Fiber Optic Patch Cord Simplex LC UPC to SC UPC

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Variants

40M 3.00MM 3M 3.00mm 2M 3.00mm 0.5M 3.00mm 1M 3.00mm 5M 3.00mm 15M 3.00mm 10M 3.00mm 25M 3.00MM 30M 3.00MM 20M 3.00MM 35M 3.00MM

Details

Patch Cord LC UPC to SC UPC 2.0 / 3.0mm Simplex

Product Overview

The Patch Cord LC UPC to SC UPC Simplex is a high-quality fiber optic cable designed for reliable and efficient data transmission in single-mode applications. It features an LC UPC connector on one end and an SC UPC connector on the other end, providing low insertion loss and high return loss for stable optical performance. With simplex construction and 2.0mm / 3.0mm cable options, it is suitable for data centers, telecommunications, patch panels, routers, switches, and other fiber optic network environments.

Technical Specifications

Parameter	Details
Connector Type	LC UPC to SC UPC
Cable Type	Simplex
Cable Diameter	2.0 mm / 3.0 mm
Fiber Mode	Single Mode (SM)
Fiber Type	OS2

Insertion Loss	0.3 dB (typical)
Return Loss	> 50 dB (typical)
Operating Temperature	-40°C to +75°C
Storage Temperature	-40°C to +85°C
Attenuation	? 0.4 dB/km @ 1310 nm
Compliance	RoHS Compliant, UL Listed

Key Features

Feature	Description
LC UPC to SC UPC Connectors	Provides reliable connectivity with low insertion loss and high return loss
Simplex Design	Ideal for one-way optical transmission in single-fiber applications
Durable Jacket	2.0mm / 3.0mm outer jacket offers flexibility and protection
OS2 Single-Mode Fiber	Ensures stable transmission with minimal signal loss
High Optical Performance	Low insertion loss and high return loss improve network efficiency

Product Advantages

Advantage	Benefit
Reliable Data Transmission	Delivers stable signal quality with minimal interference
Short-Distance Performance	Suitable for patching and direct equipment connectivity

Durability	Outer jacket protects against abrasion, bending, and daily handling
Versatile Connectivity	Works with patch panels, routers, switches, and fiber equipment
Cost-Effective Solution	Offers long-term performance with low maintenance requirements

Applications

No.	Application
1	Data centers
2	Telecommunications
3	Patch panels and ODF connections
4	Switches, routers, and media converters
5	General fiber optic network installations

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