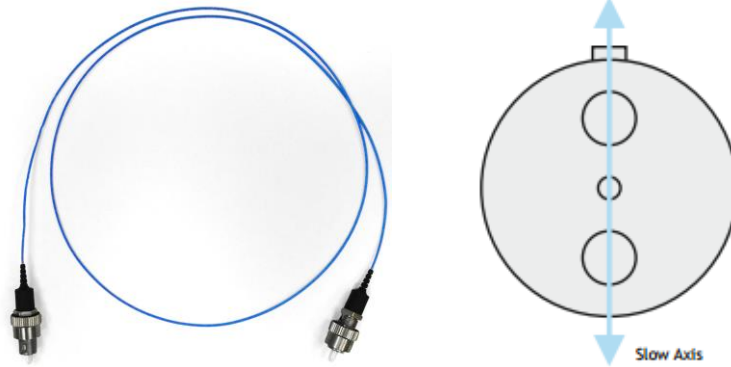


Photonics

**Polarization Maintaining Singlemode 780 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**

**ADVANTAGES & FEATURES**

- ✓ Measurement devices
- ✓ Light sources

- ✓ High polarization extinction ratio
- ✓ Low insertion loss
- ✓ Wide spectral operation range (770 – 1100 nm)
- ✓ Keying according to customer requirements

**TECHNICAL SPECIFICATIONS:**

Parameter	Value
Operating Wavelength	770 – 1100 nm
Core NA	0.120
Mode Field Diameter (Gaussian)	5.3 ± 1.0 μm @ 850 nm
Cutoff	710 ± 60 nm
Core Attenuation	≤ 4.0 dB/km @ 850 nm
Core Diameter	4.5 μm
Core/Clad Offset	≤ 0.50 μm
Cladding Diameter	125 ± 1.0 μm
Insertion Loss (Typical per Connector)	1.0 dB @ 780 nm
Minimal Polarization Extinction Ratio	22 dB

**PACKAGING:**

The patchcords are individually packed in string bags.



## Photonics

### ORDERING INFORMATION:

Series	Type	Keying	Connector A	Connector B	Length [m]	Cable diameter	Cable color	
SP	PM780	S – slow axis	FC	FC	1.0	09 – 0.9 mm	OR	
					2.0	18 – 1.8 mm	Y	
		F – fast axis	FCA	FCA	5.0	28 – 2.8 mm	GR	
					10.0		GY	
		X – other				XX		BL
								BK
								V
								R
								W

Example reference: SP-PM780-S-FCA-FCA-002.0-18-BL –PM780 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.

