

Product description

The mode conditioning patchcord (MCP) was developed as a solution for network applications where Gigabit Ethernet hubs with laser based transmitters are deployed. Most existing customer fiber plant is designed with multimode fiber and distance considerations in accordance with IEEE 802.3 FOIRL, EIA/TIA568A, ISO11801 or EN50173 standards; i.e. >100m and <2000m, supporting 10 & 100Mbps Ethernet transmissions. The MCP is the mean to achieve the drive distance of installed fiber plant beyond its original intended applications. It allows customer upgrading their hardware technology without the cost of upgrading fiber plant. In addition, MCP significantly improves data signal quality while increasing the transmission distance.



Applications

- Constructed in compliance with IEEE802.3z application standard
- Eliminates Differential Mode Delay (DMD) effects
- Used in place of a 850nm or 1300nm Gigabit Ethernet standard multimode duplex patchcord
- Vcsel laser source into standard multimode fiber!

Advantages

- Increased transmission bandwidth by as much as 4 times
- Low insertion loss (<0,85dB, normally <0,5)
- Reduced modal noise
- Easy installation
- Various connector options
- Construction that will never require additional calibration

Parameters

Insertion Loss (Transmit):	< 0,85dB per mated connector pair for Wavelength 850nm and 1300nm
Insertion Loss (Receive):	<0,3dB (0,2dB typical)
Assembly Length:	standardly 1, 2, 3, 5 m or different
Connectors:	LC, ST, SC, FC
Cable:	multimode 62.5/125 2.8mm or 50/125 2.8mm, and singlemode 9/125 2,8mm

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Description					
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