

## PM Patch cord

### Descriptions

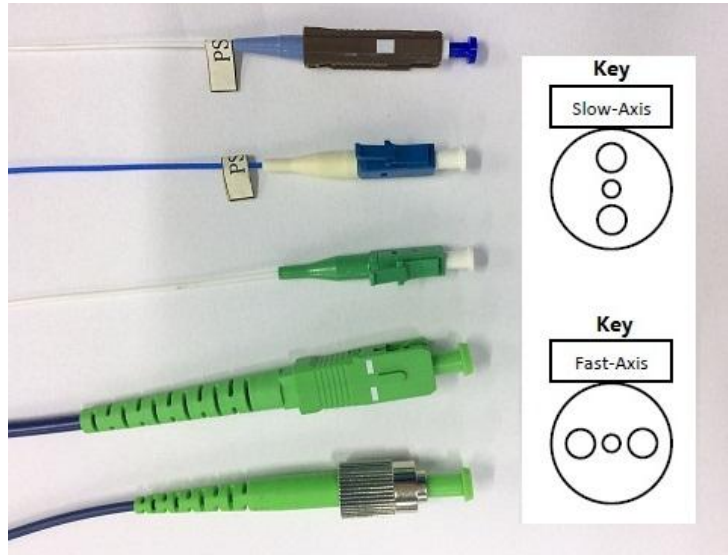
Anylink manufactures FC, SC, LC, MU and other types Polarization Maintaining fiber connectors. PM Fibers are designed to reduce cross-talk between modes. More information about PM Fiber, including the difference between fast and slow axis, as well as what extinction ratio

### Features

- ▶ Low Insertion Loss, High Return Loss
- ▶ High Extinction Ratio
- ▶ Alignment with Different Angle
- ▶ GR-1221 Compliance

### Applications

- ▶ PM Components
- ▶ Fiber Sensor System
- ▶ Coherent module and system
- ▶ PM Laser Source






### Specifications

| Parameter                  |     | Specification |         |          |        |        |        |         |        |
|----------------------------|-----|---------------|---------|----------|--------|--------|--------|---------|--------|
| Operating wavelength (nm)  |     | 1550          | 1310    | 980/1060 | 850    | 780    | 633    | 532/450 | 405    |
| Fiber type                 |     | PM 1550       | PM 1310 | PM 980   | PM 850 | PM 780 | PM 630 | PM 460  | PM 405 |
| Insertion loss(dB)         |     | ≤0.3          |         | ≤0.5     | ≤0.6   | ≤0.6   | ≤0.85  | ≤1.2    | ≤1.5   |
| Return loss<br>(dB)        | UPC | ≥50dB         |         |          |        |        |        |         |        |
|                            | APC | ≥60dB         |         |          |        |        |        |         |        |
| Extinction ratio(dB)       |     | ≥25           | ≥25     | ≥24      | ≥23    | ≥23    | ≥21    | ≥20     | ≥20    |
| Operating temperature (°C) |     | -20 ~ +75     |         |          |        |        |        |         |        |
| Storage temperature (°C)   |     | -40 ~ +85     |         |          |        |        |        |         |        |

Remark: Customized different connector type/ length tolerance/specifications.

### Axis Polarity

| Polarization                                              | FA (FAST)                                                                           | SA (SLOW)                                                                           | OA (other)                                                                            |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Direction of the stress producing members against the key |  |  |  |
|                                                           | The stress producing members are horizontal to the key :0°±3°                       | The stress producing members are perpendicular to the key :0°±3°                    | The stress producing members are at the designated angle to the key                   |

## Ordering Information

| <b>PMPC – A/B – C/D – E – F – G – H – I – J</b>                |                 |                                                                                                             |
|----------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------|
| <b>A</b>                                                       | Connector Type  | FC, SC, LC, MU, ST, etc                                                                                     |
| <b>B</b>                                                       | Ferrule Type    | PC, UPC, APC(Cone), APC (Step), etc                                                                         |
| <b>C</b>                                                       | Connector Type  | FC, SC, LC, MU, ST, etc                                                                                     |
| <b>D</b>                                                       | Ferrule Type    | PC, UPC, APC(Cone), APC (Step), etc                                                                         |
| <b>E</b>                                                       | Fiber Type      | PM1550, PM1310, PM980, PM850, etc                                                                           |
| <b>F</b>                                                       | Axis Polarity   | SA=Slow-Axis(perpendicular to key),<br>FA=Fast-Axis (horizontal to key),<br>OA=Other-Axis(Customer Request) |
| <b>G</b>                                                       | Tube Type       | 0.9=0.9mm loose tube, 2.0= 2.0mm loose tube, 3.0=3.0mm loose tube etc                                       |
| <b>H</b>                                                       | Jacket Color    | Blue(standard), White, Clear (Bare Fiber Only), etc                                                         |
| <b>I</b>                                                       | Jacket Material | PVC, Hytrel, Riser OFNR, PVDF, Customer Request                                                             |
| <b>J</b>                                                       | Total length    | 005=0.5m; 010=1.0m 100=10m etc                                                                              |
| For example: PMPC -FC/APC—SC/UPC-PM1550-SA-0.9-Blue-Hytrel-010 |                 |                                                                                                             |