

ARTISAN®
TECHNOLOGY GROUP

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Find the *Fiber Control Industries FPC-1* at our website: ***Click HERE***



FIBER CONTROL INDUSTRIES polarization controller's unique user-friendly design utilizes stress-induced birefringence to alter and control the state-of-polarization of light in single-mode fibers. Each paddle acts as a fractional waveplate. Complete coverage of the Poincaré sphere and polarization control is provided by adjusting the angles of the paddles.

The multiple channel diameters were designed to maximize end-user flexibility over a variety of wavelengths and applications. Originally patented at Stanford University by Hervé C. Lefèvre, this product is fully licensed.

Immediate Delivery

FIBER CONTROL INDUSTRIES

P.O. Box 198
Holmdel,
New Jersey 07733
U. S. A.

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Tel • +1-732-332-1860
Fax • +1-732-332-1861

info@fibercontrol.com
www.fibercontrol.com

☆☆ FULLY LICENSED ☆☆

FEATURES:

- Easy top-down fiber loading with paddles in locked position (no tools required)
- Dual diameter channels in each paddle broaden the wavelength operation of one fiber type
- Accommodates both 900 µm buffer and 250 µm bare fiber
- Sure grip pliable caps easily secure fiber in paddles
- Small footprint, lightweight design
- Multidirectional placement on optical table with 1/4" x 20 or M6 screws
- Smooth adjustable rotation
- Inserts quickly into fiber-based systems without splicing
- Multiple color paddles enhance identification for WDM

SPECIFICATIONS:

- Extinction Ratio (typical) 35 dB†
- Insertion Loss (typical) ≤ 0.1 dB†
- PDL (typical) 0.003dB
- Footprint Dimensions: 1.0" x 5.9"
  25.4 mm x 150 mm
- Broadband operation: 500 nm to 1600 nm

† measured with Lucent SMF, two loops outer channel, at 1550 nm

When ordering, select from the option tables below:

FPC – 1 __ – ___ – ___ – __ PC – __

Paddle Color:	
Red	1
White	2
Blue	3
Yellow	4
Green	5
Orange	6
Assorted	7

Buffer:	
Bare fiber	2
Buffer 900 µm	9

Connector Polish:	
≤ -60 dB	A
≤ -50 dB	U

Operating Wavelength:	
1450 - 1570 nm	1
1270 - 1350 nm	2
950 - 1200 nm	3
780 - 900 nm	4
620 - 700 nm	5
470 - 600 nm	6

Fiber Type:	
None	0
Lucent SMF	1
Lucent DSF	2
3M (80 µm)	3
3M (125 µm)	4
Corning CS-980	5
Corning Flexcore-1060	6
Other	7

Buffer Color:	
Red	1
White	2
Blue	3
Yellow	4
Green	5
Orange	6
Assorted	7

Connector Type:	
	FC
	SC
	ST
	D4
Biconic	BC

Connectors:	
Pigtail (one connector)	P
Jumper (two connectors)	J

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We're here to make your life easier. How can we help you today?

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