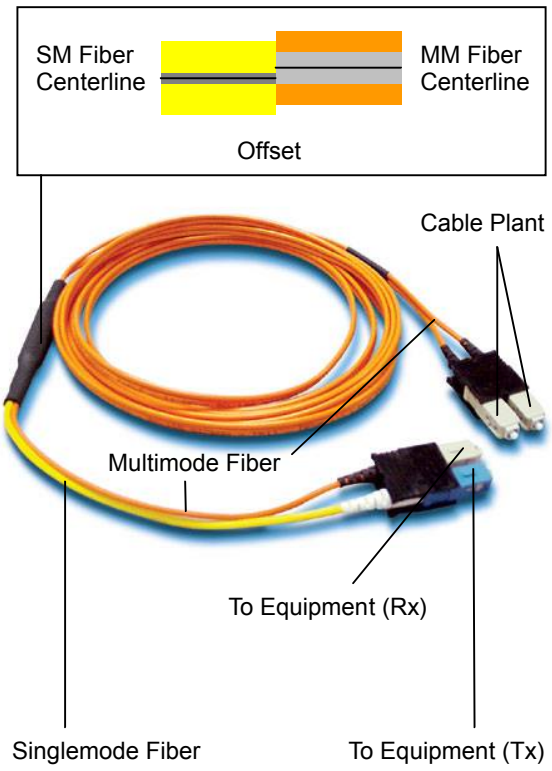
MODE CONDITIONING PATCHCORD

RoHS Ready

Patchcord

Mode Conditioning Patchcord (MCP), also known as Gigabit Launch Patchcord, is used in longwave/long haul (LX/LH) Gigabit Interface Converter (GBICs) with multimode fiber. Without using MCP, multiple signals are generated when a singlemode laser launch into the center of a multimode fiber. This would result in pulse broadening or Differential Model Delay (DMD) effects which degrade the modal bandwidth of fiber cable and limit the link span (the distance between the transmitter and receiver) for operating Gigabit Application. MCP provides an offset singlemode to multimode fiber connector point that eliminates the effect of DMD by launching the singlemode laser into multimode core at a specified offset.



Applications:

- Long Haul to Short Haul LX Gigibit System
- Recommended for multimode cable runs greater than 50 feets
- Gigabit Ethernet 1000Base-LX (1300nm long wavelength)

Features:

- Eliminates issues related to Differential Mode Delay (DMD)
- Compliant with IEEE 802.3z
- Rugged Offset Closure with Consistent Offset
- Low Insertion Loss (<0.4dB)
- Available with 50um and 62.5um multimode cable

Length Tolerance:

Length	Tolerance
Less than 1m	+10cm / -0cm
1m to less than 5m	+10% / -0%
5m to less than 20m	+7% / -0%
Greater than 20m	+5% / -0%

Bismon®

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Ordering Information:

GMCP — □□ — □□ — □□ — □□□□

Connector for Equipment Side

C8: SC Type
T8: ST Type
L8: LC Type
F8: FC Type

Connector for Plant Side

C8: SC Type
T8: ST Type
L8: LC Type
M8: MTRJ Type
F8: FC Type

Cable Type

05: 62.5/125µm, Riser
08: 50/125µm, Riser

Cable Length

0010: 1 meter
0015: 1.5 meter
9990: 999.0 meter

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