

# OPTICO PM FC SM Fiber Patchcord Datasheet

Widely used for telecom, gyroscopic, and optical sensor systems.



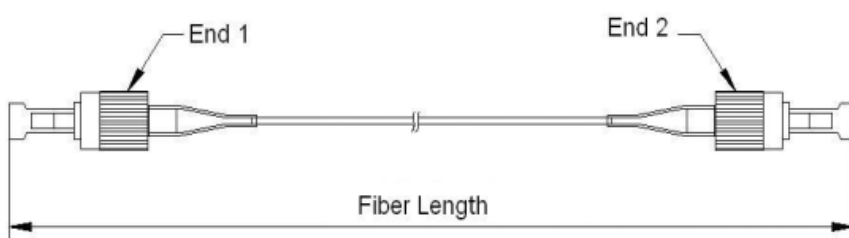
## • Description:

These polarization-maintaining fiber optic patch cables are terminated on both ends with high-quality, narrow key, ceramic-ferrule connectors: one FC/APC (green boot) and one FC/PC (blue boot). They have a high-quality polish, which leads to a typical return loss of 50 dB at the FC/PC connector and 60 dB at the FC/APC connector. Assembled in our facility, each cable undergoes multiple tests to verify its high extinction ratio and low insertion loss at fiber-to-fiber junctions.

## • Features:

- High Polarization Extinction Ratio (ER)
- 1064, 1310, or 1550 nm Alignment Wavelength
- FC/PC, FC/APC, and FC/PC to FC/APC Connectors Available
- Good Stability and Reliability
- High Temperature Resistance
- Acid and alkali resistance
- ISO/ROHS √

## • Drawing view (Unit: mm):



## Key Orientation:

Slow Axis:



Fast Axis:



• Specification:

Parameter		Unit	Value			
Connector Type		-	FC,SC,LC			
Center Wavelength		nm	2000,1950	1550,1310	1060,980	850,780 633,532
Max. Insertion loss		dB	0.5	0.3	0.5	0.5 0.5
Min. Extinction Ratio @23°C		dB	22	23	23	22 22
Min. Return loss	UPC Type	dB	50			
	APC Type	dB	60			
Fiber type		-	PM Panda fiber			
Cable Diameter		mm	0.9/2.0/3.0			
Key Orientation		-	Slow Axis/Fast Axis			
Tolerance for Axis Alignment		deg	±3			
Operating Temperature		°C	-20~+70			
Storage Temperature		°C	-40~+85			

**Tips:**

Due to the COVID-19, sorry that you and our team couldn't visit face to face with each other. In order to make the customers know us more, please visit our VR factory, it is just like you were really standing in our factory.

OPTICO Fiber Assemblies Production Line VR :<https://www.linked-reality.com/company/15555/en>

OPTICO Fiber Cable Production Line VR: <https://www.linked-reality.com/company/15664>