

## 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
Clad Diameter	125 micron; 125 micorn



Core Diameter	62.5 micron; 8.3 micron
Number of Fibers	2
<b>INPUT</b>	
Cable Length (ft.)	9.8
Cable Length (m)	3
Cable Length (in.)	118.1
<b>PHYSICAL</b>	
Shipping Dimensions (hwd / in.)	0.25 x 5.90 x 8.50
Shipping Dimensions (hwd / cm)	0.64 x 14.99 x 21.59
Shipping Weight (lbs.)	0.10
Shipping Weight (kg)	0.05
Color	Orange; Yellow
Cable Jacket Rating	LSZH
<b>CONNECTIONS</b>	
Side A - Connector 1	SC DUPLEX (MALE)
Side B - Connector 1	ST DUPLEX (MALE)
<b>FEATURES &amp; SPECIFICATIONS</b>	
Technology	Mode Conditioning
<b>SPECIAL FEATURES</b>	
Push/Pull Tabs	No
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	Lifetime limited warranty

© 2019 Tripp Lite. All rights reserved. All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies: <https://www.tripplite.com/products/product-certification-agencies>