ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Latest Price of Ribbon Optical Cable



Overview

864 Count Ribbon Fiber Optic Cable For high-quality ribbon cables and expert assistance, contact American Tech Supply today. Our team is Ribbon Fiber Optic.

Key Takeaways

The average global market price for ribbon fiber optic cables is around US$23 per Fiber-Km, with wholesale and bulk prices varying based on fiber count, type, and supplier.Market Overview and Pricing

As of 2024–2025, the global average price for ribbon fiber optic cables is approximately US$23 per Fiber-Km, reflecting production costs, raw material prices, and manufacturing scale . Prices can fluctuate depending on fiber count (e.g., 12, 24, 48 fibers per ribbon), cable type (single-mode G.652.D/G.657.A1 or multimode OM3/OM4), and installation environment (indoor, outdoor, armored, or rollable ribbon designs), . High-density cables for data centers or 5G backbones may command higher prices due to advanced specifications and performance requirements .

Wholesale and Bulk Pricing



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For bulk procurement, factory OEM distributors often provide competitive pricing, especially for large-scale orders. For example, cost-sensitive FTTH deployments can see prices as low as $0.10 per meter for certain multimode ribbon cables with low minimum order quantities . Premium long-haul or high-core-count cables (e.g., 144-core OS2 or 432-core armored backbones) are priced higher due to enhanced durability, crush resistance, and certification compliance . Ordering directly from verified manufacturers or OEMs can reduce costs and allow customization to project specifications .

Factors Affecting Price
• Fiber Count and Ribbon Design: Higher fiber counts and rollable ribbon designs increase material and production costs but improve installation efficiency .

• Cable Type: Single-mode cables for long-distance transmission are generally more expensive than multimode cables for short-range applications .

• Certifications and Standards: Compliance with ISO 11801, GR-20-CORE, IEC 60794-2-21, and ITU-T standards can affect pricing .

• Regional Market Dynamics: Asia-Pacific dominates production and often offers lower prices due to large-scale manufacturing, while North America and Europe may have higher costs due to advanced network requirements and labor .

• Installation Environment: Armored or outdoor-rated cables with moisture protection or bend-insensitive fibers are priced higher than standard indoor cables .
Recommendations for Procurement
• Request quotes from multiple OEM distributors to compare bulk pricing and customization options .

• Specify fiber count, cable type, and installation environment to ensure accurate pricing.

• Consider long-term projects: Large-scale orders can leverage economies of scale and reduce per-meter costs.

• Verify certifications and performance metrics to avoid hidden costs from non-compliant cables . By considering these factors, buyers can obtain competitive pricing while ensuring high-quality ribbon optical cables suitable for data centers, 5G networks, FTTH deployments, and enterprise applications.

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Ribbon Fiber Optic Cable, 12 Strand Ribbon Fiber Optic Cable, 24

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How Much Does Fiber Optic Cable Cost?

Understand the cost of fiber optic cable, factors that impact cost, and key considerations to

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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

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The Ribbon Fiber Optic Cable Market is expected to remain moderately consolidated, with top manufacturers maintaining

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Ribbon Cable, Plenum 12 F, 50 µm multimode (OM4)

The 12-fiber ribbons have readily identifiable ribbon ID numbers and fiber colors and geometries result in excellent mass splicing

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

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U.S And Global Ribbon Fiber Optic Cable Market size is projected to reach USD 6.50 Billion by 2032, growing at a CAGR of 8.13%

Fusion Splicers | Telecommunication Systems Business Unit

Fusion splicer enable splicing of Fiber Optic Cable with low loss and high reliability. For fusion splicer, we offer two types: Core

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The 864-count ribbon fiber cable delivers massive fiber capacity, built for the largest backbone infrastructures with high-performance

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Fiber Optical Cable market size was valued at $89.16 billion in 2026, projected to reach $115.79 billion by 2030 at a 6.8% CAGR.

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Fiber Optic Connectivity

The Light Connection Ribbon Cable is composed of 2-12 fiber, aramid yarn, and a PVC outer jacket. All component materials meet

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