

Polarization Maintaining High ER Patchcord, Hybrid FC, 0.12NA, 970-1550nm, 1m



FC/PC to FC/APC Connector

Stock **#25-999** **3 In Stock**

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1

+

C\$401⁰⁰

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Volume Pricing	
Qty 1-4	C\$401.80 each
Qty 5-24	C\$361.20 each
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Product Downloads

General

PM980-XP	Fiber Cable Type:
Aligned to Connector Key	Slow Axis Alignment:

Physical & Mechanical Properties

1 +0.1/-0.0	Length (m):
	Jacket Material:

Ø3 mm Blue PVC Furcation Tubing	
2mm Narrow Key	
Key Width:	
Optical Properties	
Numerical Aperture NA:	
0.12	
Alignment Wavelength (nm):	
980	
Wavelength Range (nm):	
970 - 1550	
Mode Field Diameter (nm):	
6.6 ± 0.5µm @ 980nm	
Extinction Ratio:	
30dB (Min) 33dB (Typ.)	
Hardware & Interface Connectivity	
Connector:	
FC/PC to FC/APC	
Insertion Loss (dB):	
0.50dB (Max) 0.40dB (Typ.)	
Loss (dB):	
50 (FC/PC) 60 (FC/APC)	
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, 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.

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

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