

# **Fiber Optic Patch Cord Simplex SC UPC to SC APC**

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## **Variants**

1M 3.00mm 2M 3.00mm 3M 3.00mm 5M 3.00mm

## **Details**

# **OFC Patch Cord SC UPC to SC APC 3.00mm**

## **Overview:**

The Patch Cord SC UPC to SC APC 3.00mm Simplex is a high-quality fiber optic cable designed for efficient and reliable data transmission. Featuring SC UPC connectors on one end and SC APC connectors on the other, this 1-meter Simplex patch cord provides minimal back reflection and optimal signal integrity. With a 3.00mm diameter, it ensures durability and flexibility, making it suitable for a wide range of applications in telecommunications, data centers, and networking environments.

## **Key Features:**

### **SC UPC to SC APC Connectors:**

The SC UPC (Ultra Physical Contact) connector on one end ensures low insertion loss and optimal signal transmission, while the **SC APC (Angled Physical Contact)** connector on the

other end minimizes back reflection, improving the overall performance of optical communication.

### **Simplex Configuration:**

This Simplex design features a single optical fiber for one-way data transmission, ideal for connecting devices where a dedicated data pathway is needed. It's a perfect solution for networking setups that require efficient, high-speed data flow.

### **3.00mm Outer Diameter:**

The 3.00mm diameter ensures durability while maintaining flexibility, providing a balance between strength and ease of installation. The robust yet flexible design makes it suitable for both fixed and movable installations in various environments.

### **Applications:**

**Telecommunication Networks:** Ideal for connecting routers, switches, and transceivers, ensuring stable and high-quality data transmission across telecommunications infrastructure.

**Data Centers:** Perfect for linking servers, storage devices, and network switches, providing low-latency, high-speed connections within data center environments.

**Networking:** Suitable for short-range fiber optic connections in enterprise and commercial networks, ensuring clear and reliable data flow between network devices.

**Testing and Troubleshooting:** This patch cord can also be used in fiber optic testing and troubleshooting setups, ensuring accurate measurements and diagnostics in optical network systems.

### **Performance Benefits:**

**Low Insertion Loss:** The SC UPC connector ensures minimal signal loss during transmission, making the cable ideal for high-speed applications.

**High Return Loss:** The SC APC connector significantly reduces back reflection, ensuring consistent performance and higher efficiency in optical communication.

**Durability and Flexibility:** The 3.00mm outer diameter provides a durable, flexible design that can withstand regular use and stress while being easy to handle during installations.

## Why Choose This Patch Cord?

The Patch Cord SC UPC to SC APC 3.00mm Simplex is an excellent choice for anyone who needs a reliable, high-performance fiber optic cable for short-range connections. Its SC UPC and SC APC connectors ensure optimal signal clarity, minimal loss, and reduced back reflection, making it an ideal solution for applications in telecommunications, data centers, and networking environments.

## Compliance and Standards:

Meets international industry standards such as ISO/IEC, TIA/EIA, and other relevant optical and telecommunication specifications for fiber optic cables and connectors.

## Package Includes:

1 x Patch Cord SC UPC to SC APC 3.00mm Simplex

Ensure high-quality and low-loss data transmission with the Patch Cord SC UPC to SC APC 3.00mm Simplex, a reliable and efficient fiber optic solution for professional environments.

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