Price of Single-Mode Four-Core Fiber Optic Cable



Overview

Single Mode Fiber Optic Cables |Find premium single mode fiber optic cables for high-speed data transmission. 20 years of expertise and worldwide delivery.

Key Takeaways

The price of a 4-core single-mode fiber optic cable typically ranges from $0. 10 to $1. 50 per foot, depending on specifications, construction, and purchase volume.

Pricing Overview

For material costs only, single-mode fiber optic cables generally cost $0. 10 to $0. 50 per foot, with higher prices for cables with additional features such as armored protection, UV resistance, or outdoor-rated jackets.

Retail prices can range from $1 to $6 per foot, especially for pre-terminated or patch cables. Bulk purchases from manufacturers or distributors often reduce the per-foot cost by 20–40% compared to retail.

Factors Affecting Price

Cable Construction: Armored cables, plenum-rated, or outdoor-rated cables are more expensive due to enhanced durability and environmental protection. Length: Longer cable runs increase total cost, though bulk pricing per foot may decrease. Material Quality: High-quality glass fiber cores and certified jackets (PVC, LSZH, TPU) ensure better performance and longevity, affecting price.

Certifications and Standards: Compliance with ITU-T G. 652.

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D or C

E certification ensures reliable performance and may increase cost. Additional Features: UV resistance, water-proofing, bending resistance, and industrial-grade jackets add to the price.

Typical Applications

A 4-core single-mode fiber optic cable is ideal for medium-scale networks, campus backbones, ISP deployments, and long-distance connections up to 100 km. The 4-core configuration provides redundancy and scalability, allowing multiple services without laying new cables.

Example Pricing

Industrial Armored Patch Cable (5 meters): Features TPU jacket, water-proof, UV-resistant, and bending-resistant, suitable for harsh environments. Retail prices for such cables are typically higher due to specialized construction. Standard 4-Core Single-Mode Cable: Bulk indoor/outdoor cable without armor may cost around $0.

10–$0. 50 per foot depending on supplier and quantity. When purchasing, consider total cost of ownership, including installation, maintenance, and potential replacement, rather than just the upfront material cost.

High-quality cables reduce long-term costs by minimizing signal degradation and failure risk.

Article Content

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4 Core Single Mode Fiber Optic Cable Price with

In conclusion, the 4 core single mode fiber optic cable price reflects a combination of material quality, construction type, length, and brand reputation.

4 Core Fiber Optic Cable Price List with OWIRE Solutions

Looking at a typical 4 core fiber optic cable price list from OWIRE, prices start around $0.40 per meter for basic indoor distribution cables and can

4 core single mode fiber optic cable

Discover 4 core single mode fiber optic cable for reliable fiber-optic communication. Ideal for indoor/outdoor use with CE certification.

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4 core single mode fiber optic cable price

The global market for 4 core single mode fiber optic cables is projected to grow at 12.3% CAGR through 2029, driven by escalating demand for high-bandwidth applications like 5G

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Find high-quality 4 core singlemode fiber optic cables for various applications. Durable, reliable, and efficient for communications and data transfer.

TMT 4 Core FTTH Fiber Optic Cable Single Mode Indoor/Outdoor

4 core ftth cable fiber optic Single mode outdoor g657a1/a2 TMT GLOBAL provides high-strength optical fiber cables for use in various industrial, indoor, and outdoor applications.

Fiber Optic Cable Types: Single-Mode, Multimode, and

Discover fiber optic cable types, including single-mode (OS1, OS2) and multimode (OM1, OM2, OM3, OM4, OM5), indoor/outdoor variants, and how

Single Mode Fiber

Thorlabs offers these single mode fibers for operating wavelengths from 320 nm to 2200 nm. Details on the physical and optical properties of these fibers are

i-Net Networks 2000m 4-Core Singlemode Fiber Optic Cable, G652.D

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How Much Does Fiber Optic Cable Cost? 2025 Factory

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

Fiber Optic Cable Supplier, Distributor

Stocking distributor of fiber optic installation tools, bulk fiber cables, fiber patch cables, test equipment, cable management, fiber optic training and more.

4-Core Single mode Fiber Optic Cable

4-Core Single mode Fiber Optic Cable also called 4-core Optical fiber cable,is a type of communications optic cable which has the same transmission speed as

OS1, OS2 vs OM1-OM5 Fiber Cables: Differences, Speeds, and

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Explore the differences between OS1, OS2 (single-mode) and OM1, OM2, OM3, OM4, OM5 (multimode) fibers. Learn their speeds, distances, and ideal uses for data centers and telecom

Fiber Optic Cable Types Explained

Our comprehensive guide to types of fiber optic cables. Learn all about the differences between single mode and multimode cables, as well as the various fiber wavelengths and standard core sizes used

24 Core Single Mode Fiber Optic Cable Single Tube

HES 24 Core Single Tube Steel Armored Fiber Optic Cable, SM 9/125µ Single Mode. Ideal solution for large network applications.

Single Mode vs Multimode Fiber, What is The Difference?

Learn the key differences between single mode vs multimode fiber cables and choose the right one for your fiber optic system.

48 Cores GYTS Fiber Optic Cable Stranded Steel Tape

48 Core GYTS Fiber Optic Cable is the outdoor fiber optic cable type used for duct and aerial applications. We supply single mode GYTS fiber optical cable and multimode GYTS fiber optic

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