

Single Mode Patch Cables: FC/APC to FC/APC

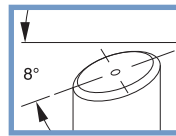
Features

- FC/APC Connectors with 2 mm Narrow Keys on Both Ends
- Options for Transmission from 305 to 2100 nm
- Insertion Loss
 - 0.2 dB (Typical)
- Ø3 mm Yellow Furcation Tubing
- Return Loss
 - 60 dB (Typical)
- Length Tolerance
 - +7.5/-0 cm
- Custom Cables Available with Same-Day Turnaround



FC/APC to FC/APC Patch Cable

$$\text{Return Loss} = 10 \text{ Log} \left(\frac{P_{\text{In}}}{P_{\text{Back}}} \right)$$



FC/APC

These are our stock single mode fiber patch cables with FC connectors and APC polishes on both ends. Each cable is manufactured at our facility on state-of-the-art equipment. We individually test each cable to ensure 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/APC to FC/APC single mode patch cable suitable for your application here, please contact your local Thorlabs office or visit www.thorlabs.com/customcable.

Have you seen our...
Fiber Cleaning

See page 1156

sITEM #	OPERATING λ	CUTOFF λ	MFD ^b	CLAD	NA ^c	FIBER	L ^d	\$	£	€	RMB	
P3-305A-FC-1	305 – 450 nm	<300 nm	1.9 μm @ 305 nm 3.0 μm @ 450 nm	Ø125 μm	0.13	SM300 (Page 1020)	1 m	\$ 100.00	£ 72.00	€ 87.00	¥ 797.00	NEW
P3-405A-FC-1	400 – 550 nm	350 – 390 nm	3.2 μm @ 460 nm	Ø125 μm	0.12	S405-HP (Page 1020)	1 m	\$ 93.70	£ 67.46	€ 81.52	¥ 746.79	NEW
P3-405A-FC-2							2 m	\$ 100.00	£ 72.00	€ 87.00	¥ 797.00	NEW
P3-405A-FC-5							5 m	\$ 114.00	£ 82.08	€ 99.18	¥ 908.58	NEW
P3-460A-FC-1	450 – 600 nm	410 – 450 nm	3.5 μm @ 515 nm	Ø125 μm	0.13	460HP (Page 1020)	1 m	\$ 90.00	£ 64.80	€ 78.30	¥ 717.30	NEW
P3-460A-FC-2							2 m	\$ 97.00	£ 69.84	€ 84.39	¥ 773.09	
P3-460A-FC-5							5 m	\$ 114.00	£ 82.08	€ 99.18	¥ 908.58	
P3-630A-FC-1	600 – 800 nm ^a	500 – 600 nm	4.3 μm @ 633 nm	Ø125 μm	0.12	SM600 (Page 1021)	1 m	\$ 82.00	£ 59.04	€ 71.34	¥ 653.54	NEW
P3-630A-FC-2							2 m	\$ 87.00	£ 62.64	€ 75.69	¥ 693.39	
P3-630A-FC-5							5 m	\$ 100.00	£ 72.00	€ 87.00	¥ 797.00	
P3-780A-FC-2	780 – 970 nm	700 – 760 nm	5.0 μm @ 850 nm	Ø125 μm	0.13	780HP (Page 1021)	2 m	\$ 108.00	£ 77.76	€ 93.96	¥ 860.76	NEW
P3-780A-FC-5							5 m	\$ 123.00	£ 88.56	€ 107.01	¥ 980.31	NEW
P3-830A-FC-1	800 – 1000 nm ^a	660 – 800 nm	5.6 μm @ 830 nm	Ø125 μm	0.12	SM800-5.6-125 (Page 1021)	1 m	\$ 79.00	£ 56.88	€ 68.73	¥ 629.63	NEW
P3-830A-FC-2							2 m	\$ 84.00	£ 60.48	€ 73.08	¥ 669.48	
P3-830A-FC-5							5 m	\$ 94.00	£ 67.68	€ 81.78	¥ 749.18	
P3-980A-FC-1	970 – 1650 nm ^a	870 – 970 nm	5.8 μm @ 980 nm	Ø125 μm	0.14	SM980-5.8-125 (Page 1022)	1 m	\$ 80.00	£ 57.60	€ 69.60	¥ 637.60	NEW
P3-980A-FC-2			6.2 μm @ 1064 nm				2 m	\$ 85.00	£ 61.20	€ 73.95	¥ 677.45	
P3-980A-FC-5			10.4 μm @ 1550 nm				5 m	\$ 96.00	£ 69.12	€ 83.52	¥ 765.12	NEW
P3-SMF28E-FC-1	1260 – 1625 nm	<1260 nm	9.2 μm @ 1310 nm	Ø125 μm	0.14	SMF-28e+ (Page 1023)	1 m	\$ 58.90	£ 42.41	€ 51.24	¥ 469.43	NEW
P3-SMF28E-FC-2							2 m	\$ 59.60	£ 42.91	€ 51.85	¥ 475.01	NEW
P3-SMF28E-FC-5							5 m	\$ 60.80	£ 43.78	€ 52.90	¥ 484.58	NEW
P3-1550A-FC-1	1460 – 1620 nm	1350 – 1450 nm	9.5 μm @ 1550 nm	Ø125 μm	0.13	1550BHP (Page 1023)	1 m	\$ 46.60	£ 33.55	€ 40.54	¥ 371.40	NEW
P3-1550A-FC-2							2 m	\$ 93.00	£ 66.96	€ 80.91	¥ 741.21	
P3-1550A-FC-5							5 m	\$ 114.00	£ 82.08	€ 99.18	¥ 908.58	
P3-2000-FC-2	1700 – 2100 nm	<1700 nm	13 μm @ 1996 nm	Ø125 μm	0.11	SM2000 (Page 1024)	2 m	\$ 105.00	£ 75.60	€ 91.35	¥ 836.85	NEW

^aThe wavelength range given is an estimate and is not tested & guaranteed for the fiber.

^bMode Field Diameter, Nominal

^cNumerical Aperture, Nominal

^dLength