

# Polarization Maintaining Fiber Patch Cable



## FEATURES

- ✓ Designed to Meet Telcordia Specifications
- ✓ Compatible with Industry Standard Connectors
- ✓ Extinction Ratio (ER) Better than 30 dB Possible on Request
- ✓ High Reliability and Stability

## APPLICATIONS

- PM Fiber Sense Systems
- PM-applications
- Testing Instruments

## Typical Specifications of Polarization Maintaining Fiber Patch Cable

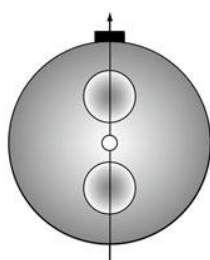
Connector Type		FC/UPC, FC/APC, SC/UPC, SC/APC, LC/UPC, LC/APC; Others on request					
Wavelength (nm)		460	630	780/830/850	980/1060/1064	1310/1550	2000
Insertion Loss (dB)	Max.	1.5	1.0	0.8	0.5	0.3	0.5
	Typ.	≤1.2	≤0.7	≤0.5	≤0.3	≤0.2	≤0.3
Extinction Ratio @23°C (dB)		≥20 (standard grade), ≥23 (medium grade), ≥28 (high grade)					
Return Loss (dB)	UPC Type	≥50					
	APC Type	≥60					
Fiber Type		Panda Polarization-maintaining (PM) fiber as standard, others on request					
Key Orientation		Slow axis aligned(default); Fast axis aligned					
Polarization Angle Tolerance		±3 degrees (standard grade); ±1.5 degrees (high grade)					
Length Tolerance		±0.1m or 10% of length, whichever is larger (Tighter tolerances possible on request)					
Operating Temperature (°C)		-5 ~+70					
Storage Temperature (°C)		-40 ~+85					

### Note:

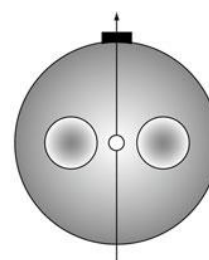
1. This PM Fiber Patch Cable is customizable, and above specifications are subject to change without notice.
2. For product customization including high extinction ratios (ER ≥30 dB possible), custom ferrule terminations, special connector types, etc., please contact our sales representative for availability.

## Panda Fiber Orientation

Unless otherwise specified, slow axis of the fiber is aligned with the key of the connector.



Slow Axis Aligned (**Default**)



Fast Axis Aligned

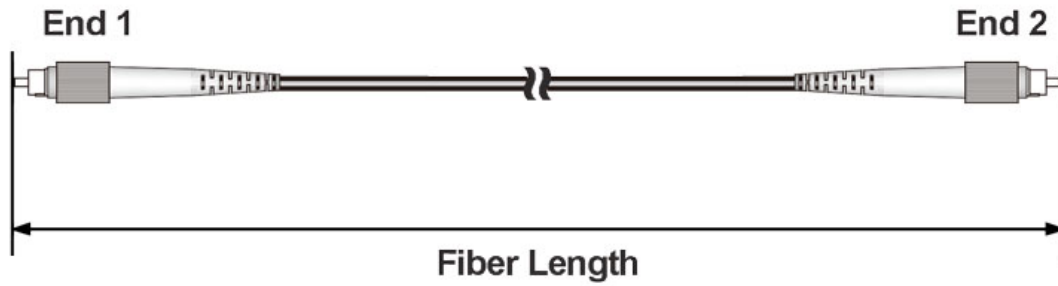


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## Fiber Length



### Ordering Information for Polarization Maintaining Fiber Patch Cable

Wavelength	Grade	Key Orientation	Fiber Jacket	Fiber Length	Connector (End 1)	Connector (End 2)
460 nm	Standard grade	Slow axis (default)	Φ250μm bare fiber	0.5 m	None	None
630 nm	Medium grade	Fast axis	Φ900μm loose tube	0.8 m	FC/UPC	FC/UPC
780 nm	High grade		Φ2.0mm cable	1.0 m	FC/APC	FC/APC
830 nm			Φ3.0mm cable	1.5 m	SC/UPC	SC/UPC
850 nm				2.0 m	SC/APC	SC/APC
980 nm				Custom ...	LC/UPC	LC/UPC
1060 nm					LC/APC	LC/APC
1064 nm					Custom ...	Custom ...
1310 nm						
1550 nm						
2000 nm						
Custom ...						