

Fiber Optic Patch Cord Simplex FC UPC to LC UPC

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Variants

5M 3.00mm 7M 3.00mm 10M 3.00mm

Details

1. Product Description: Patch Cord FC UPC to LC UPC 3.00mm Simplex

Introduction: The **Patch Cord FC UPC to LC UPC 3.00mm Simplex** is a high-performance fiber optic cable designed for efficient and reliable data transmission in single-mode applications. This patch cord features **FC UPC (Ultra Physical Contact)** on one end and **LC UPC (Ultra Physical Contact)** connectors on the other. The **length** and **3.00mm outer jacket** provide a flexible, durable solution for medium-distance fiber optic connections in data centers, telecommunications, and high-speed networking applications. The **Simplex configuration** ensures one-way transmission, ideal for point-to-point fiber connections.

Technical Parameters:

Connector Type: FC UPC to LC 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 FC and LC 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:

FC UPC to LC UPC Connectors: The **FC UPC** and **LC UPC** connectors are engineered for high-precision, low-loss data transmission. The **UPC** finish minimizes signal reflection and insertion loss, ensuring optimal signal quality and reliable performance.

Simplex Configuration: The **Simplex design** supports one-way fiber transmission, which is perfect for connecting devices that require unidirectional communication, such as switches, routers, and optical networks.

3.00mm Durable Jacket: The **3.00mm outer jacket** offers robust protection against physical damage, wear, and environmental stress while maintaining flexibility for easy routing and installation.

Single-Mode OS2 Fiber: The **OS2 single-mode fiber** minimizes signal loss over long distances, making it ideal for high-bandwidth applications, ensuring clear and uninterrupted data transfer.

Low Insertion Loss & High Return Loss: This patch cord is designed to minimize **insertion loss** and provide **high return loss**, ensuring that your network remains clear and efficient over extended periods of time.

Product Advantages:

High-Quality Data Transmission: The **FC UPC to LC UPC connectors** ensure excellent performance, with low insertion loss and high return loss, making this patch cord ideal for fiber optic systems that require consistent and high-quality signal transmission.

Ideal for Medium-Distance Applications: With this patch cord is perfectly suited for installations requiring medium-range fiber connections, such as **data centers**, **telecommunications**, and **network infrastructure**.

Durability and Flexibility: The **3.00mm jacket** offers both durability and flexibility, providing robust protection against physical wear while maintaining ease of installation in tight spaces.

Perfect for Single-Mode Networks: The **OS2 single-mode fiber** ensures minimal signal degradation, making this patch cord suitable for long-distance applications with high bandwidth requirements.

Cost-Effective Solution: The **high-quality construction** ensures longevity and reliability, providing a cost-effective and durable solution for fiber optic network installations.

Compact and Efficient: The **Simplex configuration** makes this patch cord ideal for environments where only one-way communication is needed, ensuring efficient use of space and resources in networking setups.

The **Patch Cord FC UPC to LC UPC 3.00mm Simplex** is the ideal solution for medium-distance, high-performance fiber optic connections. Whether used in **data centers**, **telecommunications**, or other networking systems, this patch cord ensures reliable data transmission, minimal signal loss, and long-term durability, making it a cost-effective choice for fiber optic network infrastructure.