How much does a 2-core indoor optical cable cost



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

Customized 2-core indoor optical cables typically range from $0. 13 to $6 per foot, with pre-terminated or specialized configurations costing more.

General Pricing Overview

Bulk 2-core fiber optic cables: For standard indoor applications, prices range from $0. 13 to $1. 00 per foot, depending on fiber type (single-mode or multimode) and jacket construction.

Retail or pre-terminated cables: Pre-terminated assemblies with connectors such as LC, SC, or ST can cost $5 to $14 per cable, depending on length and indoor rating. High-quality, CE-certified LSZH jacket cables suitable for FTTH networks are available at competitive wholesale prices, often slightly higher than bulk cable due to certification and low-smoke zero-halogen materials.

Factors Affecting Price

Fiber Type: Single-mode (OS2) fibers are generally less expensive per foot than multimode (OM3/OM4) fibers for short indoor runs. Jacket Type and Rating: Riser-rated (OFCR) cables are suitable for vertical indoor runs and are moderately priced. Plenum-rated (OFNP/OFNR) cables, required for air-handling spaces, cost more due to fire safety standards.

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Connector Configuration: LC, SC, ST, FC, MTP, APC, and UPC options influence cost, especially for pre-terminated cables. Cable Length and Customization: Longer or fully customized cables (specific fiber count, jacket type, and connectors) increase the price. For example, a 150m customized indoor tight-buffered 2-core cable can cost around $1,799, reflecting full customization and high-quality materials.

Armored vs Non-Armored: Armored cables for harsh indoor environments are more expensive, typically $5–$14 per cable for short runs.

Purchasing Options

Custom Cable Configurators allow buyers to select fiber count, jacket type, connector type, and length, providing a tailored solution for indoor installations. Pre-terminated patch cables are convenient for immediate deployment and reduce installation time, though they carry a higher per-unit cost. In summary, standard 2-core indoor optical cables start at around $0.

13 per foot, while fully customized, pre-terminated, or armored versions can range from $5 to $14 per cable depending on length, fiber type, and indoor rating. For precise pricing, using a custom cable configurator or consulting suppliers like FS or Alibaba 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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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

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One of the most obvious price drivers is fiber count. A 2-core cable is much cheaper than a 24-core or 96-core cable. Similarly, different construction types—loose tube, tight-buffered, armored,

How Much Does Fiber Optic Cable Cost?

Knowing how much fiber optic cable costs, which factors can impact cost, and key cost considerations can help you avoid unnecessary expense and

Fiber Optic Cable Cost: Here''s What You Should Know

Comprehensive guide to fiber optic cable cost, including material pricing, installation rates, and total project budgets. Discover them with breakdowns.

CableWholesale 12-Strand Fiber Optic Cable, Indoor/Outdoor

High Quality Fiber Optic: Composed of 12 strands singlemode fibers (9 micron core), wrapped inside Water-Proof Aramid Yarn and Black PVC outer jacket, the cable is prevented from external damages and last for decades.

48 Strand Indoor/Outdoor Plenum sm MicroArmor Fiber Optic Cable

Although this option is priced higher than standard indoor distribution cable, it outweighs its overall price when compared the cost of purchasing innerduct/conduit, indoor fiber, and installation for both.

How Fibre Optic Communication Works – Wray Castle

Fibre optic communication is the process of sending data as pulses of light through thin strands of glass or plastic fibers. At its core, the technology converts electrical signals into light

FTTH Optical Cable Market Research Report 2034

The FTTH optical cable market was valued at $12.8 billion in 2025 and is projected to reach $26.4 billion by 2034, growing at a CAGR of 8.3%.

Fiber-optic cable

A TOSLINK optical fiber cable with a clear jacket. These cables are used mainly for digital audio connections between devices. A fiber-optic cable, also known as an

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2 Core Fiber Optic Cable Price Per Meter with OWIRE Solutions

As of the current market trends, the **2 core fiber optic cable price per meter** generally falls between $0.30 and $1.50, depending on the specifications and intended use. For basic indoor

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Website: https://kenhardtprimary.co.za
Technical inquiry: https://kenhardtprimary.co.za/project-desk.html
African project coordination: Century City, Cape Town, Western Cape, South Africa

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

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