

Price of Fiber Optic Connector with Sheath



AI Overview

Fiber optic connectors with protective sheaths typically range from \$2 to \$50 per unit, depending on type, fiber mode, and cable length. Pricing Overview Basic connectors such as ST, SC, or LC with short pigtails or simple sheaths can cost around \$2 to \$10 each for singlemode or multimode options when purchased individually from distributors like Mouser or DigiKey. Pre-assembled patch cords with LSZH (low smoke zero halogen) sheaths, polished ferrules, and standard lengths (1-25 meters) are generally priced between \$10 and \$50, depending on fiber type (OM1, OM2, OM3, OM4, or singlemode) and connector configuration (simplex or duplex). Multi-fiber assemblies or specialized connectors (MPO, MT-RJ, or ruggedized types) can exceed \$50 per unit, especially for longer cables or high-performance industrial applications.

Factors Affecting Price

Connector Type: ST, SC, LC, MPO, and MT-RJ connectors vary in complexity and cost.

Fiber Mode: Singlemode connectors are usually slightly more expensive than multimode due to tighter tolerances.

Cable Length and Sheath Material: Longer cables and LSZH or armored sheaths increase the price.

Quantity: Bulk purchases often reduce the per-unit cost.

Performance Specifications: Low insertion loss, high return loss, and polished ferrules can add to the cost.

Where to Buy

Mouser Electronics: Offers a wide range of fiber optic connectors with pricing filters and same-day shipping.

DigiKey: Provides both individual connectors and pre-assembled connector assemblies with detailed specifications and pricing.

RS Components: Lists patch cords with protective sheaths, including ST to ST assemblies, with prices based on length and fiber type.

Amazon: Offers consumer and industrial-grade connectors, often in packs, with prices varying by quantity and type.

For accurate pricing, it is recommended to check the distributor's website and selec...

Article Content

Camplex 4-Channel LC Multimode OM1 Fiber Optic Tactical Reel

Note: Our Tactical Fiber Snake Reel INCLUDE Schill fiber optic cable reels with connector protection cavity and hinged latching door. Each Schill reel has been carefully selected to ensure proper

Amazon : Fiber Optic Connectors

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Fiber Optical Cable Corporation & Manufacturer

Weichuang Optics is one of the top fiber optic cable companies based in Jiangsu, China. We specialize in providing high-quality fiber optic cables, connectors, patch cords, and customized optical solutions

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Best Premade Fiber Optic Cables for Outdoor and Indoor Use

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Description of 24 Core GYTY53 fiber optic cable Fiber optic cable GYTY53, 2~144 fibers, central strength member (steel), jelly filled, fiber contained loose tube and PP filler (if necessary) stranded,

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