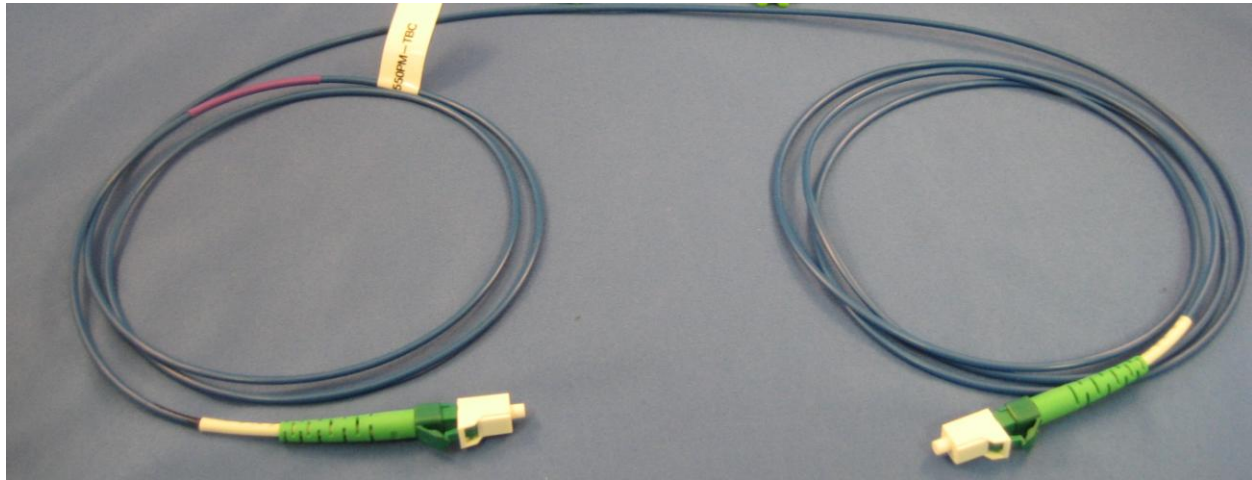




Helica™ Polarizing Patch Cable

The Helica™ In-Fiber Polarizing Patch Cable (Helica™ IFPPC) 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 request• 1 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