

Fiber Optic Patch Cord Processing Price List

Article Overview

Fiber optic patch cord prices typically range from \$5 to \$50 per unit, depending on fiber type, connector, length, and jacket material.

Price Ranges and Factors

The cost of a fiber optic patch cord varies widely based on several factors:

- o Fiber Type: Single-mode (OS1/OS2) cords are generally more expensive than multimode (OM3/OM4/OM5) due to higher precision requirements and lower attenuation .
- o Connector Type: LC, SC, ST, MPO, and MTP connectors influence cost. MPO/MTP connectors, especially for 12F/24F cores, require precise alignment and polishing, increasing price .
- o Length: Prices increase linearly with length, but the type of outer jacket (PVC, LSZH, armored) can significantly affect cost .
- o Jacket Material: LSZH (Low Smoke Zero Halogen) and armored cables are more expensive than standard PVC due to safety and durability features .
- o Testing and Certification: Cords with IL/RL test reports, 3D interferometer measurements, and end-face inspection results command higher prices .

Typical Costs

- o Short, standard LC-LC multimode patch cord (1-3 meters): \$5-\$15 per unit .
- o Single-mode LC-LC patch cord (3 meters): \$10-\$25 per unit .
- o Armored or LSZH cords: \$20-\$50 per unit depending on length and specifications .
- o Bulk or OEM orders: Setup costs for custom logos or labels may range \$30-\$100, but per-unit cost decreases significantly with volume .

Regional Considerations

- o U.S.: UL-listed or ETL-verified cords are common; strict plenum or riser fire ratings may increase cost .
- o Europe: LSZH jackets are standard; armored cords are used for underfloor installations .
- o Middle East: Flame-retardant jackets and PE-sheathed armored cords are preferred for indoor/outdoor applications .

Buying Tips

- o Evaluate total cost of ownership, not just unit price, considering durability, testing, and supplier reliability .



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- o Request samples and technical datasheets before bulk orders to ensure performance .
 - o Choose the appropriate fiber type and jacket based on your network environment and safety requirements .
- Online retailers like Amazon, UnitekFiber, and FS.com offer a wide range of patch cords with varying specifications and prices, making it easier to compare options .

Patch Cord Fibre Optic Cable Assemblies are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for

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Manufacturer of Patch Cord - Fiber Optic Patch Cord, OFC Patch Cord, CAT 6 Patch Chord and Single

PHXFIBER provides different modes of fiber cable patch cord, such as multimode patch cord, single-mode fiber patch cord. The fiber

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