



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

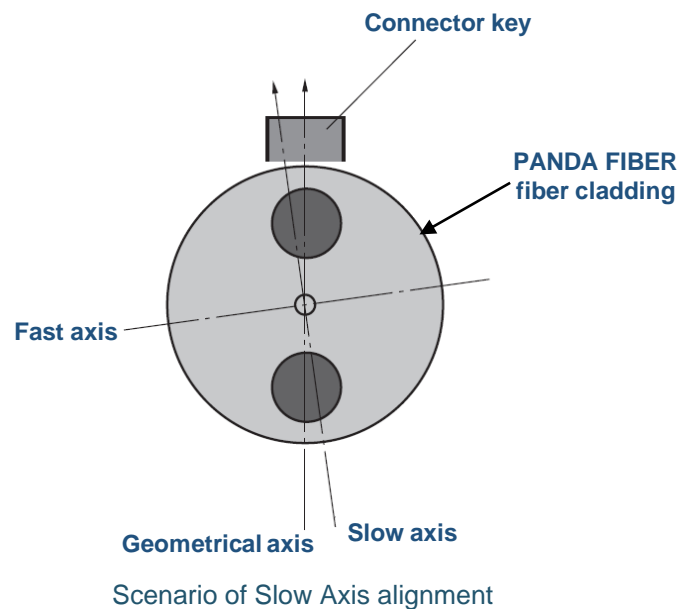
Conforms and exceeds industry standards

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)

PANDA PM Fiber Illustration



Assembly Specifications

| Parameters | | Specifications |
|-----------------------|-----------------------------|--------------------------------------|
| Wavelength (nm)* | | 1550 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 |

Other wavelengths available on demand.