

# 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
- 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           |         |     |      |
| Connector Type   | Narrow Key FC/PC |         |     |      |

## Applications

- Test
- Instrument/System

## Ordering Information (Part Number)

| Prefix | Wavelength | Length <sup>[1]</sup>                          | PER                                             | Power                                                    | Key Aligned                                                                  | Fiber                    | Fiber Cover                                      | Connector1                                                                                     | Connector2                                                                                     |
|--------|------------|------------------------------------------------|-------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------|--------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| FCPM-  | 405nm = 1  | 1m = A1<br>5m = A5<br>12m = 12<br>Special = 00 | 18dB = 1<br>23dB = 2<br>25dB = 3<br>Special = 0 | Regular = R<br>1W = 1<br>2W = 2<br>3W = 3<br>Special = 0 | Slow Axis = 1<br>Fast Axis = 2<br>Unlocked <sup>[2]</sup> = 3<br>Special = 0 | PM405 = 1<br>Special = 0 | 0.9mm = 1<br>3mm = 2<br>Armor = 3<br>Special = 0 | FC/PC = 1<br>FC/APC = 2<br>SC/UPC = 3<br>SC/APC = 4<br>LC/UPC = 5<br>LC/APC = 6<br>Special = 0 | FC/PC = 1<br>FC/APC = 2<br>SC/UPC = 3<br>SC/APC = 4<br>LC/UPC = 5<br>LC/APC = 6<br>Special = 0 |

[1]. Any length is available to order

[2]. Unlocked means the axis is free rotating

Fiber Cable PM

Red Color indicates special order

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P +1 781-935-1200

E sales@photonwares.com

W www.agiltron.com

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