Single-core fiber optic patch cord reference price list

Overview

FS offers full range of fibre optic patch leads & cables with bend insensitive fibre design that support fibre optic cabling up to 400G. 100% end-face, IL & RL tested.

Key Takeaways

A single-core single-mode fiber optic patch cord typically costs between $0. 13 and $6 per foot, depending on length, connector type, and cable construction.

Pricing Overview

The cost of a single-core fiber optic patch cord varies widely based on several factors: Cable Type and Fiber Mode: Single-mode fiber is generally less expensive per foot than multimode fiber, with typical material costs ranging from $0. 10 to $0. 50 per foot for single-mode cables.

Length: Standard patch cord lengths range from 0. 5 meters to over 100 meters, with 1–10 meters being most common for data centers and FTTH deployments. Prices increase linearly with length.

Connector Type: LC connectors dominate high-density deployments, while SC connectors are common in FTTH applications. Factory-terminated connectors add to the cost, with LC-LC or SC-LC assemblies generally priced higher than simple SC-SC cords. Cable Construction: Armored or LSZH (Low Smoke Zero Halogen) jackets increase durability and cost.

Armored cords can range from $0. 50 to $5 per foot.

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Typical Cost Examples

Short FTT

H drop cable (1-core, single-mode): Around $0. 13 per foot. Standard single-mode patch cord (1–10 meters, LC-LC): Retail prices typically range from $5 to $20 per cord depending on quality and testing standards.

High-performance or armored cords: Can reach $6 per foot or more for specialized applications.

Additional Considerations

Volume Discounts: Large orders (10,000+ pieces) can receive 15–30% off. Testing and Quality: Ensure 100% insertion loss (IL) and return loss (RL) testing with interferometry reports to avoid performance issues. Application: Single-core single-mode cords are ideal for long-distance transmission, PON networks, and coherent optics, while multimode is more cost-effective for short-reach applications.

In summary, a single-core single-mode fiber optic patch cord can cost as little as $0. 13 per foot for basic FTTH drops, with typical retail patch cords ranging from $5 to $20 per cord, and specialized or armored versions reaching higher prices depending on length, connector type, and construction.

Article Content

How Much Do Fiber Patch Cords Cost? OEM & Bulk Pricing Breakdown

Understand fiber patch cord pricing from a B2B perspective. Learn how OEM production, volume, customization, and connector types influence cost for single mode, multimode, and MPO

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Fiber Optic Patch Cord, Single Mode & Multimode Patch Cord

Fiber optic patch cords are one of the most widely used fundamental components in optical communication, primarily used in fiber optic communication systems, fiber optic access networks,

Single Core Fiber Optic Patchcord

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Fiber Optic Patch Cords | SC, LC, and ST | SM/MM – Primus Cable

Fiber optic patch cords are used for short distance installations that connect to patch panels, switches and telco equipment. We supply patch cords in single mode and multi-mode options.

Fiber Optic Cable Assemblies | Fiber Patch Cords and Fiber Jumpers ...

Corning offers the most complete line of connectors and factory-terminated cables, from single-fiber patch cords to high-fiber-count assemblies.

Optical Fiber & Fiber Patch Cables

Thorlabs manufactures and stocks a range of optical fibers and patch cables based on single mode (SM), polarization maintaining (PM), multimode (MM), or specialty (e.g., photonic crystal, double

Fiber Optic Patch Cord Types

Learn about fiber optic patch cord types—MPO, LC, SC, FC, ST—plus key features and uses to optimize your network setup. A detailed guide for all.

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Connector Color Code Now, let''s talk about the fiber color codes of optical connectors. In general, we can use different color coding to help identify

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Fiber Optic Patch Cords & Pigtails Selection Guide

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Learn how to pick the right fiber optic patch cord or pigtail. Avoid installation errors. Based on 12+ years of field experience. Step-by-step guide

Single-mode optical fiber

In fiber optics, a quadruply clad fiber is a single-mode optical fiber that has four claddings. Each cladding has a refractive index lower than that of the core.

Fiber Optic Cable Pricing Guide: Factors That Affect Cost ...

This guide outlines the major factors that influence fiber optic cable costs and provides practical tips for estimating pricing in bulk or project-based scenarios.

How to Make the Fiber Optic Patch Cords?

Producing high-quality fiber optic patch cords involves precise steps and procedures. This comprehensive guide will walk you through the entire process of making fiber optic patch cords.

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