

## MODE CONDITIONED PATCHCORD

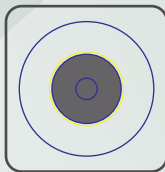


Lightem Mode Conditioning Patchcord (LMCP) is used for Gigabit Ethernet application, where a laser is used as the source and Multimode fiber is used as the transmission media. When a laser is launched directly into the Multimode fiber, a phenomenon called "Differential Mode Delay" (DMD) generate multiple signals in the fiber. The DMD effect increase the error bit rate and reduce the performance of the Gigabit Ethernet. With the Mode Conditioning Patchcord in placed, the DMD effect is eliminated and the overall bandwidth is improved. Together with our stringent quality management, we guarantee our Mode Conditioning Patchcord meet or exceed industrial standard both optically and mechanically, which ensure your peace of mind patching installation.

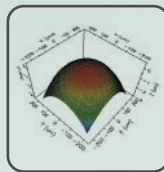
### Features

- Plug and play with custom built length
- Fully compliant with IEEE802.3z
- Eliminate Dispersion Mode Delay (DMD) effect
- Available in 50/125 or 62.5/125um Multimode Fiber
- Cable material: PVC or LSZH
- Optical test based on JDS and RIFOS Testing equipments

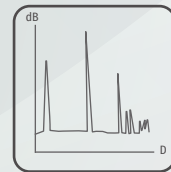
### 100% Lightem Assurance



Connector Surface Inspection



Geometric Inspection



Optical Inspection

### Specifications

Connector type	Equipment side	Cable Plant side
Fiber Type	Singlemode	Multimode
Insertion loss (dB)	< 0.3	< 0.3
Return loss (dB)	> 50	> 25
Core / Cladding size	9/125µm	50/125µm or 62.5/125µm
Jacket type	PVC or LSZH	
Operating temperature	-40 ~ +85 °C	

\* Includes FC, SC, ST, LC, MU, FDDI, ESCON connectors

### Ordering Information

