

For current pricing, please see our website.

CHAPTERS

Fiber Patch Cables

Bare Fiber

Fiber Optomechanics

Fiber Components

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SECTIONS

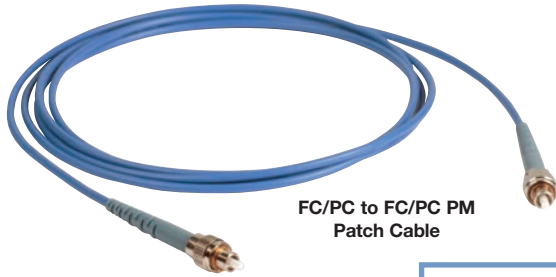
SM Patch Cables

PM Patch Cables

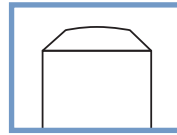
MM Patch Cables

Fiber Bundles

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



FC/PC to FC/PC PM Patch Cable



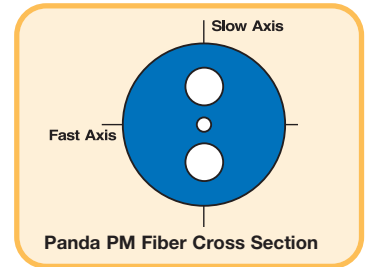
FC/PC

### Features

- FC/PC Connectors with 2 mm Narrow Keys on Both Ends
- Options for Transmission from 460 to 1625 nm
- Panda Style Fibers with Connector Key Aligned to Slow Axis
- Ø3 mm Blue Furcation Tubing
- Return Loss: 50 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 FC connectors and PC polishes on both ends. 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/PC 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).



Panda PM Fiber Cross Section

ITEM #	OPERATING $\lambda$	TEST $\lambda$	MFD <sup>a</sup>	FIBER	ER <sup>b</sup>	IL <sup>c</sup>	L <sup>d</sup>	\$	£	€	RMB
P1-488PM-FC-2	460 – 700 nm	488 nm	3.3 µm @ 515 nm	PM460-HP (Page 1028)	18 dB	1.5 dB	2 m	\$ 198.00	£ 142.56	€ 172,26	¥1,578.06
P1-488PM-FC-5							5 m	\$ 292.00	£ 210.24	€ 254,04	¥2,327.24
P1-630PM-FC-2	620 – 820 nm	630 nm	4.5 µm @ 630 nm	PM630-HP (Page 1028)	20 dB	1.2 dB	2 m	\$ 157.00	£ 113.04	€ 136,59	¥1,251.29
P1-630PM-FC-5							5 m	\$ 221.00	£ 159.12	€ 192,27	¥1,761.37
P1-780PM-FC-2	770 – 1100 nm	780 nm	5.3 µm @ 850 nm	PM780-HP (Page 1028)	20 dB	1.0 dB	2 m	\$ 138.00	£ 99.36	€ 120,06	¥1,099.86
P1-780PM-FC-5							5 m	\$ 198.00	£ 142.56	€ 172,26	¥1,578.06
P1-980PM-FC-2	970 – 1550 nm	980 nm	6.6 µm @ 980 nm	PM980-XP (Page 1029)	22 dB	0.7 dB	2 m	\$ 144.00	£ 103.68	€ 125,28	¥1,147.68
P1-980PM-FC-5							5 m	\$ 213.00	£ 153.36	€ 185,31	¥1,697.61
P1-1064PM-FC-2	970 – 1550 nm	1064 nm	7.2 µm @ 1064 nm	PM980-XP (Page 1029)	22 dB	0.7 dB	2 m	\$ 144.00	£ 103.68	€ 125,28	¥1,147.68
P1-1064PM-FC-5							5 m	\$ 213.00	£ 153.36	€ 185,31	¥1,697.61
P1-1310PM-FC-2	1270 – 1625 nm	1310 nm	9.5 µm @ 1300 nm	PM1300-HP (Page 1029)	23 dB	0.5 dB	2 m	\$ 144.00	£ 103.68	€ 125,28	¥1,147.68
P1-1310PM-FC-5							5 m	\$ 213.00	£ 153.36	€ 185,31	¥1,697.61
P1-1550PM-FC-2	1440 – 1625 nm	1550 nm	10.5 µm @ 1550 nm	PM1550-HP (Page 1029)	23 dB	0.5 dB	2 m	\$ 144.00	£ 103.68	€ 125,28	¥1,147.68
P1-1550PM-FC-5							5 m	\$ 213.00	£ 153.36	€ 185,31	¥1,697.61

<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...



## Custom Patch Cables

- ◆ Same-Day Turnaround on Most Orders Before 12:00 pm Eastern
- ◆ FC/PC, FC/APC, SMA, ST, SC, LC, and Cleaved Options
- ◆ Single Mode, Polarization-Maintaining, and Multimode Fibers

See [www.thorlabs.com/customcable](http://www.thorlabs.com/customcable)