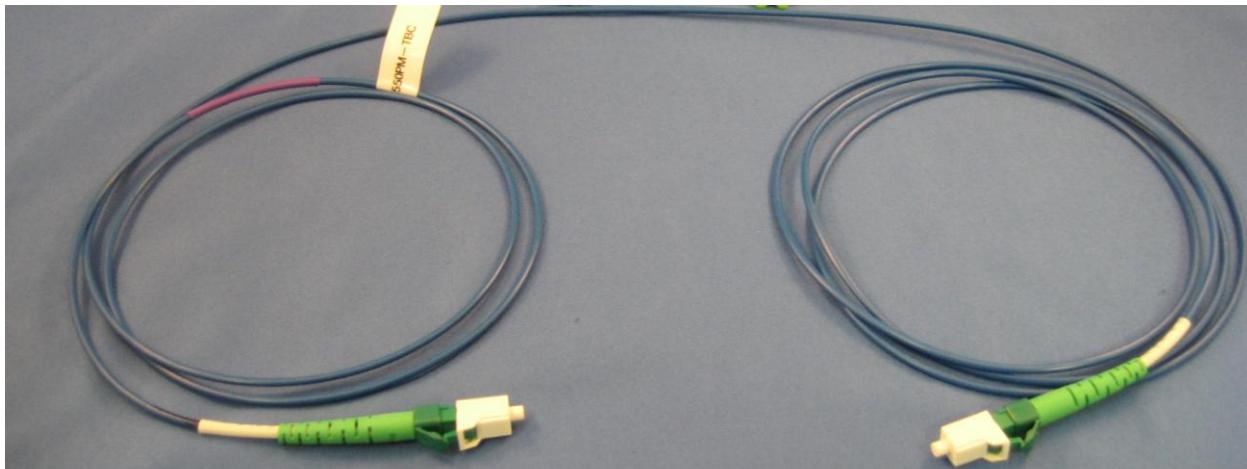




Polarizing Patch Cable

The In-Fiber Polarizing Patch Cable is an all-glass, flexible polarizer for the most discriminating end users requiring the best polarization extinction ratio (PER) available. These high extinction ratio patch cables are available over a broad spectral range. They polarize, rather than simply maintain, the polarization of the input light. The polarized light is scattered rather than absorbed, making this polarizer uniquely suitable for high power applications.



IFPPCs are connectorized on both ends with high quality and robust FC/UPC, FC/APC, LC/UPC or LC/APC connectors. These are all manufactured to the strictest standards and tested to insure high extinction ratio and low insertion losses.

Polarizers have been delivered to address specific spectral needs ranging from 820-2000 nm. Also, custom jacketing and cabling can be accommodated. Please speak to us about your specific needs.

PROPERTIES				
Central Wavelength ¹	980 nm	1064 nm	1310 nm	1550 nm
Bandwidth	> 50 nm			
Extinction Ratio ²	> 25 dB			
Passing Polarization	Slow axis typical, can be tailored upon request			
Insertion Loss (unconnectorized)	< 2 dB, < 1 dB available upon request			
Optical Return Loss	-23 dB typical, -40 dB available upon request			
Polarizer Length	42 ± 2 mm (center of patch cable)			
Pigtails	<ul style="list-style-type: none">PM (PANDA) typical, SM or others upon request1 meter long, other lengths available upon request			
Jacket	3 mm furcation tube typical, other jacketing available upon request			
Connectors	FC/UPC, FC/APC, LC/UPC or LC/APC typical, others upon request			
Operating Temperature	-40 to +85°C			
Storage Temperature	-70 to +85°C			

¹ Other wavelengths available upon request

² Degree of polarization of polarizer is > 40 dB