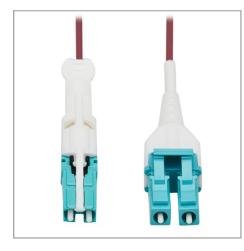


Tripp Lite 1111 W. 35th Street Chicago, IL 60609 USA Telephone: 773.869.1234 www.tripplite.com

## 400G Duplex Multimode 50/125 OM4 Fiber Optic Cable (CS-PC/LC-PC), Round LSZH Jacket, Magenta, 5 m

## MODEL NUMBER: N822L-05M-MG





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 cable is an ideal choice for 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 cable 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.

# **Specifications**

OVERVIEW	
UPC Code	037332258090
Attenuation @ 1310NM	1.0dB/KM
Attenuation @ 850NM	3.0dB/KM
Clad Diameter	125 micron

## Highlights

- 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
- Backward compatible with 40/100 GbE networks to facilitate future-proofing
- 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-05M-MG 400Gb Duplex Multimode 50/125 OM4 Fiber Optic Cable, Magenta, 5 m



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Core Danater         So micron           Number OF Danes         2           Primary Coating Diameter         B00           Dechnology         Multimode           Optical Mode         0M4           Import         Sola           Cable Longh (fly)         16.4           Cable Longh (fly)         16.4           Cable Longh (fly)         198.9           Solat Longh (fly)         198.9           Solation           Solation <th>[</th> <th>1</th>	[	1	
Prinary Coating Diameter         600           Technology         Multimode           Optical Mode         0M4           NPUT            Cable Length (ft.)         16.4           Cable Length (m)         5           Cable Length (m)         196.9           ISOLATION            Insertion Loss            PHYSICAL            Cable Jacket Raing         LSZH           Cable Jacket Type         LSZH           Cable Jacket Raing         LSZH           Cable Jacket Raing         200M (DYNAMIC); 10MM (STATIC)           Minimum Bend Radus         20MI (DYNAMIC); 10MM (STATIC)           ENVERONMENTAL            Color         4 TO 140 F (-20 TO 60 C)           Storage Temperature Range         4 TO 140 F (-20 TO 60 C)           Storage Temperature Range         5% TO 85% RH, NON-CONDENSING           Storage Temperature Range         5% TO 85% RH, NON-CONDENSING           Communications         400Gbe           Communications         5% TO 85% RH, NON-CONDENSING           Storage Lemingtrum Range         5% TO 85% RH, NON-CONDENSING           Storage Lemingtrum Range         1000 P (-20 TO 60 C)           Storage Lemingtrum Range	Core Diameter	50 micron	
Technology         Multinode           Optical Mode         OM4           Optical Mode         OM4           NPUT         Image: Constraint of Constratint of Constrationt of Constraint of Constraint of Constraint of	Number of Fibers	2	
Optical Mode         OM4           NPUT         Sele Length (IL)           Cable Length (IL)         18.4           Cable Length (IL)         196.9           Cable Length (IL)         196.9           Insertion Loss         <0.20dB	Primary Coating Diameter	600	
INPUT         IE.4           Cable Length (ft.)         16.4           Cable Length (m)         5           Cable Length (m.)         196.9           ISOLATION         Isoconcentration           Insertion Loss         <0.200B	Technology	Multimode	
Cable Length (ft.)         16.4           Cable Length (m)         5           Cable Length (m).         196.9           ISOLATION           Isolation           Isolation           ADDDD           PHYSICAL           Cable Jacket Rating         LSZH           Cable Jacket Rating         LSZH           Cable Jacket Type         LSZH         Cable Jacket Rating           Color         Aqua; Magenta; White         Cable Jacket Rating           Color         Aqua; Magenta; White         Cable Jacket Rating           Cable C	Optical Mode	OM4	
Cable Length (m)         5           Cable Length (m)         196.9           IsocLATION         IsocLATION           Insertion Loss         <0.20dB	INPUT		
Cable Length (in.)       196.9         Insertion Loss          0.20dB         PHYSICAL         Cable Jacket Rating       LSZH         Cable Jacket Rating       LSZH         Cable Jacket Rating       LSZH         Color       Aqua; Magenta; White         Minimum Bend Radius       20MM (DYNAMIC); 10MM (STATIC)         ENVRONMENTAL       Operating Temperature Range          4 TO 140 F (-20 TO 60 C)         Storage 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 Temperature Range       4 TO 140 F (-20 TO 60 C)         Operating Humidity Range       5% TO 85% RH, NON-CONDENSING         Storage Temperature Range       4 TO 140 F (-20 TO 60 C)         Operating Humidity Range       5% TO 85% RH, NON-CONDENSING         Storage Temperature Range       4 TO 140 F (-20 TO 60 C)         Operating Humidity Range       5% TO 85% RH, NON-CONDENSING         Storage Temperature Range       4 TO 140 F (-20 TO 60 C)         Communications       1000 Gebe         Edu - Connector 1       CS (MALE)         Side A - Connector 1       LC DU	Cable Length (ft.)	16.4	
Insertion Loss <ul> <li>40.20dB</li> <li>PHYSICAL</li> <li>Cable Jacket Rating</li> <li>LSZH</li> <li>Cable Jacket Rating</li> <li>LSZH</li> <li>Color</li> <li>Aqua; Magenta; White</li> <li>Minimum Bend Radius</li> <li>20MM (DYNAMIC); 10MM (STATIC)</li> <li>ENVRONMENTAL</li> <li>Operating Temperature Range</li> <li>-4 TO 140 F (-20 TO 60 C)</li> <li>Storage Temperature Range</li> <li>-4 TO 140 F (-20 TO 60 C)</li> <li>Storage Temperature Range</li> <li>-4 TO 140 F (-20 TO 60 C)</li> <li>Operating Temperature Range</li> <li>-4 TO 140 F (-20 TO 60 C)</li> <li>Storage Humidity Range</li> <li>5% TO 85% RH, NON-CONDENSING</li> <li>Storage Humidity Range</li> <li>5% TO 85% RH, NON-CONDENSING</li> <li>Storage Temperature Range</li> <li>-4 TO 140 F (-20 TO 60 C)</li> <li>Operating Humidity Range</li> <li>5% TO 85% RH, NON-CONDENSING</li> <li>Storage Temperature Range</li> <li>-4 TO 140 F (-20 TO 60 C)</li> <li>Operating Humidity Range</li> <li>5% TO 85% RH, NON-CONDENSING</li> <li>Storage Temperature Range</li> <li>-4 TO 140 F (-20 TO 60 C)</li> <li>Operating Humidity Range</li> <li>5% TO 85% RH, NON-CONDENSING</li> <li>Storage Humidity Range</li> <li>5% TO 85% RH, NON-CONDENSING</li> <li>Storage Tumoter Storage Temperature Range</li> <li>-4 TO 140 F (-20 TO 60 C)</li> <li>Operating Humidity Range</li> <li>5% TO 85% RH, NON-CONDENSING</li> <li>Storage Humidity Range</li> <li>5% TO 85% RH, NON-CONDENSING</li> <li>Storage Tumoter Storage Temperature Range</li> <li>COMMUNICATIONS</li> <li>Retwork Speed</li> <li>400Gbe</li> <li>CONNECTIONS</li> <li>Side A - Connector 1</li> <li>CS (MALE)</li> <li>EXEMPTIONE</li> <li>FEATURES &amp; SPECIFICATIONS</li> <li>Transmission Distance</li> <li>100M @ 850NM WAVELENGTH</li> <li>Special FEATURES</li> </ul>	Cable Length (m)	5	
Insertion Loss      <0.20dB	Cable Length (in.)	196.9	
PHYSICAL           Cable Jacket Rating         LSZH           Cable Jacket Type         LSZH           Color         Aqua; Magenta; White           Minimum Bend Radius         20MM (DYNAMIC); 10MM (STATIC)           ENVIRONMENTAL         Color           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         Storage Turner Same           Network Speed         400Gbe           CONNECTIONS         Side A - Connector 1           Storage Specifications         CS (MALE)           Side B - Connector 1         CS (MALE)           FEATURES & SPECIFICATIONS         Transmission Distance           Transmission Distance         100M @ 850NM WAVELENGTH	ISOLATION		
Cable Jacket Rating     LSZH       Cable Jacket Type     LSZH       Color     Aqua; Magenta; White       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     5% TO 85% RH, NON-CONDENSING       COMMUNICATIONS       Network Speed     400Gbe       CINNECTIONS       Side A - Connector 1     CS (MALE)       Side B - Connector 1     CS (MALE)       Side B - Connector 1     CS (MALE)       Transmission Distance     100M @ 850NM WAVELENGTH       SPECIFICATIONS	Insertion Loss	<0.20dB	
Cable Jacket Type     LSZH       Color     Aqua; Magenta; White       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     5% TO 85% RH, NON-CONDENSING       COMMUNICATIONS     -       Network Speed     400Gbe       CONNECTIONS     -       Side A - Connector 1     CS (MALE)       Side B - Connector 1     CS (MALE)       FEATURES & SPECIFICATIONS       Transmission Distance     100M @ 850NM WAVELENGTH       Special FEATURES     -	PHYSICAL		
Color     Aqua; Magenta; White       Minimum Bend Radius     20MM (DYNAMIC); 10MM (STATIC)       ENVIRONMENTAL     -4 TO 140 F (-20 TO 60 C)       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	Cable Jacket Rating	LSZH	
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     5% TO 85% RH, NON-CONDENSING       Storage Humidity Range     5% TO 85% RH, NON-CONDENSING       COMMUNICATIONS     600Gbe       CONNECTIONS     400Gbe       Side A - Connector 1     CS (MALE)       Side B - Connector 1     CS (MALE)       Side B - Connector 1     IC DUPLEX (MALE)       FEATURES & SPECIFICATIONS     100M @ 850NM WAVELENGTH       Special FEATURES     Interview Rational Market Resolution	Cable Jacket Type	LSZH	
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       6% TO 85% RH, NON-CONDENSING         Network Speed       400Gbe         CONNECTIONS       5% GS (MALE)         Side A - Connector 1       CS (MALE)         Side B - Connector 1       LC DUPLEX (MALE)         FEATURES & SPECIFICATIONS       100M @ 850NM WAVELENGTH         Special FEATURES       100M @ 850NM WAVELENGTH	Color	Aqua; Magenta; White	
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     5% TO 85% RH, NON-CONDENSING       Network Speed     400Gbe       CONNECTIONS     400Gbe       Side A - Connector 1     CS (MALE)       Side B - Connector 1     CS (MALE)       FEATURES & SPECIFICATIONS     100M @ 850NM WAVELENGTH	Minimum Bend Radius	20MM (DYNAMIC); 10MM (STATIC)	
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     5% TO 85% RH, NON-CONDENSING       Network Speed     400Gbe       CONNECTIONS     400Gbe       Side A - Connector 1     CS (MALE)       Side B - Connector 1     CS (MALE)       Side B - Connector 1     LC DUPLEX (MALE)       FEATURES & SPECIFICATIONS     100M @ 850NM WAVELENGTH	ENVIRONMENTAL		
Operating Humidity Range     5% TO 85% RH, NON-CONDENSING       Storage Humidity Range     5% TO 85% RH, NON-CONDENSING       COMMUNICATIONS     400Gbe       Network Speed     400Gbe       CONNECTIONS     Side A - Connector 1       Side B - Connector 1     CS (MALE)       Side B - Connector 1     LC DUPLEX (MALE)       FEATURES & SPECIFICATIONS       Transmission Distance     100M @ 850NM WAVELENGTH	Operating Temperature Range	-4 TO 140 F (-20 TO 60 C)	
Storage Humidity Range       5% TO 85% RH, NON-CONDENSING         communications       400Gbe         Network Speed       400Gbe         connectrons       Side A - Connector 1         Side A - Connector 1       CS (MALE)         Side B - Connector 1       LC DUPLEX (MALE)         FEATURES & SPECIFICATIONS       100M @ 850NM WAVELENGTH         Special FEATURES       Intervention	Storage Temperature Range	-4 TO 140 F (-20 TO 60 C)	
COMMUNICATIONS         Network Speed       400Gbe         CONNECTIONS         Side A - Connector 1       CS (MALE)         Side B - Connector 1       LC DUPLEX (MALE)         FEATURES & SPECIFICATIONS         Transmission Distance       100M @ 850NM WAVELENGTH         SPECIAL FEATURES	Operating Humidity Range	5% TO 85% RH, NON-CONDENSING	
Network Speed     400Gbe       connectrions       Side A - Connector 1     CS (MALE)       Side B - Connector 1     LC DUPLEX (MALE)       FEATURES & SPECIFICATIONS       Transmission Distance     100M @ 850NM WAVELENGTH	Storage Humidity Range	5% TO 85% RH, NON-CONDENSING	
CONNECTIONS         Side A - Connector 1       CS (MALE)         Side B - Connector 1       LC DUPLEX (MALE)         FEATURES & SPECIFICATIONS         Transmission Distance       100M @ 850NM WAVELENGTH         SPECIAL FEATURES	COMMUNICATIONS		
Side A - Connector 1     CS (MALE)       Side B - Connector 1     LC DUPLEX (MALE)       FEATURES & SPECIFICATIONS     IOOM @ 850NM WAVELENGTH       SPECIAL FEATURES     IOOM @ 850NM WAVELENGTH	Network Speed	400Gbe	
Side B - Connector 1     LC DUPLEX (MALE)       FEATURES & SPECIFICATIONS       Transmission Distance     100M @ 850NM WAVELENGTH	CONNECTIONS		
FEATURES & SPECIFICATIONS         Transmission Distance         100M @ 850NM WAVELENGTH         SPECIAL FEATURES	Side A - Connector 1	CS (MALE)	
Transmission Distance 100M @ 850NM WAVELENGTH SPECIAL FEATURES	Side B - Connector 1	LC DUPLEX (MALE)	
SPECIAL FEATURES	FEATURES & SPECIFICATIONS		
	Transmission Distance	100M @ 850NM WAVELENGTH	
Push/Pull Tabs Yes	SPECIAL FEATURES		
	Push/Pull Tabs	Yes	



STANDARDS & COMPLIANCE		
Approvals	RoHS, REACH	
WARRANTY		
Product Warranty Period (Worldwide)	Lifetime limited warranty	

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