Single Mode Fiber Optical Patch Cable SM28

1260nm to 1625nm

These fiber optic patch cables are terminated on both ends with high-quality ceramic connectors, featuring polished to reach a return loss > 50 dB. Narrow key FC/PC Each cable is a standard in-stock item. We offer all connector variations as special orders. Each cable is individually tested to ensure the specified extinction ratio and insertion loss at fiber-to-fiber junctions. Each patch cable includes two protective caps that shield the ferrule ends from dust and other hazards. Each cable also comes with a mating connector adaptor for ease of use. We further offer a high optical power handling connector up to 5W with our unique in-fiber beam expanding and collimating technology.

Features

- In Stock Standard Version
- High Polish with >50dB RL
- Ceramic Radiused Ferrules
- 3mm Protective Jacket
- Custom Cable Available

Applications

- Test
- Instrument/System

Specifications [1]

Parameter	Min	Typical	Max	Unit
Wavelength	1260		1625	nm
Insertion Loss		0.4	0.5	dB
Mode Diameter		10		μm
Return Loss	50			dB
Power Handling[1]		0.3	0.5	W
Fiber Type		SM28		
Jacket		3mm tube		

[1] Regular fiber end with ferrule. The typical value is a safe condition. Expanding fiber is available for higher power handing as a special order.

Ordering Information (Part Number)

	☐	☐☐	☐	☐	☐	☐	☐	☐
Prefix	**Wavelength**	**Length**	**Key**	**Power**	**Fiber Cover**	**Fiber**	**Connector1**	**Connector2**
FPSM-	1550nm = 5	1m = A1 2m = A2 5m = A5 12m = 12 Special = 00	Narrow = 1 Special = 0	Regular = 1 2W = 2 5W = 5 Special = 0	3mm = 1 0.9mm = 2 Special = 0	SM28 = 5 Special = 0	FC/PC = 1 FC/APC=2 SC/UPC=3 SC/APC=4 LC/UPC=5 LC/APC=6 Special=0	FC/PC = 1 FC/APC=2 SC/UPC=3 SC/APC=4 LC/UPC=5 LC/APC=6 Special=0 None = 9

Fiber Cable Single Mode
Red Color indicates special order

Rev 10/29/25

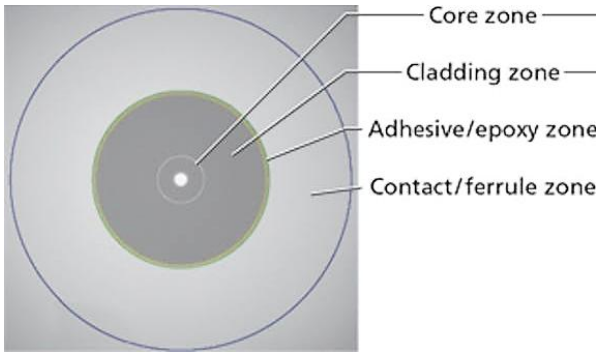
P +1 781-935-1200 E sales@agiltron.com W www.agiltron.com

Information contained herein is deemed to be reliable and accurate as of the issue date. We reserve the right to change the design or specifications at any time without notice.
Agiltron is a registered trademark of Optowares Corporation in the U.S. and other countries.

Single Mode Fiber Optical Patch Cable SM28

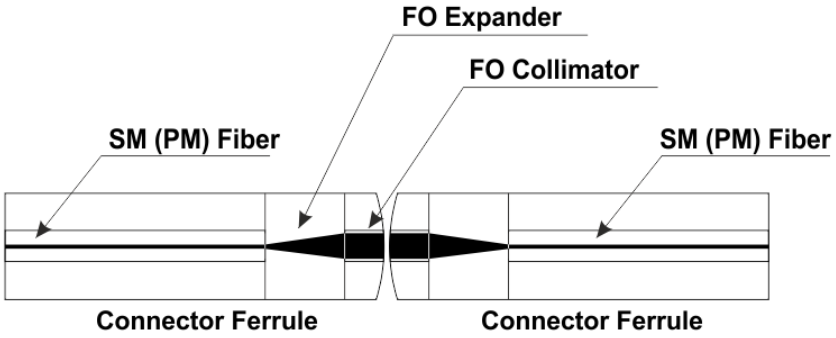
1260nm to 1625nm

Connector End Face Image



Schematic of High Power Handling Fiber Connector Configuration

We produce high optical power handling connectors by first expanding the beam size and then collimating the beam all inside the fiber without free space elements and optical coating.



Information contained herein is deemed to be reliable and accurate as of the issue date. We reserve the right to change the design or specifications at any time without notice.
Agiltron is a registered trademark of Optowares Corporation in the U.S. and other countries.