

## Fiber Optic Mode Conditioning Patch Cable (SC/LC), 1M (3-ft.)

MODEL NUMBER: **N424-01M**



### Description

Tripp Lite's Mode Conditioning Cables are designed for use in Gigabit Ethernet 1000BASE-LX applications. N424 series cables convert a Singlemode SC GBIC to an LC Multimode patch bay. They are fully compliant with IEEE 802.3z application standards. Mode Conditioning Cables are needed in applications where new high-speed Gigabit 1000BASE-LX routers and switches are being deployed into existing Multimode plants. The need for this patch cord is due to the single-mode launch nature of the -LX or long-wave (1300 nm) transceiver modules used for Gigabit Ethernet. Launching a single-mode laser into the center of a multimode fiber can cause multiple signals to be generated that confuses the receiver at the other end of the fiber. These multiple signals, caused by Differential Mode Delay (DMD) effects, severely limit the cable distance lengths for operating Gigabit Ethernet. A mode conditioning patch cord eliminates these multiple signals by allowing the single-mode launch to be offset away from the center of a multimode fiber.

### Features

- Use SC GBIC Singlemode Transceivers on Multimode Fiber Backbones with LC patch bays
- 62.5/125 and 8.3/125
- Offsets the Singlemode Laser launch from the center of a Multimode fiber
- Available in a variety of connector combinations

## Specifications

OVERVIEW	
Cable Type	Mode Conditioning
INPUT	
Cable Length (ft.)	3
Cable Length (m)	1

### Highlights

- Converts Singlemode SC GBIC to Multimode LC Patch Panel
- 62.5/125 and 8.3/125
- Run 1000Base-LX Gigabit Ethernet over MMF by offsetting signal loss

### Applications

- Use when connecting a LX, SC / GBIC type fiber transceiver ( Singlemode light ) to a Multimode backbone through an LC patch bay

### Package Includes

- SC / Mode Conditioning to LC Fiber Optic Patch Cable, 1M ( 3-ft. )



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
[www.tripplite.com](http://www.tripplite.com)

PHYSICAL	
Color	Orange; Yellow
CONNECTIONS	
Connector A	LC DUPLEX (MALE)
Connector B	SC DUPLEX (MALE)
Number of Connectors	4
WARRANTY	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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