

## Mode Conditioning Patch Cord

OptiConcepts



### Applications

- Gigabit Ethernet 1000BASE-LX systems
- Network installation and upgrades

### Key Features & Benefits

- Avoids differential mode delay (DMD) signal degradation
- Look and feel of a regular patch cord
- Designed for long wave (LX) multimode applications
- Compliant with IEEE 802.3z application standards

### Overview

Mode Conditioning Patch Cords are designed for Gigabit Ethernet multimode systems using a 1300nm wavelength. These specialized cords help avoid differential mode delay signal (DMD) that may occur when long wave transceiver modules operate at both single-mode and multimode wavelengths. The Patch Cord causes the single-mode transceiver to create a launch similar to a typical multimode launch. The duplex multimode side of the patch cord is plugged into the Cable Plant side. The single-mode/multimode side of the patch cord is plugged directly into the equipment. Various Mode Conditioning Patch Cord lengths and connector styles are available.

### Specifications

Mode: 50  $\mu\text{m}$  or 62.5  $\mu\text{m}$

Fiber Count: 2

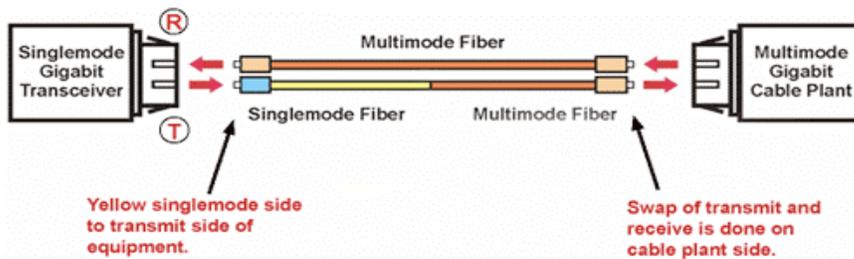
Cable Type: Riser or Plenum

Temperature Range: -25°C to 50°C

Humidity: 0 to 95%

Connector Type: FC, SC, ST, LC – Ultra and Angled Varieties (other styles available upon request)

## Mode Conditioning Patch Cord



### Ordering Information

#### MC Standard Part Number Configuration

##### MCAB-CD-EF

[PN Example: MCR6-36-1M = 62.5um, Riser, SC conditioned/LC, 1 meter length]

A. Cable Type

Riser=R Plenum=P

B. Fiber Type

62.5um=6 50um=5

C. Connector, Equipment Side

FC=1 FC Angle=2 SC=3 SC Angle=4 ST=5 LC=6 None=X

D. Connector, Cable Plant Side

FC=1 FC Angle=2 SC=3 SC Angle=4 ST=5 LC=6 None=X

E. Fiber Length

1-3 digit number depending on length

F. Unit of Measure

Meter=M Feet=F

### Quality Statement

OptiConcepts is committed to providing customers with high quality, easy to use test equipment by integrating customer requirements with world-class engineering to create systems that reflect the needs of the market at an affordable price.



*designed and built in America*