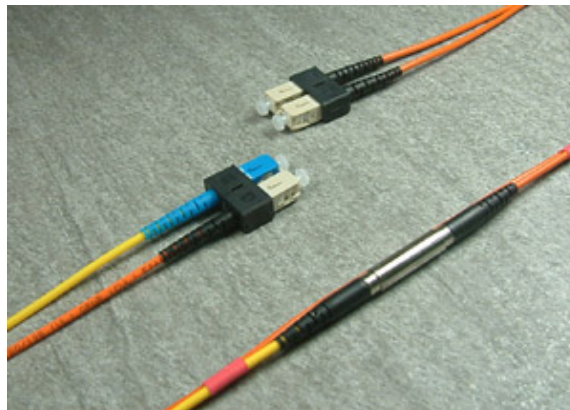




## MODE CONDITIONING PATCH CORDS

### Description

Our mode conditioning patch cords(MCP) are designed to eliminate Differential Mode Delay(DMD) effects which can occur when a single mode signal is launched into a multimode fiber. They are especially suitable for applications where new Gigabit 1000 BASE-LX routers or switches are being deployed into existing multimode plants. They allow customers an upgrade of their hardware technology without the costly upgrade of their fiber plant. Besides, the MCPs significantly improve data signal quality and increase the transmission distance.



Each of our MCPs has rugged and compact device closure with rubber boots to protect cable from side pulling. Flame retardant grade cable sheathing options are offered. Riser rated cable will be provided as standard. LSZH and Plenum can be provided upon request.

### Features

- IEEE802.3z(Gigabit Ethernet) compliant
- Suitable for Gigabit 1000 BASE-LX on multimode cable
- Eliminate Differential Mode Delay effects
- Tested and approved to Gigabit Ethernet protocols - Coupled Power Ratio (CPR)
- Function like standard patch cords
- Riser, Plenum, and LSZH cables available

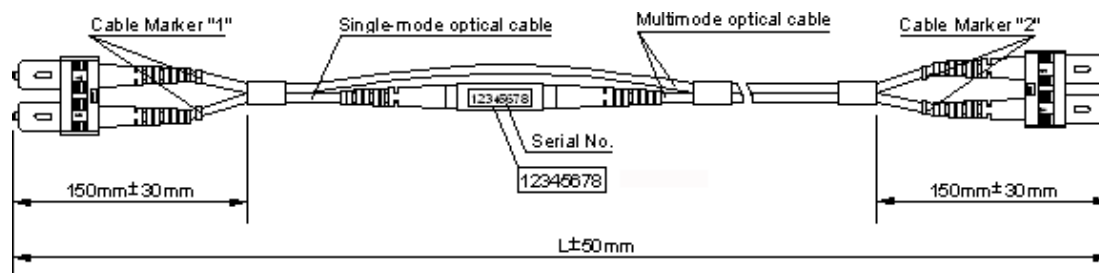
### Applications

- Gigabit Ethernet hardware upgrade

### Specifications

Characteristics	Unit	62.5um	50um
Attenuation (SM to MM)	dB	≤0.5	
Return Loss (SM to MM)	dB	≥26	
Coupled Power Ratio (CPR)	dB	28 - 40	12 -20
LX(1310nm) Operating Distance	m	550	500
Tensile strength	kg	≥10	
Operating Temperature	°C	-10 ~ +70	
Storage Temperature	°C	-40 ~ +70	

## Dimensional Drawing



## Ordering Information

Part Number: **MCP-S T K R 3.0- 2**

**1 2 3 4 5 6**

- |          |                         |                                |
|----------|-------------------------|--------------------------------|
| <b>1</b> | Connectors to Equipment | S=SC, T=ST, MR=MTRJ, L=LC, etc |
| <b>2</b> | Connectors to Plant     | S=SC, T=ST, MR=MTRJ, L=LC, etc |
| <b>3</b> | Fiber Type              | R=SM, K=62.5um, C=50um         |
| <b>4</b> | Cable Jacket            | R=Riser, P=Plenum, L=LSZH      |
| <b>5</b> | Cable Diameter          | 3.0=Ø3.0mm, 2.0=Ø2.0mm, etc.   |
| <b>6</b> | Cable Length            | Length in meter, i.e. 2=2m     |

Products manufactured in  
ISO 9001 certified facilities



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