

Polarization Maintaining Patchcord, FC/APC, 0.12NA, 1440-1625nm, 1m



FC/APC Connector

Stock **#25-967** **3 In Stock**

-

1

+

₹14,869

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | ₹14,869 each                  |
| Qty 5+         | ₹13,390 each                  |
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SPECIFICATIONS

General

|           |                   |
|-----------|-------------------|
| Patchcord | Type:             |
| PM1550-XP | Fiber Cable Type: |

|                                    |                                                     |
|------------------------------------|-----------------------------------------------------|
| Slow Axis Alignment:               |                                                     |
| Aligned to Connector Key           |                                                     |
| Physical & Mechanical Properties   |                                                     |
| Length (m):                        | 1 +0.075/-0.0                                       |
|                                    |                                                     |
| Jacket Material:                   | Ø3 mm Blue PVC Furcation Tubing                     |
|                                    |                                                     |
| Key Width:                         | 2mm Narrow Key Connector Key Aligned with Slow Axis |
|                                    |                                                     |
| Optical Properties                 |                                                     |
| Numerical Aperture NA:             | 0.125                                               |
|                                    |                                                     |
| Alignment Wavelength (nm):         | 1550                                                |
|                                    |                                                     |
| Wavelength Range (nm):             | 1440 - 1625                                         |
|                                    |                                                     |
| Mode Field Diameter (nm):          | 10.1 ± 0.4µm @ 1550nm                               |
|                                    |                                                     |
| Extinction Ratio:                  | 23dB (Mn)                                           |
|                                    | 25dB (Typ.)                                         |
| Hardware & Interface Connectivity  |                                                     |
| Connector:                         | FC/APC                                              |
|                                    |                                                     |
| Insertion Loss (dB):               | 0.50dB (Max)                                        |
|                                    | 0.30dB (Typ.)                                       |
| Loss (dB):                         | 60                                                  |
|                                    |                                                     |
| Environmental & Durability Factors |                                                     |
| Operating Temperature (°C):        | 0 to 70                                             |
|                                    |                                                     |
| Storage Temperature (°C):          | -45 to 85                                           |
|                                    |                                                     |
| Regulatory Compliance              |                                                     |
| RoHS 2015:                         | Compliant                                           |
|                                    |                                                     |
| Certificate of Conformance:        | View                                                |
|                                    |                                                     |
| REACH 241:                         | Compliant                                           |
|                                    |                                                     |

## PRODUCT DETAILS

- FC/PC, FC/APC, and Hybrid Terminated Connectors
  - Patchcords for Wavelengths from 460 – 1625nm
  - Polarization Extinction Ratios up to 25dB
  - 1m and 2m Standardized Lengths Available
- Polarization Maintaining Fiber Optic Patchcords are available with FC/PC or FC/APC terminated connectors. Hybrid terminated connectors enable users to adapt FC/PC or FC/APC patchcords for compatibility with existing fiber assemblies. Typical extinction ratios between 18 – 25dB maintain input polarization orientation. Polarization Maintaining Fiber Optic Patchcords are ideal for applications including beam delivery, telecommunications, fiber optic sensing. Each connector is engraved with the fiber type for easy integration and identification.

## CUSTOM

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

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