

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



FC/PC to FC/APC Connector

Stock **#25-984** **3 In Stock**

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1

+

€199⁰⁰

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Volume Pricing	
Qty 1-4	€199,00 each
Qty 5+	€179,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:

Patchcord

Fiber Cable Type:

PM980-XP	
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:	0.12
Alignment Wavelength (nm):	980
Wavelength Range (nm):	970 - 1550
Mode Field Diameter (nm):	6.6 ± 0.5µm @980nm
Extinction Ratio:	22dB (Mn) 24dB (Typ.)
Hardware & Interface Connectivity	
Connector:	FC/PC to FC/APC
Insertion Loss (dB):	0.70dB (Max) 0.50dB (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, 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

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