

RIVO MULTITRADE OPTICAL SYSTEMS

How much does a 24-core fiber optic spool cost



Overview

Fiber optic splicing costs vary widely depending on project size, location, fiber type, and site conditions.

Key Takeaways

A 24-core fiber optic cable typically costs between \$0.50 and \$2.00 per meter, depending on type, armoring, and features.

The cost of a 24-core fiber optic spool varies based on several factors:

- Standard single-mode loose tube cables generally range from \$0.50 to \$1.50 per meter for typical applications, such as indoor or outdoor installations .
- Premium cables with features like flame-retardant jackets, rodent resistance, UV protection, or armored construction can exceed \$2.00 per meter .
- Retail pricing may range from \$1 to \$6 per foot depending on fiber count, cable type, and whether the cable is pre-terminated or requires factory assembly .

Example Costs by Installation Type

- Indoor, short runs (1,000 ft): Cable alone may cost around \$0.40 per foot, with total project costs including labor and accessories reaching \$2,650–\$3,100 .
- Outdoor, medium runs (2,000 ft) with conduit: Cable cost around \$0.70 per foot, total project cost \$4,940–\$6,120 .

- Premium outdoor, long runs (5,000 ft) with armored cable and multiple splices: Cable cost \$1.00 per foot, total project cost \$11,000-\$14,500 .

Factors Affecting Price

- Cable Type: Single-mode (OS1/OS2) is generally cheaper than multimode (OM3/OM4).
- Armoring: Armored cables for harsh environments cost more than non-armored versions .
- Length and Bulk: Longer spools and bulk purchases often receive volume discounts .
- Installation Complexity: Costs increase with trenching, splicing, and termination requirements .
- Environmental Ratings: Flame-retardant, UV-resistant, or rodent-resistant jackets add to the price .

Summary

For a 24-core fiber optic spool, expect a base material cost of \$0.50-\$2.00 per meter for standard to premium cables. Total project costs, including installation, labor, and accessories, can range from a few thousand dollars for short indoor runs to over \$14,000 for long, armored outdoor installations . Choosing the right cable depends on your application, environmental conditions, and budget.

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

Commscope, 24 Fiber OS2, Loose Tube | Wire & Cable Your Way

Commscope D-024-LN-8W-F12NS, 24 Fiber, OS2, All-Dielectric, Gel-Free, Outdoor Loose Tube SKU D-024-LN-8W-F12NS \$ 0.88 /ft

Fiber Optic Cable Cost Guide 2026

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

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

Armored Bulk Fiber Spools

Armored Bulk Fiber Spools in Single-mode and Multimode. In lengths up to 1000m, in a SteelPatch armored protective jacket with

How Much Does Fiber Optic Cable Installation Cost?

How Much Does Fiber Optic Cable Installation Cost? The price of fiber cable depends on the number of strands, jacket

Fibre Cable Price Breakdown – Cost Per Metre & Installation

Discover the fibre cable price for OM3, OM4, and singlemode cables. Compare per metre costs, installation types, and real-world

24 Strand Indoor/Outdoor Fiber Optic Cable, OS2 9/125 ...

About this item This is a black 1000 foot spool of indoor/outdoor rated fiber optic distribution cable intended for long distance runs at

24 Core and 48 Core Fiber Optic Cable

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

Fiber Optic Splicing Cost Per Splice (2025 Guide)

Fiber optic splicing costs vary widely depending on project size, location, fiber type, and site conditions. For most commercial

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

