



## Mode Conditioning Patch Cords

High quality mode conditioning patch cords designed for the use of 1310nm laser switches in multimode 62.5/125 and 50/125 installations. These patch cords allow a much higher bandwidth by providing an off-center launch in to the multimode fibre and aligning a singlemode termination at the laser transmitter.

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## Features

- Available with multiple connector options
  - Low insertion loss and reduced modal noise
  - Increased transmission bandwidth
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## Applications

- Applications that require Multimode network connection to Singlemode transmitter

## Specifications

DESCRIPTION	62.5MM MMF	50MM MMF
Operating wavelength	1310nm	
Maximum insertion loss	0.5dB	
Coupled power ratio (CPR)	28 to 40dB	12 to 20dB
Back reflection S/M channel	30dB	
Back reflection M/M channel	20dB	
Connector finish	PC or APC	
Ferrule radius of curvature	10 to 25mm	
Fibre height	-50 to 50 nm	
Maximum angular offset	1°	
Sheath colour	Orange (yellow for SM leg)	Orange (yellow for SM leg)

### DESCRIPTION

Temperature Cycling	(IEC 61300-2-22) -40 to +75°C, 40 cycles, = 0.2dB Change
Damp Heat	(IEC 61300-2-19) 60°C at 95% RH, 96 hours, = 0.2dB Change
Vibration (Mated Pair)	(IEC 61300-2-1) 10-55Hz, 1.5mm P to P, = 0.2dB Change
Mating Durability	(IEC 61300-2-2), 1000 mating cycles, clean every 25, <0.2dB Change
Operating Temperature	(IEC 61300-2-22) -20 to +60°C

## Patch Cord Specification

### SPECIFICATION

Connectors available Types	FC, ST, SC, LC
Product Packaging	Each patchcord is packaged individually and individually identified for traceability, test certification is supplied for each assembly
Length	2000mm ± 10mm Other lengths available to order

## Ordering Information

	Connector A		Connector B		Fibre Type		Length	
	Code	Type	Code	Type	Count	Type	Code	Value
OPCMC	00	LC	00	LC	1	OM1	01	1m
	02	SC	02	SC	2	OM2	02	2m
	04	ST	04	ST			03	3m
	05	FC	05	FC			05	5m
							10	10m
							...	....
							xx	Specify

## Example order code

OPCMC - 05 00 - 2 - 05

Mode Conditioning Patch Cord FC to LC OM2

## Technical Drawing

