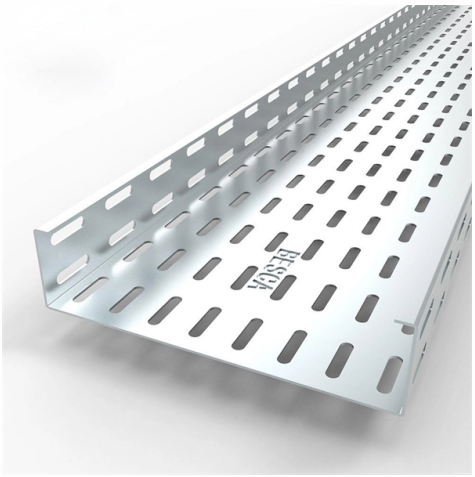
Price of 20-meter fiber optic cable



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

The cost of a 20-meter fiber optic cable ranges from approximately $5 to $130 depending on fiber type, strand count, jacket, and whether it is pre-terminated or armored. Estimated Prices by Fiber Type and ConfigurationSingle-mode (OS2) 20m: $5–$26 for standard indoor patch cables; higher-end pre-terminated or armored versions can reach $60–$110. Multimode OM3/OM4 20m: $25–$130 depending on strand count, jacket type, and whether it is indoor, outdoor, or armored.

Armored or outdoor-rated cables: $35–$130 for 20 meters, offering protection against harsh environments and direct burial. Pre-terminated “plug & play” cables: Typically 20–30% more expensive than bulk cables due to factory termination, but reduce on-site labor costs.

Factors Affecting Price

Fiber Type: Single-mode is generally cheaper per meter than multimode for short runs, but multimode may be preferred for high-speed LANs. Strand Count: 2-strand cables are less expensive than 12- or 24-strand cables; higher strand counts increase cost proportionally. Jacket and Rating: Indoor plenum-rated cables cost less than LSZH or armored outdoor cables.

Installation: Material-only costs are lower ($0. 09–$1. 52 per foot wholesale), while fully installed cables can cost $1–$7 per foot depending on labor, splicing, and trenching.

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Bulk vs Retail: Buying in bulk (e.g., reels of 1,000 ft or more) can reduce per-meter cost by 20–40%. Example Retail Options for 20 MetersBlack Box 20m Multimode LC-LC patch cable: $129. 99.

C2

G 20ft (≈6m) Singlemode LC-LC patch cable: $26. 99; extrapolated to 20m may cost $80–$90 for similar quality and strand count. Standard OM4 20m indoor patch cable: $35–$50 depending on manufacturer and jacket type.

Practical Tips

For short runs like 20 meters, pre-terminated patch cables are often more cost-effective than bulk cable plus on-site termination due to labor savings. Choose the fiber type and strand count based on your network requirements to avoid overpaying for unnecessary capacity. Consider indoor vs outdoor rating depending on installation environment; armored or gel-filled cables are more expensive but necessary for harsh conditions.

In summary, a 20-meter fiber optic cable can cost anywhere from $5 for basic single-mode indoor cables to $130 for high-performance multimode or armored outdoor cables, with pre-terminated options adding a premium but reducing installation complexity.

Article Content

Cost of Fiber Optic Cable: Pricing Guide (2026)

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Cisco 10GBASE SFP+ Modules Data Sheet

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The FOA Reference For Fiber Optics

Underground Cables Digging trenches to bury fiber optic duct and pulling cables into duct Underground cables are pulled in conduit that is buried underground, usually 3-4 feet (1-1.2 meters) deep to

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Summary description: The ACT 20 meter LSZH Multimode 62.5/125 OM1 fiber patch cable features ST connectors for reliable full duplex communication. This cable is designed for high-speed data

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VisiFault Visual Fault Locator

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VisiFault Visual Fault Locator is a fiber optic visual fault locator by Fluke Networks that locates, verifies continuity, polarity of many near-end fiber faults with speed.

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

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