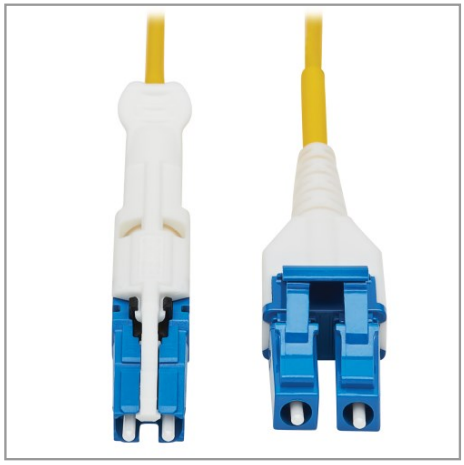
Powering Business Worldwide

TRIPP LITE SERIES

400G Duplex Singlemode 9/125 OS2 Fiber Optic Cable (CS-UPC/LC-UPC), Round LSZH Jacket, Yellow, 5 m

MODEL NUMBER: **N381L-05M**



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 singlemode 9/125 OS2 cable is an ideal choice for 400G Ethernet applications up to two kilometers (at 1310 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.

Yellow Jacket Helps Avoid Misidentification That Can Cause Costly Downtime
The OS2-rated cable has a yellow 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. It also complies with G657A2 bend-insensitive fiber standards, which allows for easy installation without excessive care when storing the fiber due to the increased bend radius.

Highlights

- OS2-rated cable recommended for 400 Gb speeds up to 2 km (@ 1310 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
- Backward compatible with 40/100 GbE networks to facilitate future-proofing
- Yellow LSZH jacket allows fast, easy identification in a crowded switch or patch panel

Applications

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

Package Includes

- N381L-05M 400Gb Duplex Singlemode 9/125 OS2 Fiber Optic Cable, Yellow, 5 m

Specifications

OVERVIEW	
UPC Code	037332258038
Technology	Singlemode
Optical Mode	OS2

CONNECTIONS	
Side A - Connector 1	CS DUPLEX (MALE)
Side B - Connector 1	LC DUPLEX (MALE)
Endface Polish	UPC
PHYSICAL	
Cable Jacket Color	Yellow
Connector Color	Blue; White
Cable Jacket Material	LSZH
Cable Jacket Rating	OFNR
Clad Diameter (microns)	125
Core Diameter (microns)	9
Primary Coating Diameter (microns)	600
Number of Fibers	2
Cable Length (ft.)	16.4
Cable Length (m)	5.00
Cable Length (in.)	196.9
Minimum Bend Radius	20 mm (Dynamic); 10 mm (Static)
Fiber Cable Length	5M (16.4 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; 400 Gbps
Transmission Distance	2KM @ 1310NM Wavelength
Attenuation @ 1310NM	0.36 dB/km
Attenuation @ 1550NM	0.22 dB/km
Insertion Loss	0.30 dB
FEATURES & SPECIFICATIONS	
Push/Pull Tabs	Yes
Breakout	No
Trunk	No

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

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