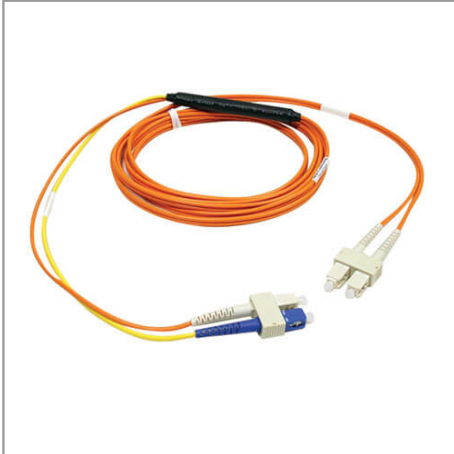# Fiber Optic Mode Conditioning Patch Cable (SC/SC), 3M (10-ft.)

MODEL NUMBER: **N426-03M**

Highlights

- 3 Meter SC/SC Mode Conditioning 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

Package Includes

- 3 Meter SC/SC Mode Conditioning Cable

Description

Tripp Lites Mode Conditioning Cables are 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

- Use Singlemode Transceivers on Multimode Fiber Backbones
- 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	
UPC Code	037332127297
Clad Diameter	125 micron; 125 micorn
Core Diameter	62.5 micron; 8.3 micron
Number of Fibers	2

INPUT	
Cable Length (ft.)	9.8
Cable Length (m)	3
Cable Length (in.)	118.1

PHYSICAL	
Shipping Dimensions (hwd / in.)	0.25 x 5.70 x 6.10
Shipping Dimensions (hwd / cm)	0.64 x 14.48 x 15.49
Shipping Weight (lbs.)	0.10
Shipping Weight (kg)	0.05
Color	Orange; Yellow
Cable Jacket Rating	LSZH

CONNECTIONS	
Side A - Connector 1	SC DUPLEX (MALE)
Side B - Connector 1	SC DUPLEX (MALE)

FEATURES & SPECIFICATIONS	
Technology	Mode Conditioning

SPECIAL FEATURES	
Push/Pull Tabs	No

WARRANTY	
Product Warranty Period (Worldwide)	Lifetime limited warranty