

Price List of Standard Fiber Optic Connectors

Article Overview

Common fiber optic connectors typically range from \$1 to \$15 per unit, depending on type, polish, and quantity.

Typical Price Ranges by Connector Type

- o SC (Subscriber Connector): Widely used in FTTH and data centers, SC connectors generally cost \$1-\$5 per unit for standard UPC versions, while APC versions may range \$3-\$8 due to higher precision and lower return loss requirements .
- o LC (Lucent Connector): Popular in high-density data centers, LC connectors are slightly more expensive due to their miniaturized design. Prices typically range \$2-\$6 per unit for UPC and \$4-\$10 for APC .
- o ST (Straight Tip): Older bayonet-style connectors used in legacy or industrial networks cost around \$1-\$4 per unit, making them economical for maintenance of existing systems .
- o FC (Ferrule Connector): Threaded connectors for high-vibration environments are more specialized, with prices ranging \$3-\$12 per unit, depending on polish type and manufacturer .
- o MPO/MTP (Multi-Fiber Push-On/Pull-Off): Multi-fiber connectors used in high-density applications like data centers are more expensive, typically \$10-\$15 per unit, reflecting their complexity and multi-fiber alignment requirements .

Factors Affecting Prices

- o Polish Type: UPC (Ultra Physical Contact) connectors are generally cheaper than APC (Angled Physical Contact) connectors due to lower manufacturing precision requirements .
- o Singlemode vs Multimode: Singlemode connectors often cost slightly more than multimode due to tighter tolerances for low-loss transmission .
- o Quantity and Bulk Orders: Prices per unit decrease significantly when purchased in bulk, especially for data center deployments or telecom projects .
- o Brand and Certification: Connectors from premium manufacturers (Amphenol, Broadcom, TE Connectivity) may carry higher prices but offer better reliability and lower insertion loss .

Market Trends

The fiber optic connector market is growing steadily, with global market size reaching \$5.61 billion in 2025 and expected to grow to \$5.98 billion in 2026, driven by FTTH expansion, 5G deployment, and data center construction . Field-terminable connectors are becoming more popular, offering cost savings in installation and maintenance. In summary, for most common applications, expect SC and ST connectors around \$1-\$5, LC connectors \$2-\$10, FC connectors \$3-\$12, and MPO/MTP connectors \$10-\$15 per unit, with prices influenced by polish type, fiber mode, and order volume.

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A fiber optic connector is a mechanical device used to align and join optical fibers, enabling light to pass through with

Fiber optic connectors that come in various configurations and types are important components of fiber optic cables.

An optical fiber connector is vital in fiber optic communication, ensuring stable, efficient connections between optical fibers for

SC/APC to SC/APC Fiber Optic Internet Cable, Armored Single Mode Patch Cable, Fiber Optic Jumper Optical Patch Cord -

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