

Price of non-metallic fiber optic cable connectors



Overview

Amazon.com: Fiber Optic Connector 20pcs SC/APC Fiber Fast Connector for 2x3mm Butterfly Fiber Cable | Quick connectors for 2x3mm butterfly drop cable. Singl.

Key Takeaways

Non-metallic fiber optic connectors, typically using ceramic or plastic ferrules, generally range from \$1 to \$10 per unit depending on type, polish, and quantity.

Non-metallic fiber optic connectors are widely used in modern optical networks for their lightweight, durable, and thermally stable properties. Most connectors feature Zirconia ceramic ferrules or high-grade plastic ferrules, which provide precise alignment of fiber cores while maintaining low insertion loss and high durability . Common connector types include LC, SC, ST, FC, and MPO, with polish options such as UPC (Ultra Physical Contact) and APC (Angled Physical Contact) .

Pricing Range

- Single connectors: Prices typically start around \$1–\$3 per unit for standard LC or SC connectors with UPC polish when purchased in small quantities .
- Higher-performance connectors: APC connectors or connectors designed for high-density data centers may cost \$5–\$10 per unit .

- Bulk orders: Purchasing in larger quantities often reduces the per-unit cost, especially from distributors like Mouser or DigiKey, which provide quantity-based pricing .

Factors Affecting Price

- Connector Type: LC connectors are generally smaller and slightly cheaper than SC or MPO connectors.
- Polish Type: APC connectors are more expensive than UPC due to angled end-face design reducing back-reflection.
- Material: Ceramic ferrules are more durable and slightly more expensive than plastic ferrules.
- Quantity: Bulk purchases significantly lower the per-unit cost.
- Supplier and Shipping: Prices vary between online retailers (Amazon, FS, DigiKey) and may include tariffs or shipping fees .

Where to Buy

- Amazon: Offers a variety of LC, SC, and ST connectors, typically in small quantities for \$1-\$5 per unit .
- Mouser Electronics: Provides detailed specifications and quantity-based pricing for industrial and telecom-grade connectors .
- DigiKey: Stocks a wide range of connectors including POF, multimode, and single-mode options, with pricing based on type and quantity .
- ME Fiber Optic: Specializes in connectors with ceramic ferrules, suitable for high-density and FTTH applications . In summary, non-metallic fiber optic connectors are affordable and widely available, with prices influenced by connector type, polish, material, and order quantity. For precise pricing, checking supplier websites with your required specifications is recommended.

Article Content

Amazon : Fiber Optic Connector

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Fiber Optic Connectors | Connectors, Interconnects | DigiKey

Shop DigiKey's large in-stock selection of Fiber Optic Connectors. View inventory, pricing and order now for same day shipping!

Fiber Connectors

Fiber Optic Connectors are used to connect two runs of fiber optic cable and consist of an adapter assembly along with two plugs.

Wholesale Fiber Optic Connectors & Couplers | CableWholesale

Fiber optic couplers are available to match same-plug cables or to mate different plugs such as ST/SC connectors. CableWholesale

Fiber Optic Connectors - Mouser

Applications: Fiber optic connectors are commonly used in telecommunications networks, data centers, industrial automation

Shop Fiber Optic Cable Connectors

Fiber optic connectors provide mechanical coupling as well as optical alignment in locations where a removable joint is required. The

Fiber Optic Connectors and Couplers

Shop premium fiber optic connectors and couplers at Discount Low Voltage to build secure, high-performance network connections

Fiber Optic Connectors | TE Connectivity

Fiber Optic Solutions for Long-Term Reliability and Flexibility TE's fiber optic connectors accommodate 10G Ethernet — with the

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

