How much does a 48-core indoor optical cable cost



Overview

48 Strand Indoor/Outdoor Plenum sm MicroArmor Fiber Although this option is priced higher than standard indoor distribution cable, it outweighs its overall.

Key Takeaways

A 48-core indoor optical fiber cable typically costs between $0. 50 and $6 per foot, depending on fiber type, construction, and vendor.

Pricing Overview

The cost of a 48-core fiber optic cable varies based on several factors: Fiber Type: Multimode fibers (OM3/OM4) are commonly used for indoor applications and short-range data center runs, while single-mode fibers (OS2) are slightly cheaper per foot but require more expensive equipment. Cable Construction: Indoor riser-rated cables (OFNR) are less expensive than plenum-rated cables (OFNP) designed for air-handling spaces. Armored cables or those with special jackets for harsh environments increase the cost.

Length: Bulk purchases reduce per-foot cost. For example, a 500-foot drum of 48-core OM3 multimode indoor/outdoor cable is available from vendors like Amazon, typically priced in the $1–$3 per foot range.

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Example Costs

Retail Bulk Cable: Fiber optic materials alone range from $1 to $6 per foot for high-count cables like 48-core. Wholesale or Bulk Orders: Prices can drop to $0. 50–$1.

50 per foot depending on the supplier and specifications. Pre-terminated Assemblies: Factory-terminated cables with connectors cost more due to labor and precision, often exceeding $6 per foot for 48-core configurations.

Additional Considerations

Indoor vs.

Indoor/

Outdoor: Indoor-only cables are cheaper, but indoor/outdoor rated cables (like the Corning Clear Curve OM3 48-fiber) provide flexibility for riser applications and short outdoor runs. Installation Costs: Material costs do not include labor, which can significantly increase total project expenses if professional installation is required. Vendor Quotes: Prices vary by manufacturer.

Companies like Huadong Cable Group and Mouser Electronics provide custom quotes for 48-core cables, which can be requested via email or online ordering. In summary, for a 48-core indoor optical cable, expect to pay roughly $0. 50 to $6 per foot, with the exact price depending on fiber type, jacket rating, and whether the cable is pre-terminated or purchased in bulk.

For a 500-foot run, this translates to approximately $250 to $3,000 for the cable alone.

Article Content

48 Strand Indoor/Outdoor Plenum sm MicroArmor Fiber

Although this option is priced higher than standard indoor distribution cable, it outweighs its overall price when compared the cost of purchasing

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.

48 Strand Fiber Count, Indoor/Outdoor Dry Loose Tube, Fiber Optic

Learn everything you want to know about this product to make an informed purchase. Prysmian''s indoor-outdoor dry loose tube riser or plenum designs provide flame-rated network solutions for a diverse

OPGW 48-Core Cable Price Guide: How to Evaluate & Choose

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A practical, no-fluff guide to evaluating 48-core OPGW cable pricing, specs, and real-world suitability—based on current supplier data, installation realities, and project-scale trade-offs.

48-Strand Indoor/Outdoor Corning OM3 Fiber, 10Gbit 2000ft

Buy 2000 foot Black 48 Fiber Indoor/Outdoor Multimode Fiber Optic Cable by the Drum (50/125, Corning ClearCurve® OM3, 10 Gbit, Riser Rated) at CableWholesale.

How Much Does Fiber Optic Cable Cost? 2025 Factory Price Guide

Searching for how much does fiber optic cable costs? Stop guessing. We break down 2025 prices for OS2, OM3, and Armored cables directly from the Wolontek factory floor.

24 Core and 48 Core Fiber Optic Cable

Fiber optic cable is a cable containing one or multiple optical fibers that are used to transmit the signal. The optical fiber elements are typically individually coated with layers and contained in a protective

Plenum 48-Strand Fiber Optic Cable

This is a black 500 foot spool of indoor/outdoor plenum rated fiber optic distribution cable intended for long distance runs at high speeds. It is composed of 48 multimode fibers (50 micron core) inside a

48 Fiber Optic Strand Indoor/Outdoor Singlemode Dry Loose Tube Cable

These cables combine flexible dry buffer tubes and swellable water blocking materials with Prysmian''s extensive portfolio of single-mode and multimode optical fibers.

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48 Core Fiber Optic Cable GYTY53 Outdoor Armored

Description of 48 Core GYTY53 fiber optic cable Fiber optic cable GYTY53, 2~144 fibers, central strength member (steel), jelly filled, fiber contained loose tube and

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what does fiber optic cable look like: 7 Powerful Facts 2025

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Discover what does fiber optic cable look like with photos, color codes, and expert tips for easy identification and safe handling.

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Fiber Optic Cable Pricing Guide: Factors That Affect

A 2-core cable is much cheaper than a 24-core or 96-core cable. Similarly, different construction types—loose tube, tight-buffered, armored, or

48 Fiber Indoor/Outdoor Fiber Optic Cable, Multimode

About this item This is a black 500 foot drum of indoor/outdoor rated fiber optic distribution cable intended for large installations of short range runs at 10 Gigabit

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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 installation considerations. This guide outlines typical cost ranges and the main

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