

Price of Fiber Optic Coupler



Overview

High-quality fiber optic connectors and couplers are essential for a reliable fiber optic transmission.

Key Takeaways

Fiber optic couplers typically cost between \$5 and \$100 each, depending on type, quality, and application. Fiber optic couplers are essential components for splitting or combining optical signals in a network. The price varies widely based on the coupler type, fiber mode, and performance specifications.

Common types include LC, SC, ST, MTP, FBT (Fused Biconic Taper), and PLC (Planar Lightwave Circuit) couplers, each with different insertion loss, wavelength range, and durability characteristics. Typical cost ranges: Standard LC/SC couplers for singlemode or multimode fibers: approximately \$5-\$20 each for basic models suitable for indoor or low-power applications.

High-performance PLC or FB

T couplers with low attenuation and precise signal distribution: \$20-\$100 each, often used in professional or high-density networks. Specialty couplers such as TAP, isolator, dual-window, or high-power couplers may exceed \$100, depending on customization and power handling requirements. Factors influencing cost include: Fiber type: Singlemode couplers are generally more expensive than multimode due to tighter tolerances.

Connector quality: Ceramic sleeves and APC/PC polishing increase reliability and cost. Application: Outdoor, high-power, or space-constrained installations may require specialized couplers. Volume: Bulk purchases or pre-terminated assemblies can reduce per-unit cost.

For planning purposes, a small indoor network may only require a few low-cost couplers, while large commercial or data center deployments could involve hundreds of high-performance couplers, significantly increasing total project cost. In summary, expect to pay \$5-\$100 per fiber optic coupler, with higher-end or specialized models costing more, and the final price depends on type, quality, and intended application.

Article Content

Buy fiber optic couplers from the experts

High-quality fiber optic connectors and couplers are essential for a reliable fiber optic transmission. In our online store, we offer a wide range of fiber optic connectors

Amazon : Fiber Optic Coupler

Discover fiber optic couplers for network connectivity. Find SC, LC, and ST adapters with low insertion loss for reliable connections.

Amazon : Fiber Coupler

ST Fiber Optic Couplers for Extending STUPC Single Mode Cables - Our STUPC Fiber Connectors are pre-Cleaned Barrel Connectors.

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Thorlabs offers a varied selection of single mode (SM), polarization-maintaining (PM), multimode (MM), and double-clad fiber couplers, as well as 1x8 and 1x16 SM PLC splitters; 1x4, 1x8, and 1x16 PM

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StarTech LC to LC Coupler 10 Pack, OS2 Single Mode SC

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Dust Cap for Fiber LC Coupler Pkg/10

L-com offers an extensive line of protective dust caps for both fiber optic adapters and couplers. These universal caps protect fiber adapters and couplers from contaminants and damage that can cause

SpeedyCables Duplex LC to LC Fiber Optic Coupler

Product description Introducing the SpeedyCables Duplex LC to LC Fiber Optic Coupler (6 Pack), designed for seamless connectivity in your fiber optic network. Engineered for high performance, our

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Coupler Fiber Optic Connectors are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Coupler Fiber Optic Connectors.

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Startech SIMPLEXSCAPCF for \$16.38 - Startech Sc To Sc Coupler 10 Pack, Os2 Single Mode Sc Fiber Optic Coupler With Flange, Sc/apc Simple at CompSource as of Friday Jul 10, 2026

CONEC Fibre-optic connector, single mode coupling

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