

# Polarization Maintaining Fiber Optical Patch Cable

400nm to 680nm



These polarization-maintaining fiber optic patch cables are terminated on both ends with high-quality, narrow key, ceramic FC/PC connectors, featuring high-quality polish with a typical return loss of 50 dB. Each cable is individually tested to ensure the specified extinction ratio and insertion loss at fiber-to-fiber junctions. Each patch cable includes two protective caps that shield the ferrule ends from dust and other hazards. Each cable comes with a mating connector adaptor for ease of use.

## Features

- FC/PC Narrow Key Connector
- Aligned to Slow Axis
- High Polish with >50dB RL
- Ceramic Radiused Ferrules
- 3mm Protective Jacket
- Custom Cable Available

## Specifications

Parameter	Min	Typical	Max	Unit
Wavelength	400		680	nm
Insertion Loss		1.2	1.5	dB
Extinction Ratio	15	17		dB
Mode Diameter	2.8	3.3	3.8	µm
Return Loss	50			dB
Fiber Type	PM 405			
Jacket	3mm tube			
Connector Type	Narrow Key FC/PC			

## Applications

- Test
- Instrument/System

## Ordering Information

Prefix	Wavelength	Length	ER	Power	Key Aligned	Fiber	Connector1	Connector2
FCPM-	405nm = 1	1m = A1 5m = A5 12m = 12 Special = 00	Non = N 23dB = 1 25dB = 2 Special = 0	Regular = 1 2W = 2 5W = 5 Special = 0	Slow Axis = 1 Fast Axis = 2 Unlocked <sup>[1]</sup> = 3 Special = 0	PM405 = 1 Special = 0	FC/PC = 1 FC/APC=2 SC/UPC=3 SC/APC=4 LC/UPC=5 LC/APC=6 Special=0	FC/PC = 1 FC/APC=2 SC/UPC=3 SC/APC=4 LC/UPC=5 LC/APC=6 Special=0

[1]. Unlocked means the axis is free rotating  
Fiber Cable PM  
Red Color indicates special order