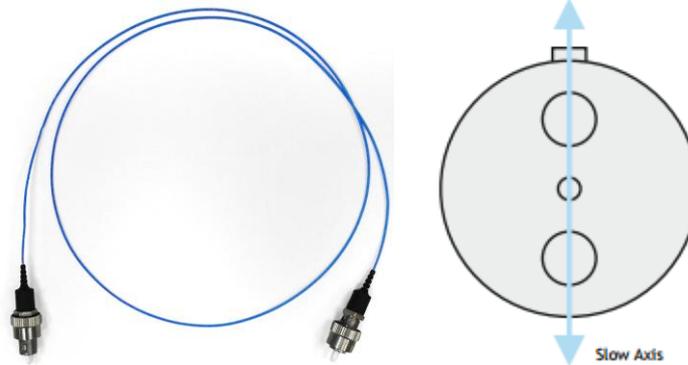


Photonics

Polarization Maintaining Singlemode 1550 nm Patchcords



Fibrain PM patchcords are made with Panda fiber. Keying to the slow propagation axis is typically performed, keying to the fast axis is also possible. FC/APC and FC/UPC connector types are available. The cables are individually tested and delivered with full test reports. Fully automated preparation and polishing process as well as detailed selection of the manufacturing components ensure the highest quality and reliability of the connectors used. The patchcords are available in 0.9 mm loose tube or 1.8 mm and 2.8 mm PVC protective jackets with internal Kevlar threads. The patchcord length can be chosen according to the customer's needs.

APPLICATIONS

- ✓ Measurement devices
- ✓ Light sources

ADVANTAGES & FEATURES

- ✓ High polarization extinction ratio
- ✓ Low insertion loss
- ✓ Wide spectral operation range (1440 – 1625 nm)
- ✓ Keying according to customer requirements

TECHNICAL SPECIFICATIONS:

Parameter	Value
Operating Wavelength	1440 – 1625 nm
Core NA	0.125
Mode Field Diameter (Gaussian)	10.1 ± 0.4 μm @ 1550 nm
Cutoff	1380 ± 60 nm
Core Attenuation	≤ 1.0 dB/km @ 1550 nm
Core Diameter	8.5 μm
Core/Clad Offset	≤ 0.50 μm
Cladding Diameter	125 ± 1.0 μm
Insertion Loss (Typical per Connector)	0.5 dB @ 1550 nm
Minimal Polarization Extinction Ratio	22 dB

PACKAGING:

The patchcords are individually packed in string bags.

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ORDERING INFORMATION:

Series	Type	Keying	Connector A	Connector B	Length [m]	Cable diameter	Cable color	
SP	PM1550	S – slow axis	FC	FC	1.0	09 – 0.9 mm		OR
		F – fast axis	FCA	FCA	2.0	18 – 1.8 mm		Y
		X – other			5.0	28 – 2.8 mm		GR
					10.0			GY
					XX			BL
								BK
								V
								R
								W

Example reference: SP-PM1550-S-FCA-FCA-002.0-18-BL –PM150 patchcord, slow axis keying, FCA connectors, 2 m length, blue 1.8 mm cable tube

Important notice

Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to the Term of Sale of the selling Fibrain subsidiary.

