



Optec's Polarization Maintaining (PM) fiber cable assemblies deliver high reliability and distinct performance. Our state of the art production facility and controlled processes allow us to achieve low Insertion Loss (IL) and high Extinction Ratio (ER).

Our PM fiber cable assemblies are offered in PANDA style fiber with Slow Axis key orientation. Available in FC termination in either UPC or APC polishing with customized length options. These custom assemblies are built for the most demanding OEM, production and medical applications.

Features and Applications

High flexibility for system design and compatibility
Available in in FC/UPC and FC/APC or other custom requirement

Conforms and exceeds industry standards

100% Factory tested with stringent controls processes to comply Telcordia GR-326-CORE with low insertion loss and high extinction ratio (ER)

High performance in polarization maintaining properties

High reliability and distinct performance in high-data-rate communications systems and PM couplers (Fabricating HiBi fused couplers)

Cable Specifications

Parameters		Specifications
Wavelength (nm)		1510 1310
Fiber Type		Polarization Maintaining PANDA Fiber
Insertion Loss (dB)		Typical 0.2dB ≤ 0.3dB
Return Loss (dB)		UPC ≥ 50dB APC ≥ 60dB
Extinction Ratio (dB)	PM Connector	ER ≥ 23 Typical ER ≥ 25
	PM Component with Connector	Based on the component's ER -2dB
Operating temperature		-20 ~ +70 °C
Compliant Standard		Telcordia GR-326-CORE

Special Fiber Terminations

Polarization Maintaining (PM) Fiber Terminations

Ordering Information

A S M P M

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| <p>1 Assembly Type
PC = Patchcord
PG = Pigtails</p> | <p>2 Wavelength
13 = 1310nm
15 = 1510nm

<i>See note (1)</i></p> | <p>3 Cable Type
1 = 3.0mm Jacketed Cable
2 = 900µm Buffered Cable</p> | <p>4 A- End Connector
FC = FC

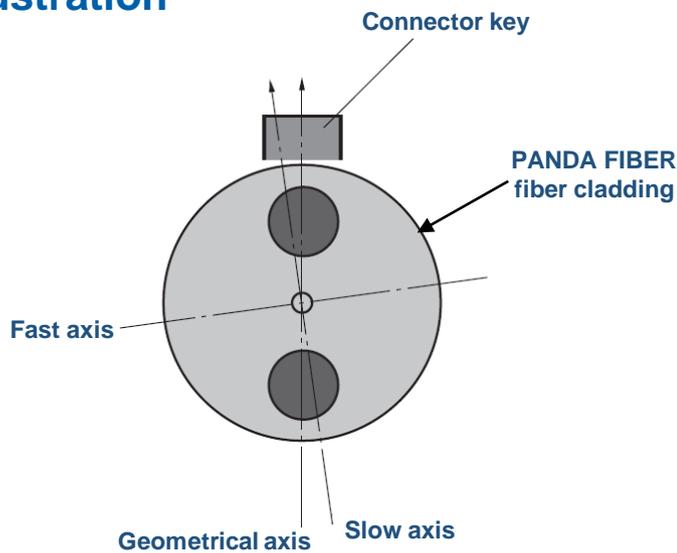
<i>See note (2)</i></p> |
| <p>5 A- End Polish
A = APC
U = UPC</p> | <p>6 B- End Connector
0600 = 600 (standard)
FC = FC
PG = Pigtail without connector</p> | <p>7 B- End Polish
A = APC
U = UPC
N = Pigtail</p> | <p>8 Cable Length (Meter)
xxx = 001~999
(please specify)

<i>See note (3)</i></p> |
| | | | <p>9 Unit Of Measure
F = Feet
N = Inch
M = Meter
C = Centimeter</p> |

Notes

- (1) Other wavelength options are available upon request, please contact our sales team for details
- (2) Connector other than SC may available upon request, please contact our sales team for details
- (3) Cable length is measured from connector ferrule tip to connector ferrule tip

PM PANDA Fiber Illustration



Optec's PM fiber assemblies are aligned to the slow axis

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