# Fiber Optic Patch Cord Simplex LC UPC to SC APC

Fiber Optic Patch Cord Simplex  LC UPC to SC APC

## Variants

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

## Details

SINGLE-MODE • SIMPLEX PATCH CORD

G.652D Single-Mode • Simplex • Low Insertion Loss • 1310nm / 1550nm

The **LC/UPC to SC/APC Simplex Fiber Optic Patch Cord** is designed for reliable single-mode optical connections in FTTH, FTTx, telecom and data communication networks. It combines a compact **LC/UPC connector** with an **SC/APC connector** and uses G.652D single-mode fiber for stable transmission at 1310nm and 1550nm.

CONNECTOR A

**LC/UPC**

CONNECTOR B

**SC/APC**

FIBER TYPE

**G.652D**

MODE

**Simplex**

## Connector Configuration

CONNECTOR A

**LC/UPC**

UPC Polish • Blue Connector

CONNECTOR B

**SC/APC**

APC Polish • Green Connector

## Key Features

? High-precision LC/UPC to SC/APC connectors

? Low insertion loss and excellent return loss

? Single-mode G.652D optical fiber

? 2.0mm or 3.0mm cable diameter

? LSZH or PVC jacket options

? Multiple lengths and custom lengths available

## Technical Specifications

| Parameter | Specification |
|---|---|
| **Connector Type** | **LC/UPC to SC/APC** |
| **Fiber Type** | Single-Mode G.652D |
| **Mode** | Simplex |
| **Jacket Material** | LSZH / PVC |
| **Cable Diameter** | 2.0 mm / 3.0 mm |
| **Insertion Loss** | **? 0.30 dB** (Typical) |
| **Return Loss – UPC** | ? 50 dB |
| **Return Loss – APC** | ? 60 dB |
| **Operating Wavelength** | 1310 nm / 1550 nm |
| **Length Options** | 1m – 30m / Custom Length Available |
| **Cable Color** | Yellow |
| **Temperature Range** | ?40°C to +85°C |

## Optical Performance

INSERTION LOSS

**? 0.30 dB**

UPC RETURN LOSS

**? 50 dB**

APC RETURN LOSS

**? 60 dB**

WAVELENGTH

**1310 / 1550nm**

## Applications

FTTH Networks | FTTx Networks | OLT Connectivity | ONU Connectivity | Routers | Media Converters | Telecom Networks | Fiber Distribution

### Connector Note

This patch cord uses **LC/UPC on one end** and **SC/APC on the other end**.

Confirm the connector type of your equipment or adapter before installation.

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