

## Fiber Optic Patch Cord Types and Prices



### Overview

Fiber Optic Patch Cables: The Complete 2026 Buyer's Guide Confused by LC, SC, MPO, UPC, and APC?

This complete fiber optic patch cable guide covers connecto.

### Key Takeaways

Fiber optic patch cord prices vary widely, typically ranging from \$5 to \$50 per unit depending on fiber type, connector type, length, and additional features like armoring or bend-insensitivity. Price Ranges by Patch Cord Type

- Single-mode patch cords (OS1/OS2): Designed for long-distance applications, usually with LC or SC connectors. Prices typically range from \$5 to \$20 for standard 1-3 meter cords, with longer lengths or premium connectors increasing costs .
- Multimode patch cords (OM1-OM5): Used for shorter distances, often with LC, SC, or ST connectors. Standard 1-3 meter cords cost around \$5-\$15, with OM4/OM5 or specialized mode-conditioning cables costing more .
- Armored patch cords: Include a protective metal layer for harsh environments. These can cost \$15-\$50 per cord, depending on length and connector type .
- Bend-insensitive patch cords: Designed to minimize signal loss from bending, typically priced \$10-\$30 for standard lengths .
- Uniboot patch cords: Feature a single boot for both connectors, simplifying high-density installations. Prices generally range \$10-\$25 .

- Mode-conditioning patch cords: Used in Gigabit Ethernet to correct modal dispersion, costing \$15–\$35 depending on fiber type and length .

#### Factors Affecting Price

- Connector Type: LC, SC, ST, MPO/MTP, and E2000 connectors vary in cost due to precision alignment and polishing requirements. MPO/MTP connectors for multi-fiber cores are more expensive .
- Cable Length: Prices increase linearly with length, but bulk orders often reduce per-meter cost .
- Fiber Type: Single-mode fibers (OS1/OS2) for long distances are generally more expensive than multimode fibers (OM1–OM5) for short distances .
- Jacket Material: LSZH (Low Smoke Zero Halogen) jackets for data centers or public buildings cost more than standard PVC .
- Bulk Orders and OEM Customization: Ordering in bulk or without custom logos can significantly reduce unit costs, while custom labeling or testing adds \$30–\$100 setup costs .

#### Practical Considerations

- Data Centers: LC duplex or MPO breakout cords are common for intra-rack and inter-rack connections .
- FTTH Installations: Indoor-outdoor transition cords connect outside plant to customer premises, often requiring LSZH or armored cables .
- High-Density Environments: Uniboot or bend-insensitive cords simplify cable management and reduce insertion loss . By considering fiber type, connector type, length, and environmental requirements, you can select the most cost-effective patch cord while ensuring reliable performance for your network.

## Article Content

### Fiber Optic Patch Cables: FC, SC, ST & LC Connector Guide 2026

Not sure which fiber optic patch cable to buy? This practical guide breaks down FC, SC, ST, and LC connectors—with

#### Fiber Optic Patch Cables, Fiber Patch Cords

Get low-loss fiber patch cables & cords with various connector options that support fiber optic cabling up to 400G. 100% tested.

#### Fiber Optic Cables

It is composed of a fiber optic cable terminated with different connectors on the ends. FiberMart provides various types of fiber optic

## Fiber Optic Patch Cord Types: SC/LC/FC/ST Connectors, APC/UPC

A fiber optic patch cord is finished with a connector that can provide seamless and fundamental links between optical components.

## 8 Best Fiber Optic Patch Cords for High-Speed Networks in 2025

Fiber optic patch cords are the key components that bridge active equipment in high-speed networks. They ensure

254432 LC to LC Fiber Optic Patch Cable, OS2, Single Mode, Duplex,

The equip® 254432 LC to LC fiber optic patch cable is a duplex single-mode OS2 fiber cable designed for stable and precise optical

## Ultimate Guide to Fiber-Optic Patch Cables: Types, Selection, and

Learn about fiber optic patch cables, their types, construction, applications, and how to choose the right one for your

## Fiber Patch Cord & Pigtail: Types, Termination & Selection Guide

This article is a selection guide for Fiber patch cords and pigtails, which systematically introduces the definitions and

## A Comprehensive Guide to Optical Patch Cords Types

Optical patch cords, also known as fiber optic jumpers, are indispensable in linking optical devices and ensuring

## Fiber Optic Cables | OM1 OM2 OM3 OM4 OS2 | Singlemode Multimode

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## Multimode Fiber Optic Patch Cords | LC/SC/ST Duplex Cables

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High-quality connectivity to empower your network with our fiber patch cables. These high-speed connectivity solutions are

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