

Photonics

SM2000 Singlemode Patchcords



Fibrain offers single mode patchcords with a wide range of connectors. 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

- ✓ Couplers
- ✓ Measurement devices
- ✓ Light sources

ADVANTAGES & FEATURES

- ✓ SM patch cables for signal transmission from 1850 nm to 2200 nm
- ✓ A wide range of available connectors, protective jackets, and fiber lengths
- ✓ Each patchcord is individually tested

TECHNICAL SPECIFICATIONS:

Parameter	Value	
	Standard version	Low-loss version
Operating Wavelength	1850 – 2200 nm	
Core NA	0.200	
Mode Field Diameter (Gaussian)	8.0 μm @ 1950 nm	
Cutoff	1720 ± 80 nm	
Core Attenuation	20 dB/km @ 1900 nm (typical)	
Core Diameter	7.0 μm	
Core/Clad Offset	≤ 0.50 μm	
Cladding Diameter	125 ± 1.0 μm	
Insertion Loss (Typical Connector to Connector)	0.5 dB @ 1950 nm	0.25 dB @ 1950 nm
Return Loss	40 dB	

PACKAGING:

The patchcords are individually packed in string bags.

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ORDERING INFORMATION:

Series	Type	Version	Connector A	Connector B	Length [m]	Cable diameter	Cable color
SP	SM2000	S – standard	SC	SC	1.0	09 - 0.9 mm	OR
			L – Low-loss	SCA	SCA	2.0	18 - 1.8 mm
			LC	LC	5.0	28 - 2.8 mm	GR
			LCA	LCA	10.0		GY
			FC	FC	XX		BL
			FCA	FCA			BK
			E2	E2			V
			E2A	E2A			R
			ST	ST			W
			MU	MU			
			DIN	DIN			
				XX			

Example reference: SP-SM2000-S-SCA-SCA-002.0-18-R – SM2000 patchcord, standard version, SCA connectors, 2 m length, red 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.