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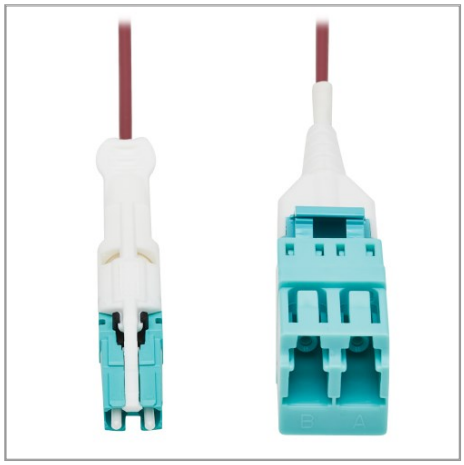
400G Duplex Multimode 50/125 OM4 Fiber Optic Cable Adapter (CS-PC/LC-PC), M/F, Round LSZH Jacket, Magenta, 1 ft.

MODEL NUMBER: **N822L-001-MF**







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

Features

400 GbE Cable Supports Higher Bandwidths Needed for Next-Gen Data Networking As the amount of traffic in data networks grows, so does the need for next-generation devices and fiber cables to support much higher bandwidths in cloud services, hyperscale data centers, telecom applications and equipment OEM companies. This duplex multimode 50/125 OM4 adapter is an ideal choice for converting LC cabling to CS cabling in 400G Ethernet applications up to 100 meters (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.

Compact CS Connector Designed for the Latest QSFP-DD Transceivers The CS end is 40 percent smaller than a standard LC connector, making it compatible with the latest 400G QSFP-DD transceivers and an excellent solution for high-density network applications. A push/pull tab allows dense vertical stacking in switches or patch panels where space is at a premium and makes the cable easy to install or remove with one hand.

Magenta Jacket Helps Avoid Misidentification That Can Cause Costly Downtime The OM4-rated adapter has a magenta jacket, which is easy to identify quickly in a crowded patch panel or switch and helps prevent the cable 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

- 12 in. adapter converts a standard LC cable to CS in your high-bandwidth network
- OM4-rated cable recommended for 400 Gb speeds up to 100 m (@ 850 nm)
- CS connector 40% more dense than standard LC end for easier cable management
- Smaller-format CS end designed for next-generation 400G QSFP-DD transceivers
- Magenta LSZH jacket allows fast, easy identification in a crowded switch or patch panel

Applications

Connect 400G fiber Ethernet networks in your cloud service, hyperscale data center or telecom application

Package Includes

N822L-001-MF 400 Gb Duplex Multimode 50/125 OM4 Fiber Optic Cable Adapter, Magenta, 1 m

Specifications

OVERVIEW	
UPC Code	037332258199
Technology	Multimode

Optical Mode	OM4
PHYSICAL	
Cable Jacket Color	Magenta
Connector Color	White; Aqua
Cable Jacket Material	LSZH
Cable Jacket Rating	OFNR
Clad Diameter (microns)	125
Core Diameter (microns)	50
Primary Coating Diameter (microns)	600
Number of Fibers	2
Cable Length (ft.)	1
Cable Length (m)	0.30
Cable Length (in.)	12
Minimum Bend Radius	20MM (Dynamic); 10MM (Static)
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
Transmission Distance	100M @ 850NM WAVELENGTH
Attenuation @ 850NM	3.0dB/Km
Insertion Loss	CS0.20dB; LC0.20dB
CONNECTIONS	
Side A - Connector 1	CS (MALE)
Side B - Connector 1	LC DUPLEX (FEMALE)
Endface Polish	PC
FEATURES & SPECIFICATIONS	
Push/Pull Tabs	Yes
Breakout	No
Trunk	No

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STANDARDS & COMPLIANCE	
Certification & Compliance	RoHS; REACH
WARRANTY	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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