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

100G Duplex Singlemode 9/125 OS2 Armored Fiber Optic Cable (LC/LC Duplex M/M), LSZH, Yellow, 50 m (164 ft.)

MODEL NUMBER: **N370-50M-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 singlemode 9/125 OS2 cable is an ideal choice for 100G Ethernet applications up to 50 meters (164 feet) at 1310 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 N370-50M-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 indoor environments with excessive dust, oil, gas and moisture. This fiber cable provides low insertion loss and high return loss.

Yellow Jacket Helps Avoid Misidentification That Can Cause Costly Downtime
The OS2-rated cable has a yellow jacket to identify it as singlemode 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

- OS2-rated cable recommended for 100 Gb speeds up to 50 meters (@ 1310 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
- Yellow LSZH jacket allows fast, easy identification in a crowded switch or patch panel

Applications

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

Package Includes

N370-50M-AR 100Gb Duplex Singlemode 9/125 OS2 Armored Fiber Optic Cable, Yellow, 50 m (164 ft.)

Specifications

OVERVIEW	
UPC Code	037332264329
Technology	Singlemode

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Optical Mode	OS2
Mode Type	Singlemode
PHYSICAL	
Material of Construction	Outer Jacket: PVC (LSZH Rating); Inner Flexible Steel Tube: SUS204 (Armored)
Cable Jacket Color	Yellow
Connector Color	Blue; White
Cable Jacket Material	LSZH
Cable Jacket Rating	OFNR
Cable Outer Diameter (OD)	3.0MM
Clad Diameter (microns)	125
Core Diameter (microns)	9
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
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; 400 Gbps
Wavelength	1310nm; 1550nm
Attenuation @ 1310NM	0.40dB/Km
Attenuation @ 1550NM	0.30dB/Km
Insertion Loss	0.30dB
CONNECTIONS	
Side A - Connector 1	LC DUPLEX (MALE)
Side B - Connector 1	LC DUPLEX (MALE)

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

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