

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



FC/APC Connector

Stock **#25-992** **3 In Stock**

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1

+

€247⁰⁰

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Volume Pricing	
Qty 1-4	€247,00 each
Qty 5+	€222,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Fiber Cable Type:

PM1550-XP

Slow Axis Alignment:

Aligned to Connector Key	
Physical & Mechanical Properties	
Length (m):	1 +0.1/-0.0
Jacket Material:	Ø3 mm Blue PVC Furcation Tubing
Key Width:	2mm Narrow Key
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:	30dB (Mn) 33dB (Typ.)
Hardware & Interface Connectivity	
Connector:	FC/APC
Insertion Loss (dB):	0.30dB (Max) 0.20dB (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, 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](#).