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# Polarization Maintaining High ER Patchcord, FC/APC, 0.12NA, 970-1550nm, 1m



FC/APC Connector

Stock #25-995 **3 In Stock**

1

C\$406<sup>.00</sup>

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| Volume Pricing |                               |
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| Qty 1-4        | C\$406.00 each                |
| Qty 5-24       | C\$365.40 each                |
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Product Downloads

STEP:step   
 EO Spec Sheet

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## General

|                          |          |                             |                          |
|--------------------------|----------|-----------------------------|--------------------------|
| <b>Fiber Cable Type:</b> | PM980-XP | <b>Slow Axis Alignment:</b> | Aligned to Connector Key |
|--------------------------|----------|-----------------------------|--------------------------|

## Physical & Mechanical Properties

|                    |                |                         |                                 |
|--------------------|----------------|-------------------------|---------------------------------|
| <b>Length (m):</b> | 1 +0.1/-0.0    | <b>Jacket Material:</b> | Ø3 mm Blue PVC Furcation Tubing |
| <b>Key Width:</b>  | 2mm Narrow Key |                         |                                 |

## Optical Properties

|                               |                           |                                   |                     |
|-------------------------------|---------------------------|-----------------------------------|---------------------|
| <b>Numerical Aperture NA:</b> | 0.12                      | <b>Alignment Wavelength (nm):</b> | 980                 |
| <b>Wavelength Range (nm):</b> | 970 - 1550                | <b>Mode Field Diameter (nm):</b>  | 6.6 ± 0.5µm @ 980nm |
| <b>Extinction Ratio:</b>      | 30dB (Min)<br>33dB (Typ.) |                                   |                     |

## Hardware & Interface Connectivity

|                   |        |                             |                               |
|-------------------|--------|-----------------------------|-------------------------------|
| <b>Connector:</b> | FC/APC | <b>Insertion Loss (dB):</b> | 0.50dB (Max)<br>0.40dB (Typ.) |
| <b>Loss (dB):</b> | 60     |                             |                               |

## Environmental & Durability Factors

|                                    |         |                                  |           |
|------------------------------------|---------|----------------------------------|-----------|
| <b>Operating Temperature (°C):</b> | 0 to 70 | <b>Storage Temperature (°C):</b> | -45 to 85 |
|------------------------------------|---------|----------------------------------|-----------|

## Regulatory Compliance

|                   |                  |                                    |                      |
|-------------------|------------------|------------------------------------|----------------------|
| <b>RoHS 2015:</b> | <b>Compliant</b> | <b>Certificate of Conformance:</b> | <a href="#">View</a> |
|-------------------|------------------|------------------------------------|----------------------|

## Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Product Details

- FC/PC, FC/APC, or Hybrid Terminated Connectors
- Patchcords for Wavelengths from 970 – 1625nm
- Extinction Ratios up to 33 dB
- Ideal for Use with 980, 1064, 1310, and 1550nm IR Lasers

High Extinction Ratio Polarization Maintaining Fiber Optic Patchcords are available with FC/PC or FC/APC terminated connectors. Hybrid terminated connectors enable users to adapt FC/PC and FC/APC patchcords for compatibility with existing fiber assemblies. When used at the fiber specific alignment wavelength, these fiber patchcords provide extinction ratios between 30 – 33 dB to better maintain input polarization. High Extinction Ratio Polarization Maintaining Fiber Optic Patchcords are ideal for applications including telecommunications, interferometry, and quantum key distribution. Each connector is engraved with the fiber type for easy integration and identification.

## Related Products



Single Mode Fiber Optic Patchcords



LightPath® Fiber Optic Collimators



Fiber Connector Adapters



Focusable Collimators

## Resources

### Media Type

- FAQ
- Glossary
- Technical Tool
- Video

? FAQ

What diameter beam will an optical fiber output?

? FAQ

What is the numerical aperture of a fiber?

? FAQ

Why do optical fibers lose so much energy?

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What is the attenuation curve and how do I use it?

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What is the difference between a jacketed and...

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