Price of 8-core optical fiber cable for aerial installation



Overview

Discover the cost of fiber optic cable in this pricing guide. Learn material prices, installation factors, and what impacts total project costs overall.

Key Takeaways

The cost of an 8-core self-supporting aerial fiber optic cable typically ranges from $3 to $7 per linear foot installed, with material costs around $0. 50 to $2 per foot depending on specifications.

Material Costs

An 8-core figure-8 fiber optic cable, designed for self-supporting aerial installation, usually features a loose tube design, water-blocking system, and a polyethylene (PE) outer sheath for durability and environmental protection. Material prices for such cables generally range from $0. 50 to $2 per foot, depending on factors like armored construction, tensile strength, and manufacturer.

Premium options with corrugated steel tape armor or enhanced crush resistance may be at the higher end of this range.

Installation Costs

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Aerial installation is significantly less expensive than underground deployment. Typical self-supporting aerial cable installation costs are $3 to $7 per linear foot, which includes labor, pole attachment hardware, and tensioning. Additional costs may arise from splice enclosures, weather-resistant hardware, or complex routing, but aerial deployment generally remains 40–60% cheaper than trenching or underground installation.

Factors Affecting Price

Cable Type: Single-mode vs. multimode fiber; single-mode is usually cheaper per foot but requires more expensive equipment. Armoring and Strength Members: Steel-wire or corrugated tape armor increases durability and cost. Route Complexity: Longer spans, multiple poles, or difficult terrain can increase labor costs.

Pre-

Termination: Factory-terminated cables or pre-connectorized assemblies cost more than bulk cable.

Summary

For budgeting purposes, expect material costs of $0. 50–$2 per foot for an 8-core aerial fiber cable and installation costs of $3–$7 per foot. Total project costs will vary based on route length, environmental conditions, and any additional hardware or splicing requirements.

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 total project costs overall.

8 Core GYTC8S Figure-8 Fiber Optic Cable Price & Datasheet

This kind of cable is specifically used for self supporting aerial installation. The mental strength member is made up of stranded wires as the supporting part are completed with a

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Fiber Optic Cable Installation Cost Guide 2026

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The FOA Reference For Fiber Optics-Installing Fiber Optic Cable

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The normal recommendation for fiber optic cable is the minimum bend radius under tension during pulling is 20 times the diameter of the cable (d). When not under tension (after installation), the

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The FOA Reference For Fiber Optics

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24 Cores GYTA53 Fiber Optic Cable Direct Buried Price & Datasheet

24 Cores GYTA53 fiber optic cable Double Armored & Double PE Sheathed is the steel tape armored outdoor fiber optic cable and gel-filled PBT loose tubes, and wrapped around a

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