

# Price of fiber optic cables for smart buildings in South Sudan



## Article Overview

Fiber optic cable for smart building projects typically costs between \$0.05 and \$1.50 per meter, depending on type, strand count, and environmental rating, with installation adding \$1–\$6 per foot.

### Material Costs

The unit price of fiber optic cable varies widely based on type and application:

- Indoor simplex/duplex cables: \$0.05–\$0.30 per meter
  - Single-mode outdoor cables: \$0.10–\$0.50 per meter
  - Multimode cables (OM1/OM2/OM3/OM4): \$0.10–\$0.60 per meter
  - Armored cables: \$0.30–\$1.00 per meter
  - Aerial/self-supporting cables: \$0.40–\$1.50 per meter
- Higher fiber strand counts (e.g., 12, 24, 96 cores) and specialized constructions like loose tube, tight-buffered, or armored increase costs proportionally. Indoor-rated cables are cheaper than plenum-rated or outdoor UV-resistant cables, while armored or direct-burial cables designed for harsh environments can add 20–50% to the base price .

### Installation and Labor Costs

Installation costs for smart buildings include labor, termination, and routing:

- Indoor installation: \$1–\$6 per foot, depending on complexity...

## Article Content

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South Sudan to Secure Fiber Optic Cable from Djibouti

Fiber optic cables are designed for long-distance, high-performance data networking, and telecommunications.

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CONSTRUCTIONS OF COUNTRY'S FIBER OPTIC CABLE BEGINS

Oct 08, 2025 (LUSAKA) – South Sudan is set to begin constructions and laying down its 2400 kilometers of Fiber Optics cable

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South Sudan, World Bank to launch fiber optic project in early 2026

The Government of South Sudan, in collaboration with the World Bank, will begin laying a fiber optic cable from Kenya

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Kenya and South Sudan Sign Deal for New Fiber Optic Interconnection

Before the recent deal, Kenya and South Sudan already shared a fiber-optic cable. Indeed, in October 2020, 630 km of fiber-optic

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Telecommunications in Sudan

Sudan had telecommunication services as early as 1897. All of the organizations established to deliver telecommunications services

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New Construction Fiber Optic Cabling Overview & Guide

Fiber optics are crucial in modern buildings, providing the backbone for advanced digital communications. Integrating

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Information ministry approves \$9 million for fibre optic project design

South Sudan's Ministry of Information, Communication Technology, and Postal Services has greenlit a \$9 million budget to initiate

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Fiber Optic Network Construction: Process and Build Costs

Fiber optic network construction links together digital infrastructure ensuring optical telecommunications

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South Sudan Fibre Optic Cables Market (2025-2031) | Share & Revenue

6Wresearch actively monitors the South Sudan Fibre Optic Cables Market and publishes its comprehensive annual report,

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How Much is Fiber Optic Cable? Best Costs Revealed 2024

Discover how much is fiber optic cable, explore pricing factors, installation costs, and cost-saving tips in our

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Sudan Fiber Optic Cable Market (2025-2031) | Companies & Forecast

The Sudan Fiber Optic Cable Market is projected to witness mixed growth rate patterns during 2025 to 2029. Beginning strongly at

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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

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Fiber-optic communication

Modern fiber-optic communication systems generally include optical transmitters that convert electrical

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High-Speed Fiber Optic Internet in South Sudan

Fiber Optic Connectivity with IPTEC Powering South Sudan's Digital Future At IPTEC Limited, we deliver

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South Sudan Approves \$9 Billion Fiber Network to Accelerate Digital ...

South Sudan approved more than \$9 billion to build a national fiber-optic backbone. Authorities created a supervisory committee to

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South Sudan and Djibouti ink fiber optic interconnection MoU

Since 2020, South Sudanese authorities, who are well aware that there could be no sustainable digital economy without access to

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Fast Internet Connectivity | Home | Liquid Home South Sudan

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Gov't approves \$9 million for fiber optic design

By Morris "Dogga South Sudan has taken a step towards realizing digital transformation with the Fiber Optic

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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

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List of terrestrial fibre optic cable projects in Africa

This is a list of terrestrial fibre optic cable projects in Africa. While submarine communications cables are used to connect countries

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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

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Fiber Optic Cable Pricing Guide: Factors That Affect Cost ...

This guide outlines the major factors that influence fiber optic cable costs and provides practical tips for estimating

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South Sudan Fibre Optic Cable Market (2025-2031) | Trends, Outlook ...

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Liquid Telecom completes optical fiber deployment in South Sudan ...

Optical fiber Internet provider Liquid Telecom officially launched its broadband service in Juba, South Sudan, on February 20. The

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Construction materials Bulk Supplier in South Sudan

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