

# Fiber Optic Patch Cord Simplex LC UPC to SC UPC

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## Variants

1M 3.00mm 3M 3.00mm 2M 3.00mm 0.5M 3.00mm 5M 3.00mm 10M 3.00mm

## Details

Product Description: Patch Cord LC UPC to SC UPC 3.00mm Simplex

Introduction: The Patch Cord LC UPC to SC UPC 3.00mm Simplex is a premium fiber optic cable designed to provide reliable, high-performance data transmission for single-mode applications. This patch cord features LC UPC (Ultra Physical Contact) connectors on one end and SC UPC (Ultra Physical Contact) connectors on the other. With a 1-meter length and 3.00mm outer jacket, it is ideal for short-distance fiber optic connections in a variety of environments such as data centers, telecommunications, and network setups. The Simplex design ensures efficient one-way fiber transmission, making it perfect for point-to-point connections that require minimal signal loss.

Technical Parameters:

Connector Type: LC UPC to SC UPC (Ultra Physical Contact)

Cable Type: Simplex

Cable Diameter: 3.00mm

Fiber Mode: Single-mode (SM)

Fiber Type: OS2 (Single-Mode Fiber)

Insertion Loss: 0.3 dB (typical)

Return Loss: >50 dB (typical for LC and SC UPC connectors)

Operating Temperature: -40°C to +75°C

Storage Temperature: -40°C to +85°C

Compliance: RoHS Compliant, UL Listed

Attenuation: ?0.4 dB/km (at 1310nm)

Key Features:

**LC UPC to SC UPC Connectors:** The LC UPC and SC UPC connectors provide reliable performance with low insertion loss and high return loss. The UPC (Ultra Physical Contact) finish ensures that the connectors are highly polished, reducing signal reflection and improving data transmission quality.

**Simplex Configuration:** The Simplex design allows for one-way fiber transmission, making it ideal for point-to-point connections in single-fiber applications, such as patch panels, routers, or switches.

**3.00mm Durable Jacket:** The 3.00mm outer jacket provides excellent protection against physical damage and environmental factors while maintaining flexibility for easy handling and installation in tight spaces.

**Single-Mode OS2 Fiber:** The OS2 single-mode fiber is optimized for minimal signal loss over long distances, ensuring high-quality data transmission even in demanding, high-bandwidth applications.

**Low Insertion Loss & High Return Loss:** This patch cord is designed to minimize insertion loss and deliver high return loss, ensuring efficient signal transmission and enhanced network performance.

#### Product Advantages:

**Reliable Data Transmission:** The LC UPC to SC UPC connectors ensure that signal transmission is both reliable and efficient, with minimal loss and interference, making this patch cord perfect for high-performance fiber optic applications.

**Optimal for Short-Distance Connections:** It is ideal for installations where only a short fiber optic connection is needed, offering flexibility in confined spaces while maintaining superior performance.

**Durability and Protection:** The 3.00mm jacket offers enhanced durability, protecting the fiber from abrasion, bending, and environmental factors, ensuring long-term reliability and performance.

**Versatile Connectivity:** This patch cord is perfect for a variety of applications, including data centers, telecommunications, network switches, and fiber optic equipment, providing flexibility and reliability for short-range fiber optic connections.

**Cost-Effective Solution:** With its high-quality construction and reliable performance, this patch cord provides a cost-effective solution for fiber optic network installations, reducing maintenance costs and ensuring longevity.

**Compact and Flexible:** The length offers just the right amount of reach for tight installations, making it easy to route cables and keep fiber optic systems organized.

The Patch Cord LC UPC to SC UPC 3.00mm Simplex is a reliable and high-performance fiber optic cable that ensures efficient data transmission for short-range connections. Whether used in data centers, telecommunications, or other network environments, this patch cord provides excellent signal quality with minimal insertion loss, making it a perfect solution for high-speed, short-distance fiber optic communication.