

Price list for single-mode 4-core optical fiber cable

Article Overview

A standard 4-core single-mode fiber optic cable typically costs between \$0.40 and \$1.80 per meter, with 100-meter reels ranging from \$60 to \$90 depending on specifications and bulk orders.

Pricing Overview

The cost of a 4-core single-mode optical fiber cable depends on several factors, including cable type, jacket material, length, and additional features such as armored protection or UV resistance . Single-mode fiber uses a narrow 9-micron glass core, allowing long-distance transmission over 100 kilometers with minimal signal loss, making it ideal for backbone networks, ISP deployments, and campus-wide connections . Typical pricing examples include:

- o Basic indoor PVC-jacketed cable: around \$0.40 per meter
- o Ruggedized outdoor or armored cable: up to \$1.80 per meter
- o 100-meter reel of single-mode OS2 4-core cable: approximately \$60-\$90, depending on order volume and customization

Bulk Orders and Discounts

For large-scale deployments, bulk purchases exceeding 1,000 meters often qualify for tiered discounts, reducing the per-meter cost . Ordering longer spools or pre-terminated cables with connectors (SC, LC, FC) may carry a premium due to labor and precision but can save installation time and reduce splice losses.

Quality and Specifications

When evaluating price, consider total cost of ownership: lower-priced cables may compromise on fiber purity, tensile strength, or moisture barriers, leading to higher maintenance costs or premature failure . Reputable manufacturers like OWIRE and Fiber4u provide cables compliant with international standards (e.g., ITU-T G.652.D), ensuring consistent performance, durability, and reduced signal attenuation .

Customization Options

Many suppliers offer custom lengths, color-coded jackets, armored variants, and hybrid configurations combining fiber with copper conductors for powering devices like IP cameras . While customization may slightly increase unit cost, it improves system organization and long-term maintenance efficiency.

Recommended Vendors

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- o OWIRE: Offers LSZH, armored, aerial, and direct burial 4-core single-mode cables with rigorous quality control and factory testing .
- o Fiber4u: Provides project-specific single-mode fiber cables with flexible sheathing materials, armored options, and worldwide delivery .
- o Alibaba and ISPMart: Offer bulk 4-core single-mode cables suitable for indoor/outdoor use with CE certification and FRP reinforcement . For an accurate quote, it is recommended to contact suppliers directly with your required length, jacket type, and any pre-termination or environmental specifications to receive a tailored price.

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Overview: Rayoptic Communication Co., Ltd (Rayoptic) offers top-quality 4-core single mode fiber optic cables designed for high

Shop our diverse range of bulk fiber optic cables, tailored for various networking needs. We provide both single-mode and multimode

Find premium single mode fiber optic cables for high-speed data transmission. 20 years of expertise and worldwide delivery.

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

HES 4 Core Single Tube Steel Armored Fiber Optic Cable, SM 9/125µ Single Mode. Durable and high-performance fiber optic solution.

Discover fiber optic cable price per meter with CE-certified, armored outdoor solutions for reliable, high-speed fiber optic

Explore a variety of optical fiber cables designed for reliable data transmission. Download datasheets, compare pricing, and find a

4-core armoured fiber optic cable - 4-core underground armoured singlemode fiber optic cable -- direct burial for outdoor fiber

4 core single mode internal/external unarmored Fiber Optic cable Techlogiks loose tube cables are the

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Discover 4 core multimode fiber optic cable price per meter with OM3/OM4, LSZH jacket & CE

Fiber Optic Cable, Tight Buffer, Single-Mode, 12 Strand, TeraFlex®; Reduced water peak, 900 Micron, OFNR, Riser, Indoor/Outdoor,

Shri Enterprises - Offering 4 Core Optical Fiber Cable, Unarmoured, 1Km at INR 5.75/meter in New Delhi, Delhi. Get Single-Mode Fiber

Discover single mode fiber optic cable price per meter with CE-certified G652D/G657A2 fibers, ideal for telecom & 5G

In fiber optics, a quadruply clad fiber is a single-mode optical fiber that has four claddings. Each cladding has a refractive index

Fiber optic 4-core round drop cable consists of four parts, PE plastic cover, multi-strand aramid yarn, PBT

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