

For current pricing, please see our website.

CHAPTERS

Fiber Patch Cables

Bare Fiber

Fiber Optomechanics

Fiber Components

Test and Measurement

SECTIONS

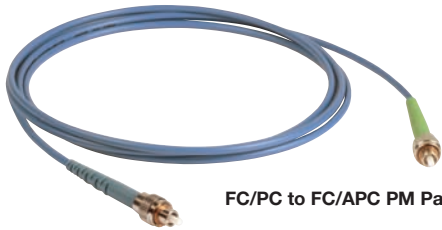
SM Patch Cables

PM Patch Cables

MM Patch Cables

Fiber Bundles

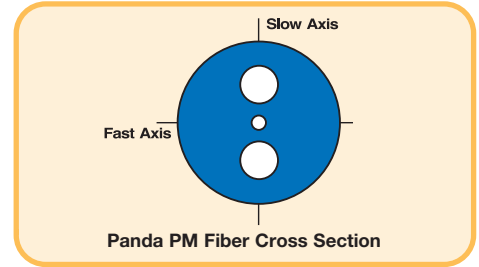
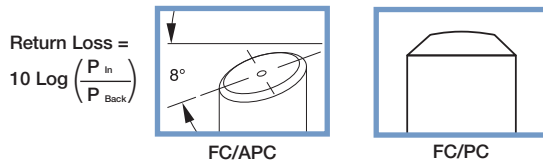
## Polarization-Maintaining Patch Cables: FC/PC to FC/APC



FC/PC to FC/APC PM Patch Cable

### Features

- FC/PC to FC/APC Cables with 2 mm Narrow Key Connectors
- Options for Transmission from 460 to 1620 nm
- Panda Style Fibers with Connector Key Aligned to Slow Axis
- Ø3 mm Blue Furcation Tubing
- Return Loss: 60 dB (Typ.)
- Length Tolerance: ±0.1 m
- Polarization Axis to Key Tolerance: ±3°
- Cladding: Ø125 µm
- NA: 0.12



These are our stock polarization-maintaining (PM) fiber patch cables with an FC/PC connector on one end and an FC/APC connector on the other end. Each cable is manufactured at our facility on state-of-the-art equipment and is individually tested to ensure its polarization extinction ratio and low back reflection (high return loss) at fiber-to-fiber junctions. All of the cables on this page feature Ø3 mm furcation tubing, which provides Kevlar threads within the tubing to protect the fiber optic.

If you do not see an FC/PC to FC/APC polarization-maintaining patch cable suitable for your application here, please contact your local Thorlabs office or visit [www.thorlabs.com/customcable](http://www.thorlabs.com/customcable).

ITEM #	OPERATING λ	TEST λ	MFD <sup>a</sup>	FIBER	ER <sup>b</sup>	IL <sup>c</sup>	L <sup>d</sup>	\$	£	€	RMB
P5-488PM-FC-2	460 – 700 nm	488 nm	3.3 µm @ 515 nm	PM460-HP (Page 1028)	18 dB	1.5 dB	2 m	\$ 213.00	£ 153.36	€ 185,31	¥1,697.61
P5-630PM-FC-2	620 – 820 nm	630 nm	4.5 µm @ 630 nm	PM630-HP (Page 1028)	20 dB	1.2 dB	2 m	\$ 173.00	£ 124.56	€ 150,51	¥1,378.81
P5-780PM-FC-2	770 – 1100 nm	780 nm	5.3 µm @ 850 nm	PM780-HP (Page 1028)	20 dB	1.0 dB	2 m	\$ 154.00	£ 110.88	€ 133,98	¥1,227.38
P5-780PM-FC-5							5 m	\$ 213.00	£ 153.36	€ 185,31	¥1,697.61
P5-980PM-FC-2	970 – 1550 nm	980 nm	6.6 µm @ 980 nm	PM980-XP (Page 1029)	22 dB	0.7 dB	2 m	\$ 160.00	£ 115.20	€ 139,20	¥1,275.20
P5-1064PM-FC-2	970 – 1550 nm	1064 nm	7.2 µm @ 1064 nm	PM980-XP (Page 1029)	22 dB	0.7 dB	2 m	\$ 160.00	£ 115.20	€ 139,20	¥1,275.20
P5-1310PM-FC-2	1270 – 1625 nm	1310 nm	9.5 µm @ 1300 nm	PM1300-HP (Page 1029)	23 dB	0.5 dB	2 m	\$ 155.00	£ 111.60	€ 134,85	¥1,235.35
P5-1550PM-FC-2	1440 – 1625 nm	1550 nm	10.5 µm @ 1550 nm	PM1550-HP (Page 1029)	23 dB	0.5 dB	2 m	\$ 160.00	£ 115.20	€ 139,20	¥1,275.20

<sup>a</sup>Mode Field Diameter, Nominal

<sup>b</sup>Minimum Extinction Ratio at Test Wavelength

<sup>c</sup>Maximum Insertion Loss at Test Wavelength

<sup>d</sup>Length

## Have you seen our...

### PM Mating Sleeves



- ◆ FC/PC to FC/PC or FC/APC to FC/APC
- ◆ Narrow (2.0 mm) or Wide (2.1 mm) Key Connectors
- ◆ High Tolerances for PM Applications

For more details, see page 1138

### PM FC/PC Connectors



- ◆ Adjustable Key Connector
- ◆ For Fibers with Ø125 µm Cladding
- ◆ Includes Ø900 µm and Ø3 mm Boots

For more details, see page 1142