

Price of a 4-core single-mode optical cable

Article Overview

The price of 4-core single-mode optical fiber cable typically ranges from \$1.50 to \$6.50 per foot (\$4.92 to \$21.33 per meter) depending on specifications, jacket type, and additional features.

Pricing Overview

The cost of a 4-core single-mode fiber optic cable depends on several factors: raw material quality, manufacturing standards, jacket type (PVC, LSZH, or armored), cable length, and pre-termination with connectors (SC, LC, FC) can all influence the price. Standard bulk cables without armor or special features are generally at the lower end of the price range, while armored or pre-terminated cables carry a premium. For example, factory prices for single-mode fiber (OS2) range from \$1.50 to \$6.00 per foot, with armored cables costing \$1.15 to \$6.50 per meter depending on specifications. Bulk purchases often benefit from volume discounts, making longer spools more economical than multiple shorter reels.

Key Specifications Affecting Price

- o Core Count: 4 cores provide redundancy and scalability for medium-scale networks.
- o Fiber Type: Single-mode fiber (9-micron core) supports long-distance transmission with minimal attenuation.
- o Jacket Material: LSZH jackets are more expensive than PVC due to fire safety and environmental compliance.
- o Armored Protection: Steel-armored cables are recommended for outdoor or high-risk environments, increasing durability and cost.
- o Pre-Termination: Cables with factory-installed connectors reduce on-site labor but increase upfront cost.

Vendor Options

- o OWIRE offers high-performance 4-core single-mode cables with options for armored or UV-resistant jackets.
- o Fiber4u provides custom-manufactured cables with flexible sheathing materials and project-specific features, suitable for telecom, energy, and defense applications.
- o Alibaba lists bulk 4-core single-mode cables with CE certification for indoor/outdoor use.
- o ISPMart offers 4-core FTTH single-mode cables with FRP reinforcement and yarn for added durability, ideal for both indoor and outdoor installations.

Recommendations



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When requesting a quote, specify: required length, jacket type, armored or non-armored, pre-terminated connectors, and environmental conditions. This ensures accurate pricing and avoids hidden costs from substandard materials or inadequate specifications. For large-scale deployments, consider bulk spools to reduce per-meter cost and ensure consistent quality.

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

Our 4 Core FTTH Single Mode Optical Fiber Cables are designed to meet the specific needs of telecom operators and ISPs. They

HES Branded Fiber Optic Cables Single Mode 4 Core HES branded fiber optic cables are designed with high performance and

4 Core Singlemode Fiber Optic Cable locates in the centre of core as metallic strength member, tubes (fillers) are stranded around

This guide covers everything you need to know about 4 core fiber, including its internal structure, TIA standard color

The pricing of single-mode fiber optic cables varies significantly based on construction, application, and specific

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

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4-Core Single mode Fiber Optic Cable also called 4-core Optical fiber cable, is a

Internal/external tight buffered with Low Smoke Zero Halogen jacket and fire resistant to IEC 60332-1 Compact, lightweight and easy

Our comprehensive guide to types of fiber optic cables. Learn all about the differences between single mode and multimode cables,

About this item 4 Core Single Mode LC Industrial Armored TPU Fiber Optic Patch Cable: Industrial TPU



Price of a 4-core single-mode optical cable

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