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

MODEL NUMBER: **N420-03M**

Highlights

- 3 Meter SC/ST 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

Applications

Use when connecting a LX type fiber transceiver (Singlemode light) to a Multimode backbone

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

- SC / ST Duplex Mode Conditioning 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	
Cable Type	Mode Conditioning
INPUT	
Cable Length (ft.)	10
Cable Length (m)	3

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