

Price of 120km optical cable



Article Overview

The cost of a 120km single-mode optical fiber cable can range from approximately \$120,000 to \$360,000 for the cable alone, with installation costs potentially adding \$1.2 million to \$3.6 million depending on terrain and method.

Cable Cost Breakdown

The price of fiber optic cable depends on several factors, including type, protection, and installation environment. For single-mode fiber, which is suitable for long-distance transmission like 120km, the raw cable cost typically ranges from \$1,000 to \$3,000 per kilometer . For 120km, this translates to \$120,000 to \$360,000 for the cable itself. Multi-mode fiber is cheaper but not suitable for such long distances due to higher signal attenuation . Additional factors affecting cost include:

- Armored vs non-armored cables: Armored cables are more expensive due to extra protection against environmental damage .
- Aerial vs underground installation: Underground installation requires trenching and can significantly increase costs, while aerial installation is cheaper but more exposed to environmental risks .
- Geographical and logistical considerations: Remote or difficult terrain can increase installation costs . Installation costs can range from \$10,000 to \$30,000 per kilometer, meaning total deployment for 120km could reach \$1.2 million to \$3.6 million . Bulk procurement and using existing infrastructure can reduce costs.

120km Optical Modules...

Article Content

12 Core GYTS Optical Fiber 1 Km Fiber Optic Cable Price

Product Description Duct/UnderType 48 Core g652d Fiber Optic Cable GYTS is used for duct or aerial

Wholesale fiber optic cable price and 4 way to save cost

Wholesale Fiber optic cable price can be vary from \$0.3 to \$4 per meter. It depends on the cable application and specification. Get a

SFP DWDM, 1.25Gbps, SMF, 120KM

All our SFP DWDM, 1.25Gbps, SMF, 120KM fiber optic transceiver modules come with an industry leading Lifetime warranty. Every

How Much is the Cost of Fiber Optic Cable?

Understanding the cost of fiber optic cables is crucial for businesses and individuals looking

Bulk Fiber Optic Cables for Internet | CableWholesale

Fiber optic cables are one of the most popular types of long-distance networking cable, making them ideal for a variety of

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

Fibre Optic Cable | Fibre Cable | RS

Fibre optic cable, also known as "optical fibre cable" is a technology that uses thin strands of glass or plastic to transmit data,

How much does fiber optics cost per km?

The cost of fiber optic cable per kilometer can vary significantly based on a variety of factors, including the

Fiber Optic Cables | Cable Assemblies | DigiKey

Shop DigiKey's large in-stock selection of Fiber Optic Cables. View inventory, pricing and order now for

How Much Do Single-Mode Fiber Optic Cables Cost?

The cost of single-mode fiber optic cables is influenced by factors such as construction type 7, application, and

Fiber Optic Cables | Fiber Patch Cables | Patch Cords,

Fiber Patch Cables, Multimode & Singlemode Duplex Fiber Optic Cables, Secure Order Fiber Patch Cords,

Fiber Optic Cable | Farnell® Germany

Buy Fiber Optic Cable. Farnell® Germany offers fast quotes, same day dispatch, fast delivery, wide inventory, datasheets & technical

How Much Does Fiber Optic Cable Cost?

Pricing by Length and Fiber Count The total length of fiber optic cable needed directly drives

120km SFP Sourcing: Critical Factors for Long-Haul Fiber

Pricing for 120km SFP modules varies widely depending on technical specifications and brand positioning. Understanding what

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

Buyers typically pay for fiber optic cable by length, fiber type, and installation complexity. Main cost drivers include

10G Base ZR+ SFP+ 120km | 1550nm | 28dB Link Budget

Compatible 10G Base ZR+ SFP+ for 120km SMF. 28dB budget, 2400ps/nm tolerance, 1550nm. Works with 80+ brands.

2.5G STM-16/OC48 120km DWDM SFP Transceiver Module

The 2.5Gbps DWDM SFP module provides high capacity, high bandwidth communication solutions for multiplexed optical networks.

FTTH Fiber Optical Cable 1km Price

Find reliable fiber optical cable 1km price for your FTTH needs. Shop high-quality, durable cables from trusted suppliers. Perfect for

Fiber Optic Cable Speeds: Everything You Need to Know

Discover how fiber optic cable speeds can revolutionize your internet experience. Explore the future of connectivity

120km SFP Sourcing: Critical Factors for Long-Haul Fiber

A 120km SFP is a high-performance optical transceiver designed to transmit and receive data over single-mode fiber across

1.25Gbps CWDM SFP Optical Transceiver 120km

SFP transceivers are high-performance, cost-effective modules that support data rates of up to 1.25Gbps and a

Fiber Optic Cable Price Per Meter

Discover fiber optic cable price per meter with CE-certified, armored outdoor solutions for reliable, high-speed fiber optic

SFP-GE-LH120-SM 1550 1.25G 120km Optical Transceiver

Although the optical module is a mature optical communication device, most manufacturers' products are stable and reliable.

10g 120km sfp

Buy 10g 120km SFP modules at nearly \$3 each, start with a minimum order of 1 unit. Low-price, OEM-compatible,

Wire & Cable Prices

CRU provides comprehensive, accurate and up-to-date price assessments and research reports for bare optical fibre

12 Core Indoor Fiber Optic Cable

Weichuang Optics offers high-quality and low price 12 Core Indoor Fiber Optic Cable for indoor

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.thebucketlistbook.co.za>

Email: sales@thebucketlistbook.co.za

Phone: +33 1 42 78 39 16

Address: 10 Rue de la Paix, 75002 Paris, France

This document is for informational purposes only. Specifications subject to change without notice.

