

Photonics

SM980 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. Thanks to high quality of components, we are able to achieve low insertion losses despite small mode field diameter. 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

- ✓ Couplers
- ✓ Measurement devices
- ✓ Light sources

- ✓ SM patch cables for signal transmission from 980 nm to 1600 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	980 – 1600 nm	
Core NA	0.200	
Mode Field Diameter (Gaussian)	4.2 ± 0.5 μm @ 980 nm	
Cutoff	920 ± 30 nm	
Core Attenuation	≤ 3.5 dB/km @ 980 nm	
Core Diameter	3.6 μm	
Core/Clad Offset	≤ 0.50 μm	
Cladding Diameter	125 ± 1.0 μm	
Insertion Loss (Typical Connector to Connector)	0.5 dB @ 980 nm	0.25 dB @ 980 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	SM980	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-SM980-S-SCA-SCA-002.0-18-R – SM980 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.

