

## Fiber Optic Mode Conditioning Patch Cable ( SC / Mode Conditioning to ST ), 3M (10-ft.)

MODEL NUMBER: N420-03M



### Highlights

- 3 Meter SC/Mode Conditioning to ST Fiber Patch Cable
- 62.5/125 and 8.3/125
- Run 1000Base-LX Gigabit Ethernet over MMF by offsetting signal loss
- IEEE 802.3z Gigabit Ethernet Compliant

### Description

Tripp Lites N420-03M, SC/Mode Conditioning to ST Fiber Patch Cable, is designed for use in Gigabit Ethernet 1000BASE-LX applications. 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

- SC / Mode Conditioning to ST Duplex Fiber Patch Cable - 3 Meter
- 62.5/125 and 8.3/125
- Use Singlemode Transceivers on Multimode Fiber Backbones
- Offsets the Singlemode Laser launch from the center of a Multimode fiber
- Available in a variety of connector combinations

## Specifications

OVERVIEW	
UPC Code	037332119193
Technology	Mode Conditioning



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

<b>INPUT</b>	
Cable Length (ft.)	9.8
Cable Length (m)	3
<b>PHYSICAL</b>	
Shipping Dimensions (hwd / in.)	0.250 x 5.900 x 8.500
Shipping Dimensions (hwd / cm)	0.64 x 14.99 x 21.59
Shipping Weight (lbs.)	0.1000
Shipping Weight (kg)	0.05
Color	Orange; Yellow
<b>CONNECTIONS</b>	
Side A - Connector 1	SC DUPLEX (MALE)
Side B - Connector 1	ST DUPLEX (MALE)
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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