cable Supports Higher Bandwidths Needed for Next-Generation Data Networking
As the amount of traffic in data networks grows, so does the need for next-gen devices and fiber cables to support higher bandwidths in cloud services, hyperscale data centers, telecom applications and equipment OEM companies. This multimode 50/125 OM3 cable is an ideal choice for 400G Ethernet applications up to 100 meters (328 feet) at 850 nm. It is also backward compatible with 40 Gb and 100 Gb networks, so you can future-proof your current application for an eventual upgrade to 400 Gb.

Switchable LC Connectors Allow Easy Polarity Conversions
The switchable LC duplex connectors on both ends of the cable let you easily switch the fiber polarity without tools or the need to re-terminate the connectors. This can allow for stacked LC adapters, eliminating the need for dual zip cords and reducing overall bulk cabling in high-density situations. Just remove the clipped piece holding the connector ends together on each side, identify the send and receive ends, and switch the polarity of those ends based on your application needs.

Aqua-Colored Jacket Helps Avoid Misidentification That Can Cause Costly Downtime
The OM3-rated cable has an aqua 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.

Specifications

OVERVIEW	
UPC Code	037332271617
Technology	Multimode
Optical Mode	OM3

Mode Type	Multimode
CONNECTIONS	
Side A - Connector 1	LC DUPLEX (MALE)
Side B - Connector 1	LC DUPLEX (MALE)
Endface Polish	PC
Switchable Polarity	Yes
PHYSICAL	
Cable Jacket Color	Aqua
Connector Color	Beige
Cable Jacket Material	LSZH
Cable Jacket Rating	OFNR
Cable Outer Diameter (OD)	2 mm x 4.1 mm
Clad Diameter (microns)	125.0
Core Diameter (microns)	50.0
Primary Coating Diameter (microns)	600.0
Number of Fibers	2
Cable Length (ft.)	13.12
Cable Length (m)	4.00
Cable Length (in.)	157.5
Minimum Bend Radius	20 mm (Dynamic); 10 mm (Static)
Fiber Cable Length	4M (13.1 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	10 Gbps; 25 Gbps; 40 Gbps; 100 Gbps; 400 Gbps
Wavelength	1300nm; 850nm
Attenuation @ 850NM	3.5 dB/km
Attenuation @ 1300NM	1.5 dB/km
Insertion Loss	0.20 dB
FEATURES & SPECIFICATIONS	

Push/Pull Tabs	No
Breakout	No
Trunk	No
Optical Port	LC
STANDARDS & COMPLIANCE	
Product Certifications	UL 1666
Product Compliance	RoHS; CE (Europe); REACH
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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