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PM Fiber Patch Cables



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# Fiber to Fiber U-Bench: Adjustable

## Features

- Adjustable Collimation/Coupling for Applications Requiring Flexibility
- Three Wavelength Ranges
  - 400 – 600 nm
  - 600 – 1050 nm
  - 1050 – 1600 nm
- Coating Performance:  $R_{avg} < 0.5\%$
- Five Axes of Adjustment on Each FiberPort
- Rough Aligned at 633 nm (-A), 780 nm (-B), and 1310 nm (-C)
- Factory-Aligned Versions Available Upon Request

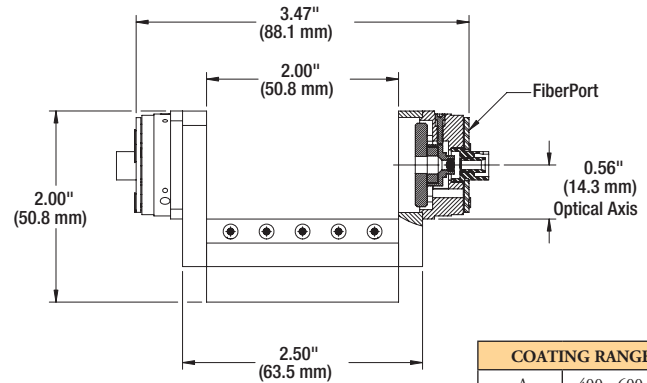


NEW products

FBP-A-FC

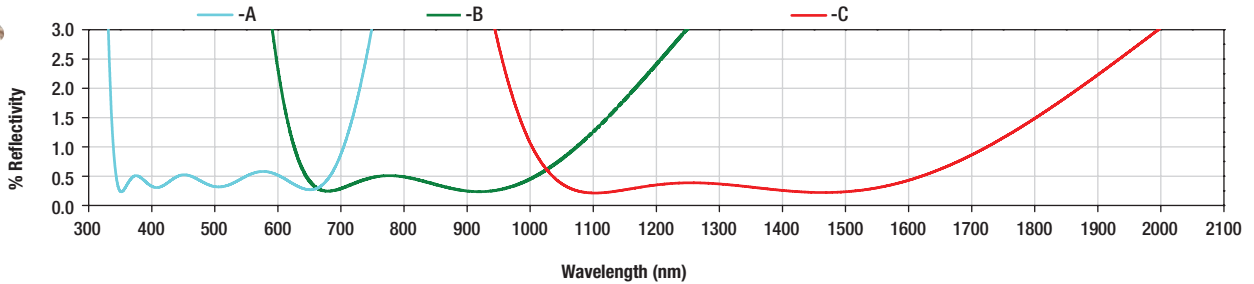
Dust Cover and FiberPort Caps Not Shown

Thorlabs' Adjustable Fiber-to-Fiber U-Benches provide the same benefits as our Fixed U-Benches (see page 1079) with the added flexibility of using any desired fiber with FC/PC or SMA connectors. Based on the stable FiberBench platform, these devices are easily configured and aligned for any potential application. For minimal insertion and return losses, we recommend using antireflection coated patch cables. For fiber with core size  $> \text{Ø}62.5 \mu\text{m}$ , there will be high insertion loss.



COATING RANGE	
-A	400 - 600 nm
-B	600 - 1050 nm
-C	1050 - 1600 nm

### Molded Asphere Broadband Antireflection Coatings



ITEM #	EFL	INPUT MFD <sup>a</sup>	OUTPUT WAIST DIA.	MAX WAIST DIST. <sup>b</sup>	DIVERGENCE	LENS CHARACTERISTICS			BULKHEAD TYPE
						CA <sup>c</sup>	NA	AR $\lambda^d$	
FBP-A-FC	2.0 mm	3.5 $\mu\text{m}$	0.33 mm	96 mm	1.75 mrad	2.0 mm	0.50	400 - 600 nm	FC/PC or APC
FBP-B-FC	2.0 mm	4.3 $\mu\text{m}$	0.38 mm	89 mm	2.20 mrad	2.0 mm	0.50	600 - 1050 nm	FC/PC or APC
FBP-C-FC	2.0 mm	10.4 $\mu\text{m}$	0.38 mm	38 mm	5.20 mrad	2.0 mm	0.50	1050 - 1600 nm	FC/PC or APC
FBP-A-SMA	2.0 mm	3.5 $\mu\text{m}$	0.33 mm	96 mm	1.75 mrad	2.0 mm	0.50	400 - 600 nm	SMA
FBP-B-SMA	2.0 mm	4.3 $\mu\text{m}$	0.38 mm	89 mm	2.20 mrad	2.0 mm	0.50	600 - 1050 nm	SMA
FBP-C-SMA	2.0 mm	10.4 $\mu\text{m}$	0.38 mm	38 mm	5.20 mrad	2.0 mm	0.50	1050 - 1600 nm	SMA

<sup>a</sup>Mode Field Diameter

<sup>b</sup>Maximum distance that the beam waist can be from the lens while still remaining collimated

<sup>c</sup>Clear Aperture

<sup>d</sup>Wavelength range of the antireflection coating

ITEM #	\$	£	€	RMB	WAVELENGTH RANGE	CONNECTORS
FBP-A-FC	\$ 1,000.00	£ 720.00	€ 870.00	¥ 7,970.00	400 - 600 nm	FC/PC
FBP-A-SMA	\$ 830.00	£ 597.60	€ 722.10	¥ 6,615.10	400 - 600 nm	SMA
FBP-B-FC	\$ 1,000.00	£ 720.00	€ 870.00	¥ 7,970.00	600 - 1050 nm	FC/PC
FBP-B-SMA	\$ 830.00	£ 597.60	€ 722.10	¥ 6,615.10	600 - 1050 nm	SMA
FBP-C-FC	\$ 1,000.00	£ 720.00	€ 870.00	¥ 7,970.00	1050 - 1600 nm	FC/PC
FBP-C-SMA	\$ 830.00	£ 597.60	€ 722.10	¥ 6,615.10	1050 - 1600 nm	SMA