A comprehensive price list for optical fiber cable fittings

Overview

Discover the cost of fiber optic cable in this pricing guide. Learn material prices, installation factors, and what impacts total project costs overall.

Key Takeaways

Fiber optic cable fittings, including connectors and adapters, typically range from $0. 50 to $70 per unit depending on type, strand count, and installation complexity.

Typical Prices for Fiber Optic Fittings

Basic Connectors (SC, LC, ST): $0. 50–$25 per connector depending on type and strand count, with pre-terminated assemblies costing more for factory termination. Patch Cables: $1–$50 per cable depending on length, fiber type (single-mode vs multimode), and connector type.

Adapters and Couplers: $1–$15 each, varying by connector compatibility and precision requirements. Armored or Specialty Connectors: $10–$70 per unit for ruggedized or high-precision connectors used in outdoor or industrial environments.

Factors Affecting Prices

Fiber Type and Strand Count: Single-mode connectors are generally cheaper ($0. 10–$0. 50 per foot for cable), while multimode or higher strand counts increase costs ($0.

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30–$1. 00 per foot for cable),. Connector Type: SC, LC, ST, MPO, and MTP connectors vary in price, with MPO/MTP typically at the higher end due to multi-fiber alignment requirements.

Installation Complexity: Pre-terminated connectors, fusion splicing, and high-precision terminations increase costs. Labor and testing can add $85–$1,870 per installation segment depending on length and environment. Environmental Requirements: Indoor riser-rated connectors are cheaper, while plenum-rated or armored connectors for outdoor use cost more.

Example Cost Estimates

Indoor Single-

Mode Run (500 meters): Cable $0. 50/m, connectors $15 each, labor $85/hr; total ≈ $370, per-meter average $1. 85.

Outdoor Mixed Run (1,500 meters, armored fiber): Cable $2. 50/m, connectors $70 each, labor $1,870, trenching/testing/warranty $5,000; total ≈ $11,830, per-meter average $7. 89.

These ranges provide a practical guide for budgeting fiber optic cable fittings, with prices varying by connector type, fiber count, and installation complexity. For precise procurement, checking supplier catalogs like DigiKey or local distributors is recommended.

Article Content

Cost of Fiber Optic Cable: Pricing Guide (2026)

Discover the cost of fiber optic cable in this pricing guide. Learn material prices, installation factors, and what impacts total project costs overall.

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Fiber Optic Cable Fittings

Fiber Optic Cable Fittings Fiber optic cable fittings is used to link a overhead fiber drop cable to a optical devices or a house suitable for both indoor and outdoor installation. Tuolima has many types of drop

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Fiber Optic Fittings

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