8 Price of Outdoor Single-Mode Fiber Optic Cable

Overview

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

Key Takeaways

An 8-core outdoor single-mode fiber optic cable typically costs between $0. 50 and $3. 00 per foot, depending on construction, armor, and environmental rating.

Pricing Overview

The cost of single-mode fiber optic cables varies based on fiber count, construction type, and environmental suitability. For an 8-core outdoor cable: Standard single-mode cable: $0. 10 to $0.

50 per foot for the cable itself, with higher counts or specialized construction increasing the price proportionally. Armored or self-supporting outdoor cables: $0. 50 to $3.

00 per foot, reflecting additional protection against moisture, crush, and UV exposure. Bulk purchases: Prices may be lower per foot ($2. 00–$7.

00 per foot for bulk single-mode cables), while pre-terminated or factory-assembled cables cost more. Example: 8-Core GYTC8S Figure-8 CableThe 8-core GYTC8S figure-8 cable is a typical self-supporting outdoor single-mode cable with loose-tube construction, steel-wire strength members, and a PE sheath for aerial or duct installation. Its design provides moisture resistance, crush resistance, and tensile strength, making it suitable for harsh outdoor environments.

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Pricing for this type of cable generally falls within the $0. 50–$3. 00 per foot range, depending on supplier and order quantity.

Factors Affecting Cost

Cable Construction: Armored, self-supporting, or direct-burial cables cost more than standard outdoor cables. Environmental Rating: UV-resistant PE jackets and water-blocking materials increase durability and price. Installation Method: Aerial, duct, or underground installation may influence the total project cost, though material cost per foot remains similar.

Bulk vs. Retail: Wholesale bulk purchases reduce per-foot cost, while pre-terminated assemblies or retail purchases are more expensive.

Summary

For an 8-core outdoor single-mode fiber optic cable, expect a material cost of approximately $0. 50 to $3. 00 per foot, with armored or self-supporting designs at the higher end.

Bulk orders can reduce costs, while pre-terminated or specialized cables may exceed this range. Always consider environmental and installation requirements when budgeting for outdoor fiber deployments.

Article Content

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

Fiber Optic Cable Cost Per Foot: Price Range 2026

The main cost drivers include cable type (single-mode vs multimode), whether the run is indoors or outdoors, trenching or direct burial requirements, and labor time. The following sections

Cost of Fiber Optic Cable: Pricing Guide (2026)

Key Takeaways Fiber-optic cable materials typically cost $1 to $6 per linear foot, depending on fiber count and cable type. Commercial building

Cost of Fiber Optic Cable Per Foot – 2026 US Installation Guide

Updated 2026 cost of fiber optic cable per foot. Get material + installation prices, per-foot breakdown for singlemode/multimode, and expert tips to save on your project.

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Necero Outdoor ADSS Single Mode Communication Fiber Optic Cable Price ...

Key attributes Brand Name Necero Model Number Adss Type Outdoor Fiber Optic Cable Place of Origin Guangdong, China Number of Conductors ≥ 10 Product name ADSS-PE outdoor fiber optical cable

Corning FREEDM One, 6 Strand, Indoor/Outdoor, Singlemode, Plenum, Fiber ...

Corning FREEDM One, 6 Strand, Indoor/Outdoor, Singlemode, Plenum, Fiber Optic Cable, (OS2) General Description Corning Cable Systems FREEDM® One Cables are flame -retardant, UV

Quality Bulk Multimode & Single Mode Fiber Optic Cables

Bulk Fiber Optic Cable - Multimode & Singlemode Shop our diverse range of bulk fiber optic cables, tailored for various networking needs. We provide both single

Fiber Optic Cable: Single & Multimode Cables By The

Fiber Optic Cable by the Foot We offer fiber optic cable by the foot in a variety of fiber types and strand counts to meet your network installation needs. Whether

TLC Indoor/Outdoor Fiber Optic Cable with Aluminum Interlocking

This cable utilizes Corning SMF-28 Ultra singlemode fiber and is designed with a plenum-rated jacket suitable for both indoor and outdoor environments. Key Features Aluminum Interlocking Armor:

Single Mode Fiber: Types and Applications

Single mode fiber (SMF) is a type of fiber optic cable that only allows one light mode to transmit at a time. Generally, single mode cable has a narrow core diameter of 8 to 10µm

Armored Fiber Optic Cables

Armored Fiber Optic Cables add an extra level of security to your installation when rodents, moisture, and other common threats to your network are a concern. A

Single Mode vs. Multimode Fiber Optic Cables

There are two main types of fiber optic cables: single mode and multimode. Although they can do the same job in some instances, the different

96 Core Fiber Optic Cable Price List

Discover 96 core fiber optic cable price list with G652D single mode, PE sheath, and CE/ISO9001 certification for aerial, outdoor telecom applications.

GYXTW Fiber Optic Cable (Aerial and Duct) Prices

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Unitube Light Armored GYXTW is an outdoor use optical fiber cable suitable for duct and aerial applications. We supply GYXTW from 2 fiber cores to 24 fiber cores. Both single mode type and

Used 200M Outdoor Armored OS2 Singlemode Fiber Optic Cable,

Wide Compatibility: This OS2 SCA to SCA single-mode armored fiber optic cable is Compatible with all standard fibre optic equipment and connectors, suitable for telecommunications networks, data

TLC Indoor/Outdoor Fiber Optic Cable, 12 Fiber, Singlemode

Overview The TLC Indoor/Outdoor Fiber Optic Cable is a robust, central tube cable designed for versatile deployment across both indoor and outdoor environments. Featuring 12 fibers of Corning®

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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!

TLC Indoor/Outdoor Fiber Optic Cable, 24 Fiber, Singlemode

Overview The TLC Indoor/Outdoor Central Tube Cable is designed for versatile deployment in both internal and external environments. This 24-fiber, singlemode 9/125um cable utilizes a gel-free, water

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

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