

Important Note

Guaranteed compatibility when used with recommended cabling. Designed specifically for use with N820- and N821-Series cables.

40/100Gb OM4 Fiber Breakout Cassette with Built-In MTP Cables, 40Gb to 4 x 10Gb, 100Gb to 4 x 25Gb, (x3) 8-Fiber OM4 MTP/MPO to (x12) LC Duplex

MODEL NUMBER: **N482-3M8L12-B**



Installs in select Tripp Lite fiber chassis to connect 12 LC duplex fiber cables with three 8-fiber MTP/MPO connections in high-density network applications.

Description

The N482-3M8L12-B OM4 Fiber Breakout Cassette works in tandem with a N482-01U or N482-02U chassis (sold separately) to connect 12 LC duplex fiber cables with three 8-fiber MTP/MPO connections in high-density network applications. The cassette features three built-in 2-meter 8-fiber MTP cables. Color-coded magenta OM4 cables are easily distinguished from traditional aqua OM3 multimode fiber.

The cassette's modular design installs easily in the N482-01U and N482-02U chassis with no tools required. Just insert the cassette into the chassis, and screw in its retention clips to secure it. Plug LC Ethernet cables, such as N820-01M-T cables, into the cassette using the convenient push/pull tabs. Up to five N482-3M8L12-B cassettes fit in the N482-01U 1U enclosure panel, and up to 14 cassettes fit in the N482-02U 2U sleeve. Dust tabs protect unused ports from potential damage. Guaranteed compatibility when used with recommended cabling, including N820- and N821-Series cables.

The N482-3M8L12-B complies with IEEE 802.3ae (10 GbE) and ANSI T11.2 (Fibre Channel) requirements. Supports 40 GbE internally using OM4 fiber optic cable. Base-8 Fiber compatible with both QSFP+ 40GBASE-SR4 to SFP+ 10GBASE-SR and QSFP28 100GBASE-SR4 to SFP28 25GBASE-SR connections. Ideal for QSFP fabric switches that use eight out of 12 available MTP fibers for four-lane parallel optics to 40 GB, allowing all 12 LC duplex cassette ports to be used. Maximum insertion loss of 0.35 dB falls well under the IEEE 802.3ae maximum channel loss specification of <25 dB. This cassette also supports devices of varying speeds, including 10 GB and 40 GB network equipment.

With factory-terminated connectors that reduce time and labor, the N482-3M8L12-B is made from only the finest materials to ensure fast installations and optimal performance.

Features

Elegant, Simple Solution for 40 Gb to 10 Gb, or 100 Gb to 25 Gb, LC Cable Connections High-density fiber cassette for use with N482-01U and N482-02U fiber enclosure panels 3 magenta built-in 2-meter 8-fiber MTP multimode cables Connect up to 12 LC duplex fiber cables with 3 8-fiber OM4 MTP/MPO

Highlights

- For use with N482-01U or N482-02U chassis
- 3 magenta built-in 2-meter 8-fiber MTP multimode cables
- Guaranteed compatibility when used with recommended cabling
- Designed specifically for use with cables, such as the N820- and N821-Series cables
- Factory-terminated OM4 connectors
- Supports 40 GbE internally using OM4 fiber optic cable
- Base-8 Fiber compatible with both QSFP+ 40GBASE-SR4 to SFP+ 10GBASE-SR and QSFP28 100GBASE-SR4 to SFP28 25GBASE-SR connections
- Simple installation with no tools required

System Requirements

- QSFP switches that use 8-fiber per port to support 4 x LC 10 GB breakout
- Guaranteed compatibility when used with recommended cabling
- Designed specifically for use with N820- and N821-Series cables

Package Includes

- N482-3M8L12-B OM4 Fiber Breakout Cassette
- Owner's manual

connections Recommended for use with QSFP fabric switches to support 4 lanes parallel to 40 GB Supports 40 GbE internally using OM4 fiber optic cable Base-8 Fiber compatible with both QSFP+ 40 GbASE-SR4 to SFP+ 10 GbASE-SR and QSFP28 100 GbASE-SR4 to SFP28 25 GbASE-SR connections Guaranteed compatibility when used with recommended cabling Designed specifically for use with N820- and N821-Series cables

Simple Fiber Installations Save Time and Money Easy installation with no tools required Install up to 14 cassettes in N484-02U 2U chassis Install up to 5 cassettes in N484-01U 1U chassis

Easy to Modify, Upgrade or Expand Fiber Infrastructure By Adding or Swapping

Cassettes Complies with IEEE 802.3ae (10 GbE) and ANSI T11.2 (Fibre Channel) requirements 0.35 dB maximum insertion loss falls under IEEE 802.3ae maximum channel loss spec of <25 dB Supports devices of varying speeds, including 10 GB and 40 GB network equipment

Premium Construction for Optimal Performance Factory-terminated connectors reduce time and labor Dust caps protect unused ports

Specifications

OVERVIEW	
UPC Code	037332200853
Technology	Multimode
PHYSICAL	
Shipping Dimensions (hwd / in.)	2.00 x 13.20 x 4.50
Shipping Dimensions (hwd / cm)	5.08 x 33.53 x 11.43
Shipping Weight (lbs.)	0.60
Shipping Weight (kg)	0.27
CONNECTIONS	
Number of Ports	12
Side A - Connector 1	8-STRAND MTP/MPO (FEMALE)
Side B - Connector 1	LC DUPLEX (FEMALE)
FEATURES & SPECIFICATIONS	
Built-in Cables	Yes
STANDARDS & COMPLIANCE	
Product Compliance	RoHS
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Lifetime limited warranty



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