



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.

Applications

- Applications that require Multimode network connection to Singlemode transmitter

Features

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

Specifications

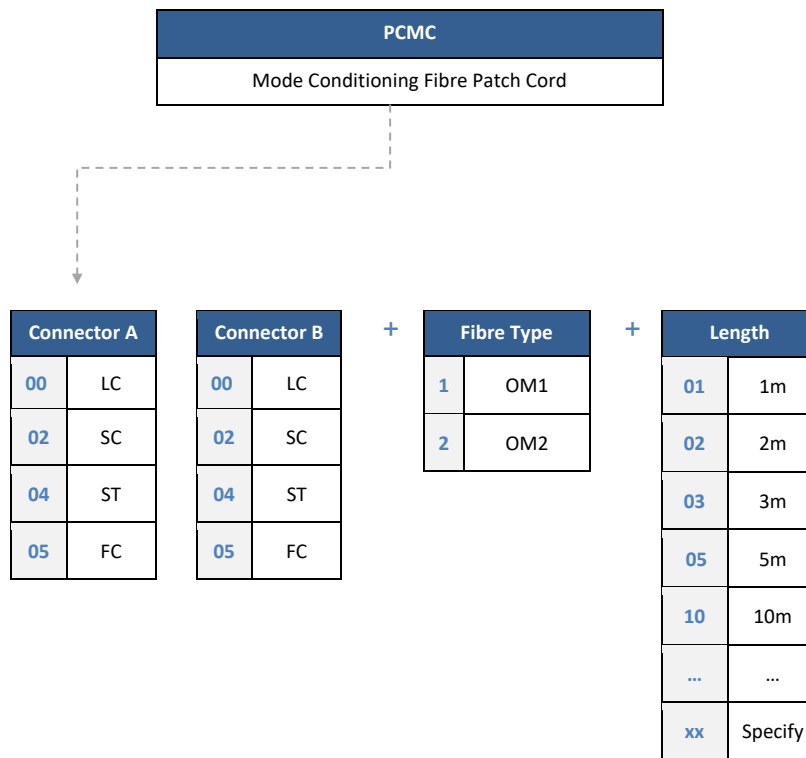
DESCRIPTION	62.5MM MMF	50MM MMF
Operating wavelength	1310nm	
Maximum insertion loss	0.5dB	
Coupled power ratio (CPR)	28 to 40dB	12 to 20dB
Back reflection S/M channel	30dB	
Back reflection M/M channel	20dB	
Connector finish	PC or APC	
Ferrule radius of curvature	10 to 25mm	
Fibre height	-50 to 50 nm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



Examples:

PCMC-0500-2-05 – Mode Conditioning Patch Cord FC to LC OM2

Technical Drawing

