

## 1064nm Single mode Patch-cord

### Key Features

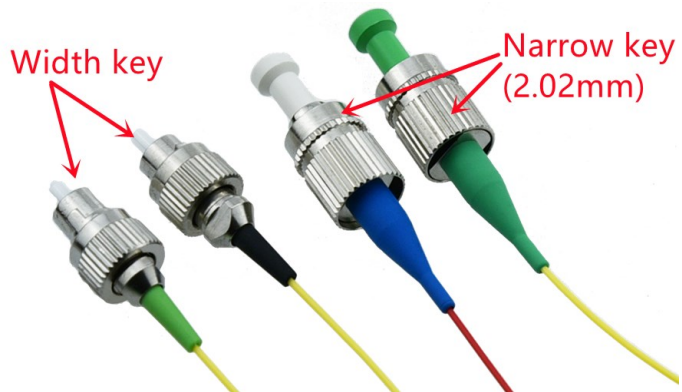
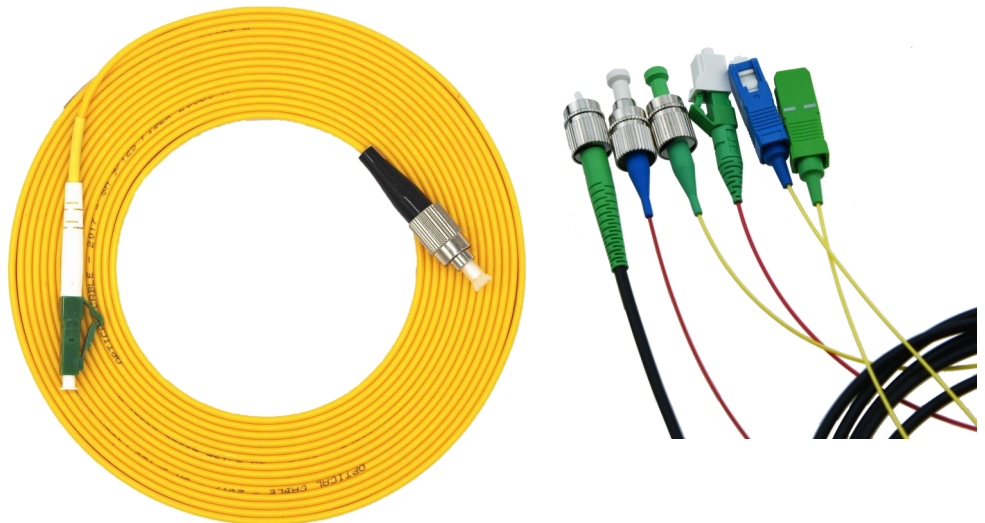
- High Return Loss
- Low Insertion Loss
- Excellent stability and reliability

Single Mode optical patch cords are widely used for linking the equipment and components in the fiber optic network. They are with various kinds of fiber optic connector types, including FC, LC, SC, etc. The fiber optic patch cord types are classified by the fiber optic connector types. For example, we name FC fiber optic patch cord because this cable is with FC fiber optic connector. There are PC, APC type fiber patch cord; they are different because of the polish of fiber connectors.

If you do not see a standard Single Mode optical patch cords that meets your needs, we welcome the opportunity to review your desired specification and quote a custom Single Mode optical patch cords. DK Photonics can respond to custom requirements with short lead times.

### Applications

- Fiber Laser
- Fiber Instruments
- Fiber I/O Port
- Optical Transmitters & Transceivers



## For more Info

### Please contact us at:

Tel: +86-755-23736280

Fax: +86-755-26746512

E-mail: [sales@dkphotonics.com](mailto:sales@dkphotonics.com)

<https://www.dkphotonics.com>

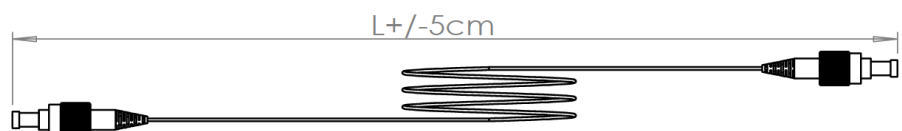
Add.:

4F, Bldg. 18, Qinghu Industrial Park,

Dahe Road, Longhua Dis.,

Shenzhen, China 518109

### Drawing Example (FC patch cord):



\*The default length accuracy is +/-5CM, please let us know if you have special requirements.

\*Due to ongoing design improvements, the package size is subject to change. Please contact DK Photonics for confirmation if you have special requirements.

## 1064nm Single mode Patch-cord

### Performance Specifications

| Parameters            | Unit  | Values   |
|-----------------------|-------|--|
| Connector type        | -     | FC   |
| Test wavelength       | nm    | 1064   |
| Operating Wavelength  | nm    | 980 - 1600   |
| Cutoff Wavelength     | nm    | 920 ±30  |
| Insertion loss        | dB    | ≤0.5   |
| Return loss           | PC    | ≥40  |
|                       | APC   | ≥55  |
| Fiber Type            | -     | 1060-XP  |
| Mode Field Diameter   | μm    | 5.9 ± 0.5 @ 980 nm, 6.2 ± 0.5 @ 1060 nm, 9.5 ± 0.5 @ 1550 nm |
| Numerical Aperture    | -     | 0.14   |
| Repeatability         | dB    | ≤0.2   |
| Changeability         | dB    | ≤0.3   |
| Optical Power         | mW    | ≤100   |
| Durability            | times | ≥1000  |
| Operation Temperature | °C    | -5 to 75   |
| Storage temperature   | °C    | -40°C ~ + 85 °C  |

- Above specification may change without notice.
- For 980~1700nm, default FC Connector key width: Width key (2.2 mm), If you need narrow key(2.0mm), please contact us
- Mode Field Diameter (MFD) is specified as a nominal value. It is the diameter at the 1/e<sup>2</sup> power level in the near field.
- The default length accuracy is +/-5CM, please let us know if you have special requirements.

### Order information

P/N: SMPC-①-②-③-④-⑤-⑥ (SMPig-①-②-③-④-⑤-⑥): for SM fiber pigtail with only 1 connector)

When you inquire, please provide the correct P/N number according to our ordering information and attach the appropriate description would be better.

| ①               | ②         | ③                | ④                 | ⑤            | ⑥          |
|-----------------|-----------|------------------|-------------------|--------------|------------|
| Test Wavelength | Grade     | Fiber Type       | Pigtails Diameter | Fiber Length | Connectors |
| 98:980nm        | P:P Grade | XXX (fiber code) | 90:900μm          | 05:0.5m      | FP: FC/PC  |
| 64:1064nm       |           |                  | 30:3.0mm          | 10:1.0m      | FA: FC/APC |
| XX: Others      |           |                  | XX: Others        | 15:1.5m      | XX: Others |
|                 |           |                  |                   | XX: Others   |            |

**Part Number Example:** SMPC-64-P-06X-90-20-FA

**Description:** 1064nm single mode patch cord, P grade, 1060-XP panda fiber, with 0.9mm OD loose tube, 2m fiber length, and FC/APC connectors at all ports.

### Ordering Information for Custom Parts

If you need to customize other specifications, please provide detailed description for your requirement.