

Price of fiber optic cable with wire



Overview

Buyers typically pay a range for fiber optic cable per foot depending on fiber type, jacket, and shielding, plus installation considerations.

Key Takeaways

Fiber optic cable prices range from \$0.10 to \$5 per foot for materials, with fully installed costs between \$1 and \$16 per foot depending on type, strand count, and installation complexity. Material Costs

Single-mode fiber (OS2, 2-12 strands): \$0.30-\$0.75 per foot for outdoor gel-filled or standard indoor cable, with higher counts or armored versions reaching \$1-\$4 per foot. Multimode fiber (OM3/OM4, 2-12 strands): \$0.55-\$1.10 per foot for indoor/riser-rated cable; high-count or armored cables can cost \$2-\$5 per foot. Armored outdoor fiber: \$1.10-\$2.40 per foot for 6-12 strands, suitable for direct burial or harsh environments. Ribbon fiber (144+ strands): \$2.20-\$5.50 per foot, typically used for high-density data center backbones. Bulk purchases often reduce per-foot costs by 20-40%, and pre-terminated cables add 20-30% to material costs but save on labor.

Installation Costs

Indoor plenum or riser-rated runs: \$2.30-\$4.90 per foot, including splicing, termination, and basic testing.



Outdoor directional boring or trenching: \$3–\$7 per foot for moderate runs; complex urban installations can reach \$8–\$16 per foot. Labor: Specialized fiber installation labor typically costs \$50–\$150 per hour, often representing 60–80% of total project cost.

Real-

World Examples

Residential 500 ft run, OM3 multimode: Cable \$0. 60/ft → \$300; labor \$1. 50–\$3.

50/ft → \$750–\$1,750; total \$1,050–\$2,050. Commercial 1,000 ft, 12-strand single-mode OS2: Cable \$0. 70/ft → \$700; installation \$2–\$3.

50/ft → \$2,000–\$3,500; total \$2,700–\$4,200. High-density data center, 1,500 m armored ribbon fiber: Cable \$2. 50/m → \$3,750; labor, splicing, testing, permits → \$8,000+; total ~\$11,800.

Factors Affecting Price

Fiber type and strand count: Single-mode is cheaper per foot but requires precise splicing; multimode OM4/OM5 is more expensive but supports higher speeds over shorter distances. Jacket and armor: LSZH, plenum, or armored jackets increase cost but improve safety and durability. Installation environment: Underground, aerial, or indoor plenum runs have different labor and equipment requirements.

Connectors and pre-termination: Factory-terminated cables reduce field labor but increase material cost. Bulk purchasing and supplier: Buying reels of 1,000–10,000 ft directly from manufacturers lowers unit cost compared to retail. In summary, fiber optic cable with wire costs vary widely depending on type, strand count, jacket, and installation method.

For a standard indoor/outdoor project, expect \$0. 10–\$5 per foot for materials and \$1–\$16 per foot fully installed, with bulk orders and pre-terminated assemblies offering cost savings.

Article Content

Wire & Cable Prices

CRU provides comprehensive, accurate and up-to-date price assessments and research reports for bare optical fibre across various key regional markets, combined with insights into the

Fiber Optic Cable Price Per Foot Guide 2026

Buyers typically pay a range for fiber optic cable per foot depending on fiber type, jacket, and shielding, plus installation considerations. This guide outlines typical cost ranges and the main

Ex Factory Price Of Optical Cable Hardware Buyers & Importers ...

Sell Ex Factory Price Of Optical Cable Hardware in bulk to verified buyers and importers. Connect with businesses actively looking to buy wholesale Ex Factory Price Of Optical Cable Hardware at best

Online Bulk Cable Company | CableWholesale

As a premier online bulk cable company, CableWholesale carries a large inventory of computer cables, USB, HDMI, fiber optic, VGA cables, and more. Shop now!

Price Of Italian Vibration Optical Cable Buyers & Importers ...

Sell Price Of Italian Vibration Optical Cable in bulk to verified buyers and importers. Connect with businesses actively looking to buy wholesale Price Of Italian Vibration Optical Cable at best prices.

Fiber Optic Cable Supply | Buy Fiber Optic Products from The Most ...

Shop for fiber optic cables at Cables Plus USA, leader in fiber optic products supply offering high-quality products at the best value through our fiber optic cable wholesale. Buy and save big on bulk orders.

Yemen Fiber Optic Cable Channel Price Buyers & Importers ...

Sell Yemen Fiber Optic Cable Channel Price in bulk to verified buyers and importers. Connect with businesses actively looking to buy wholesale Yemen Fiber Optic Cable Channel Price at best prices.

Fiber Optic Cables | Fiber Patch Cables | Patch Cords, Duplex

Fiber Patch Cables, Multimode & Singlemode Duplex Fiber Optic Cables, Secure Order Fiber Patch Cords, Preferred Mil. Edu. Gov. Pricing, Same Day Shipping From CA USA, Verified Reviews

Fiber Optic Patch Cable, LC to LC, Single Mode 9/125, Duplex

Get LC to LC Fiber Optic Patch Cable, Single Mode 9/125 duplex. High-speed snap-in LC connectors provide reliable, high-density fiber connections for networks.

Armored Cable Guide: Types, Applications & Safety

For example, armored electrical cable is widely used in factories where machinery vibration or mechanical contact can damage traditional cables.

Quality Bulk Multimode & Single Mode Fiber Optic Cables

Buy fiber optic single and multimode cable at Cables Plus. High quality, low prices, fast shipping. Shop our wide selection for all your cable needs.

Primus Cable | Home Page

Primus Cable Is Your One-Stop-Shop For Low Voltage Cable And Accessories. We Offer End-To-End Solutions And Unbeatable Prices On Premium Networking Cable, Connectors, Panels, And More!

12 Core polywire Fiber Optic Cable at best price in ...

Get 12 Core polywire Fiber Optic Cable in Amritsar, Punjab at best price by Sharma Entertainment. Also find Fiber Optic Cable price list from verified suppliers with contact number | ID: 23826192812

Price Of Somali Fiber Optic Junction Boxes Buyers & Importers ...

Sell Price Of Somali Fiber Optic Junction Boxes in bulk to verified buyers and importers. Connect with businesses actively looking to buy wholesale Price Of Somali Fiber Optic Junction Boxes at best prices.

Fiber Optic Cable Supplier, Distributor

Stocking distributor of fiber optic installation tools, bulk fiber cables, fiber patch cables, test equipment, cable management, fiber optic training and more.

Wire & Cable Market Trends 2026 | CRU Outlook

An in-depth outlook on the wire and cable industry in 2026, analyzing key trends across metallic cables, optical fiber, data centers and trade flows.

Fiber Optic Cable Manufacturer & Supplier In China | ZTO Cable

ZTO Fiber Optic Cable Company is a national high-tech enterprise specializing in the research and development, production and sales of various optical fibers, optical cables, passive

Fiber Optic Cable Cost Guide 2026 - LatestCost - Real-Time Price

Main cost drivers include cable grade (indoor vs outdoor, armoured), distance, and labor for trenching, splicing, and termination. This guide presents ranges in USD and practical price

Contact Us

Continue your research online:

Website: <https://cgweb.co.za>

Technical inquiry: <https://cgweb.co.za/project-enquiry.html>

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

