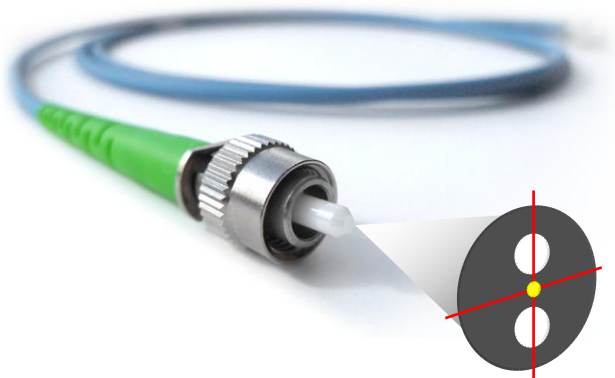


Polarization Maintaining Cables

Polarization maintaining cables are used where linearly polarized light is required, notwithstanding fiber movements and stress. These cables are mainly used in instrumentation, interferometry and fiber optic sensing. They are available at specific wavelengths with 900 μm, 2 mm or 3 mm loose tube. They can be further custom made according to your own drawings and specifications.



- **Fixed operating wavelengths from 350 to 1550 nm**
- **Panda fiber from stock, Bow-Tie and Oval also 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**

Specifications

Parameter	Unit	U	U +	A	A +
Polish (Singlemode or Multimode)		UPC (SM)	UPC (SM)	APC (SM)	APC (SM)
Insertion loss (typical value)	dB	0,25 (0,12)	0,20 (0,08)	0,35 (0,20)	0,30 (0,16)
Return loss (typical value)	dB	-55,0 (-58)	-58,0 (-62)	-65,0 (-68)	-68,0 (-72)
Polarization extinction ratio (PER)	dB	26 (optional 30) @ 1550 nm or +/-3°			
Apex offset	μm	0-50	0-50	0-50	0-50
Radius of curvature	mm	7-25	10-25 *	5-12	5-12
Fiber height	nm	-50	+/-50	-50	+/-50
Durability : IL < 0,7dB, RTL > nominal	cycles	More than 1000			
Bending radius, long term	cm	3			
Length tolerance (lengths)	m	1 ≤ L < 20 : -0/+0.1 (tight tolerance available)			
Operating temperature	°C	-20 to +70			

* Depends on connector models.

- All connectors are visually inspected
- All connectors are tested at operating wavelength, test data supplied
- All products designed to equal or exceed the TELCORDIA, GR-326-CORE standards
- Geometrical qualification option (+ Series)

Key for Product Code | For further information, refer to our general **Product Code**.



(1): Connector, end A
(2): Polish, end A

(3): Fiber

(4): Connector, end B
(5): Polish, end B

(6): Length

(7): Product code

(8): Product description

To Order | Call us at **(450) 979-4110** or e-mail us at sales@om6.com for all the details.

All products can be customized to suit your specific applications.

Specifications may change without notice.

