

Polarization-Maintaining Fiber Optic Connector

Description

The polarization-maintaining connector made of polarization-maintaining fiber can ensure that the polarized light in the two polarization-maintaining fibers can keep the original polarization state as much as possible after connection or coupling. In addition, the polarization maintaining connector can ensure that the coupling between the connector key and the polarization direction in the fiber is consistent, so that it has a better coupling function.



Features

- FC, LC, SC and other connector types are available.
- High mechanical life, more than 1000 times of plugging and unplugging.
- Can provide a variety of jumper sheath forms, 0.9Hytrek, 2.0/3.0 PVC (with armor).
- Ultra-low loss, high return loss, high extinction ratio, excellent optical performance.
- Supports fast axis, slow axis, 45° and specified angles.

Applications

- Coherent optical detection
- high-speed optical transmission
- Aerospace
- industrial manufacturing
- optical sensing



Technical parameter

Fiber Type	Quartz Optical Fiber (100-1000um)
N/A	0.22~0.37
Transmission wavelength	380nm-2000nm
Alignment Type	Irregular or regular
Attenuation (dB/Km)	20~30
Operating Temperature	-20~180°C
Light transmittance	70% to 85%
Dark Silk Rate	<3%
Structure type	Single-core/Y-shape/split

