

Price of 2-core hybrid optical fiber cable for safe city



AI Overview

The price of a 2-core hybrid optical fiber cable ranges from approximately \$0.09 to \$1.52 per foot for bulk materials, or around \$1 to \$6 per foot at retail, depending on specifications and installation type.

Pricing Overview

For 2-core hybrid fiber cables suitable for safe city applications (CCTV, WiFi access points, media converters), the cost depends on several factors:

- Cable Type:** Single-mode 2-core cables (e.g., G657A.1) are commonly used for long-distance transmission and are generally less expensive per foot than multimode options for short distances.
- Jacket Material:** LSZH (Low Smoke Zero Halogen) or OFNR riser-rated jackets are preferred for indoor/outdoor installations, affecting price.
- Installation Method:** Underground or direct burial cables cost more than aerial or indoor runs.
- Bulk Purchase:** Buying in reels (e.g., 1000m per reel) reduces per-meter cost. Commscope hybrid fiber cables are sold per reel with a minimum order of two reels, suitable for long-distance PoE and data transmission up to 3 km.

Typical Price Ranges

- Wholesale bulk materials:** \$0.09 to \$1.52 per foot, depending on fiber count, core type, and jacket construction.
- Retail or pre-terminated assemblies:** \$1 to \$6 per foot, with higher costs for armored or composite hybrid cables.
- Reel pricing:** A 1000m reel of 2-core hybrid fiber cable from Commscope or similar suppliers is typically priced based on specifications, with discounts for multiple reels.

Additional Considerations

- Hybrid Functionality:** These cables often combine optical fibers with copper conductors for power delivery (PoE), which is useful for smart city devices like cameras and access points.
- Longevity:** Fiber optic cables offer 20–30 years of service life with low maintenance, making them cost-effective for city infrastructure.
- Customization:** Suppliers like Fiberinthebox can manufacture hybrid cables to custom lengths and specifications, which may influen...

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2 Core Fiber Optic Cable

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Discover 2 core fiber optic cable price deals with CE-certified, LSZH jacket cables for FTTH networks. Ideal for fiber optic internet cable applications.

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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 total project costs overall.

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FiberREACH™ Powered Fiber Cable, OM3, 2 Fibers, Indoor/Outdoor, 12AWG Conductor, meter, feet

Fiber Optical Cable Manufacturer

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Slimline Hybrid Powered Fiber

The Slimline family of hybrid powered fiber cables combines a fiber optic cable with two copper conductors enclosed within the same jacket, allowing external power

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Hybrid Optical Fiber Cables and Composite Optical Fiber Cables are designed for integrating voice, data, video and power. They are used in control, distribution and signaling systems applications.

Hybrid Fiber Optic Cable

OMC Hybrid Cable uses armored Hybrid 2 Fibers, LSZH materials Jacket covered, is a new design cable, that improves the efficiency of communication transmission.

Contact Us

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