

PASSIVE COMPONENTS

PM Fiber Patch Cord

Polarization-maintaining patch cords from 780 nm to 1550 nm with 23 dB extinction ratio.



Key Features

- Stress axis aligned to the connector key
- Extinction ratio ≥ 23 dB
- Covers 780, 850, 980, 1064, 1310 and 1550 nm
- Insertion loss ≤ 0.3 dB at 1310 and 1550 nm

Applications

- Interferometric and coherent test setups
- Fiber gyroscope and sensor assemblies
- Quantum optics benches
- Polarization-sensitive instrument interconnection

Overview

Polarization-maintaining patch cords terminated with the fiber's stress axis aligned to the connector key, so polarization state is preserved and repeatable across mating cycles. Without that alignment a PM cord is just an expensive single-mode cord.

Six wavelengths are covered — 780, 850, 980, 1064, 1310 and 1550 nm — with extinction ratio of 23 dB or better at 23 °C, and insertion loss of 0.3 dB in the telecom bands.

Specifications

Optical Performance

PARAMETER	VALUE	UNIT	CONDITIONS
Operating Wavelength	780 / 850 / 980 / 1064 / 1310 / 1550	nm	
Extinction Ratio	≥ 23	dB	23 °C
Insertion Loss	≤ 0.3	dB	1310 and 1550 nm
Insertion Loss	≤ 0.8	dB	780 and 850 nm

Order or request a quote

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Specifications are subject to change without notice and do not constitute a warranty. Confirm all parameters with Lightwit Photonics sales before ordering.