

# Fiber Optic Patch Cord Simplex FC UPC to SC UPC

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## Variants

3M 3.00mm 10M 3.00mm 5M 3.00mm

## Details

### Product Description:

The FC UPC to SC UPC patchcord is a high-quality optical fiber cable designed to establish connections between devices or network components equipped with FC and SC interfaces. This patchcord, with a length of 5 meters, offers versatility and reliability for various network setups and installations. It ensures efficient data transmission over extended distances while maintaining signal integrity.

### Features:

- FC UPC to SC UPC Compatibility:** Specifically engineered to bridge FC and SC interfaces, ensuring seamless compatibility with a wide array of devices and network components.
- Premium Optical Fiber:** Crafted with top-tier optical fiber material, the patchcord guarantees minimal signal loss and high durability, ensuring consistent and stable data transmission.
- 5-Meter Length:** Provides ample length for flexible network configurations and installations, allowing for optimal positioning of connected devices and components.
- UPC Polishing:** Both FC and SC connectors are equipped with Ultra Physical Contact (UPC) polishing, enhancing signal transmission efficiency and reducing signal loss.
- Robust Construction:** Designed to endure diverse environmental conditions and installation demands, the patchcord offers long-term reliability and performance.

6. **Low Insertion Loss:** Precision engineering and high-quality components result in minimal insertion loss, preserving signal integrity and optimizing network efficiency.

## Working Mechanism:

1. **Connector Compatibility:** The FC UPC and SC UPC connectors on either end of the patchcord are tailored to mate with corresponding ports on optical devices or network equipment.
2. **Optical Signal Transmission:** When connected, the patchcord facilitates the transmission of optical signals between the FC and SC interfaces. The optical fibers within the patchcord carry the signals with minimal attenuation.
3. **UPC Polishing:** The UPC-polished connectors ensure low insertion loss and return loss, thereby maximizing signal integrity throughout the transmission path.
4. **Signal Reliability:** The precise alignment of optical fibers within the patchcord, coupled with its high-quality construction, contributes to reliable and efficient signal transmission, even across long distances.
5. **Flexibility:** With its 5-meter length, the patchcord offers flexibility in network layout and installation, accommodating various deployment scenarios without compromising signal quality.