Price of stripped optical fiber cable bundle



Overview

Fiber Bundles – Buyer's Guide & Supplier List | RP This buyer's guide for fiber bundles provides technical background, comparison of major types, selection.

Key Takeaways

Stripped optical fiber cables range from $0. 09 to $6. 00 per foot depending on type, strand count, and jacket, with bulk and pre-terminated options affecting final cost.

Typical Material CostsSingle-mode (OS2, 2–12 strands): $0. 09 – $0. 85 per foot for bulk purchases; retail may reach $1.

50 per foot for pre-terminated or armored versions. Multimode (OM3/OM4, 2–24 strands): $0. 55 – $1.

10 per foot for indoor/riser-rated cables; high-density or pre-terminated cables can cost $1. 50 – $6. 00 per foot.

Armored outdoor cables (6–12 strands): $1. 10 – $2. 40 per foot for material only; fully installed costs can reach $4.

20 – $7. 50 per foot. Ribbon fiber (144+ strands): $2.

20 – $5. 50 per foot for material; installation can increase cost to $8. 50 – $16.

00 per foot.

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Bulk Purchase and Reel Pricing

Buying 10,000 ft reels can reduce per-foot costs by ~20% compared to smaller quantities. Suppliers like Discount Fiber offer bulk OM1, OM2, OS1, OM3, OM4, and OS2 cables by the foot or reel, often below distributor prices.

Installation and Labor Costs

Indoor plenum or riser installations: $2. 30 – $4. 90 per foot including labor, splicing, and basic testing.

Outdoor trenching or directional boring: $3. 00 – $7. 00 per foot; complex urban installations may exceed $12 per foot.

Labor can account for 60–80% of total project cost, especially for field stripping, splicing, and termination.

Accessories and Additional Costs

Connectors, splices, and protective jackets: $0. 20 – $2. 00 per foot depending on type and fusion vs mechanical splicing.

Delivery, handling, and permits: $0. 02 – $1. 50 per foot depending on project scope and location.

Pre-terminated cables reduce on-site labor but add 20–30% to material cost.

Real-

World Examples

Basic 500 ft indoor single-mode run: Cable $0. 25/ft, labor 6 hours → total $1,000–$1,600. Mid-range 2,000 ft OM4 multimode with conduit: Cable $0.

60/ft, labor $1,800–$3,300 → total $3,000–$5,000. Premium 4,500 ft outdoor armored single-mode: Cable $0. 90/ft, labor $6,000–$12,000, permits $1,000–$3,000 → total $11,000–$22,000.

Key Factors Affecting Price

Fiber type and strand count: Single-mode is cheaper per foot than multimode for long runs; higher strand counts increase cost proportionally. Jacket and armor: LSZH, plenum, or armored jackets increase material cost. Installation complexity: Trenching, directional boring, and urban permits significantly raise total cost.

Bulk vs retail: Large reel purchases reduce per-foot cost; pre-terminated assemblies save labor but increase material cost. For stripped optical fiber cables, expect material costs from $0. 09 to $6.

00 per foot, with fully installed costs ranging from $1. 50 to $16. 00 per foot depending on type, environment, and labor requirements.

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Bulk purchases and pre-terminated options can optimize both cost and installation efficiency.

Article Content

Fiber Bundles – Buyer''s Guide & Supplier List | RP

This buyer''s guide for fiber bundles provides technical background, comparison of major types, selection criteria, and an overview of suppliers.

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

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Overview of Fiber Cables & Bundles Fiber Cables & Bundles in the light transport domain are used to route optical power or signals between sources, components, and detectors. They provide controlled

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

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