

Price of 4-core and 8-core optical cables



Overview

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

Key Takeaways

4-core fiber optic cables typically range from \$0.09 to \$1.50 per foot, while 8-core cables are slightly higher, depending on type, construction, and installation environment.

4-Core Fiber Optic Cables

4-core cables contain four individual optical fibers, often used for duplex communication and redundancy. Prices vary based on fiber type, jacket material, and environmental rating. For example:

- Single-mode 4-core cables (OS2) for long-distance transmission can cost more than multimode variants due to higher performance standards and longer reach .
- Multimode 4-core cables (OM3/OM4) are suitable for shorter runs in LANs or campus networks and are generally less expensive .
- Armored or plenum-rated cables designed for harsh environments or fire safety can increase costs by 20-50% . Indicative pricing for 4-core cables ranges from \$0.09 to \$1.52 per foot for wholesale bulk purchases, or \$1 to \$6 per foot at retail, depending on specifications and quality .

8-Core Fiber Optic Cables

8-core cables, such as the GYTC8S figure-8 self-supporting outdoor type, are designed for aerial installations and harsh environments. They include features like stranded loose tubes, steel-wire strength members, water-blocking systems, and armored PE jackets .

- These additional protective features make 8-core cables more expensive than 4-core cables, with prices generally starting slightly above the 4-core range and increasing with armor, outdoor rating, and single-mode fiber type .
- Typical per-foot costs for 8-core outdoor or armored cables can range from \$0.50 to \$5 per foot, depending on construction and environmental resistance .

Factors Affecting Price

- Fiber Type: Single-mode (OS2) is cheaper per foot than multimode (OM3/OM4) for the cable itself, but multimode may require more expensive transceivers.
- Cable Construction: Armored, plenum-rated, or direct-buried cables cost more due to additional materials and testing.
- Installation Environment: Outdoor, aerial, or underground installations increase cost compared to indoor runs.
- Volume and Lead Time: Bulk purchases (>10 km) reduce per-meter cost, while custom lengths or urgent orders increase it.
- Compliance and Certification: ISO/IEC or TIA/EIA-certified cables may carry a premium for guaranteed performance and durability . In summary, 4-core cables are generally more affordable, suitable for shorter or indoor applications, while 8-core cables are designed for more demanding outdoor or aerial installations, with higher prices reflecting their enhanced mechanical and environmental protection.

Article Content

4 Core Optical Fiber Cable

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

4 Core Fiber Optic Cable Price List with OWIRE Solutions

Understanding the 4 core fiber optic cable price list is essential for procurement teams and

4 Core Fiber Optic Cable

- 2000m Outdoor Cable: Available in lengths up to 2000 meters, this cable ensures a long-lasting connection. - Multi-core Options:

8 Core Indoor Fiber Optic Cable SM LSZH Price & Datasheet

This cable adapts to indoor distribution mostly, as well as outdoor but with PE tube only. This cable has characters of soft, easy to

8 Core Fiber Optic Cable

Shopping for 8 Core Fiber Optic Cable at the best prices is easy with flash sales, free shipping, and vouchers that make these wide

4-Core Optical Cables Complete Price List_NEWS_OPTICAL FIBER

As a result, it is essential for professionals in the industry to have access to accurate and up-to-date price information. This article

Bulk Fiber Optic Cables for Internet | CableWholesale

Browse our wide selection of fiber optic cables for sale and check out our accessories, including connectors, enclosures, and

Fiber Optic Cables | Cable Assemblies | DigiKey

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8 Core Fiber Optic Cable Price Per Meter

Buy 8-core fiber optic cable at low prices, starting from \$0.37/m. Available in large volumes. Ideal for resale, suitable

Cost of Fiber Optic Cable: Pricing Guide (2026)

The wide price range reflects differences in fiber strand count, outer jacket construction,

Bulk Fiber Optic Cables for Internet | CableWholesale

Fiber optic cables are one of the most popular types of long-distance networking cable, making them ideal for a variety of

Acconet Fibre Cable | Singlemode & Multimode Optical Cables

Acconet fibre cable—singlemode and multimode optical cables for telecom, FTTx, and LAN installations.

Fiber Optic Cable Buying Guide

Fiber optic cables transmit data using pulses of light instead of electrical signals. Inside the cable you can find a glass or plastic core

Fiber Optical Cable Manufacturer

Manufacturer of Fiber Optical Cable Manufacturer - 2,4,6,12 Core Steel Fiber Optical Cables, FTTH Drop

4 Core Optical Fiber Cable

4 Core FTTH Single Mode Optical Fiber Cable – Round OD 5.8 mm + FRP + Yarn Our 4 Core FTTH Single Mode Optical Fiber

Fibre Optic Cable and Accessories

4Cabling is a Leading Supplier of Multimode and Singlemode Fiber Optic Cables, Fibre Patch Leads and Fibre Optic Patch Panels

8 Core Fiber Optic Cable 4.8mm

Javi Systems India Private Limited - Offering 8 Core Fiber Optic Cable 4.8mm at ₹ 30/meter in Bengaluru, Karnataka. Get Armoured

4 Core OS2 Single Mode LC LC Outdoor Fiber Patch

Experience unmatched speed and performance with this advanced fiber optic cable. Easy Installation and

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

