

Polarization maintaining cables

These cables are mainly used in instrumentation, interferometry and fibre optic sensing. They are available at specific wavelengths with 900 μm , 2 mm or 3 mm tubes. They are all made to your requirements from your drawings and specifications.



- Fixed operating wavelengths from 350 to 1950 nm.
- Panda, bowtie and oval fibre available.
- Available with most keyed connectors.
- May be assembled with any type of jacket.
- Passive and active alignment to the slow axis or fast axis.
- High-power and wide temperature range options available.

Technical characteristics

Parameters	Unit	U	A
Polishing (single- or multi-mode)		UPC (SM)	APC (SM)
Insertion loss	dB	≤ 0.20	≤ 0.30
Return loss	dB	≥ 55.0	≥ 65.0
Apex offset	μm	0-50	0-50
Radius of curvature	mm	5-30	5-12
Fibre height	nm	<i>-100/IEC Equation</i>	
Bend radius (long term)	cm	3 for the standard fibre	
Length tolerance	m	-0/+10 cm ($L \geq 1\text{m}$), -0/+4 cm ($L < 1\text{m}$), -0/+1 cm ($L < 20\text{cm}$)	
Operating temperature	$^{\circ}\text{C}$	-20 to +70 (standard)	

The Series + includes geometric qualification.

- All connectors are inspected.
- All connectors are tested, test data supplied.
- Products are designed to meet or exceed the TELCORDIA, GR-326-CORE standards.

All products ordered from O-m6 can be customized to meet your requirements.

| Questions? | **Contact us at 450 979-2275 | inf@om6.com**

Technical features subject to change without notice