

Price of Four-Core Single-Mode Outdoor Optical Cable



Overview

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

Key Takeaways

The price of a 4-core single-mode outdoor optical cable typically ranges from \$0.50 to \$1.50 per meter, depending on length, jacket type, and manufacturer. Pricing Overview

The cost of a 4-core single-mode outdoor fiber optic cable varies based on several factors: cable length, jacket material (armored, UV-resistant, or standard outdoor-rated), and brand reputation. For example, industrial-grade 4-core single-mode armored cables suitable for harsh outdoor environments can be purchased in short lengths (e.g., 5 meters) on Amazon, though exact prices depend on seller and specifications. Bulk purchases, such as 1,000-meter GYXTW outdoor cables, are typically priced lower per meter due to volume discounts. OWIRE Solutions reports that single-mode 4-core cables, which use OS2 fiber for long-distance transmission up to 100 km, generally cost more than multimode variants. Prices reflect not only raw materials but also manufacturing standards, testing, and compliance with international certifications like ITU-T G.652.D.

Factors Affecting Price

- Cable Type: Single-mode cables are more expensive than multimode due to higher precision in fiber alignment and lower signal attenuation over long distances.

- **Jacket Material:** Outdoor-rated jackets, armored protection, UV resistance, and water-proofing increase durability and cost .
- **Length:** Longer cables reduce the per-meter cost but increase total purchase price. Bulk rolls (500–1,000 meters) are more cost-effective for large installations .
- **Brand and Quality:** Reputable brands like OWIRE provide rigorously tested cables that ensure long-term reliability, which may justify a higher upfront cost .

Typical Price Examples

- **Short industrial patch cable** (5 meters, armored, outdoor-rated): Price varies around \$20–\$30 per piece, depending on seller .
- **Bulk 1,000-meter outdoor GYXTW cable:** Estimated at \$0.50–\$1.50 per meter, depending on specifications and supplier .

Recommendation

When purchasing 4-core single-mode outdoor fiber optic cables, consider total cost of ownership rather than just upfront price. Investing in cables with proper certifications, armored protection, and UV-resistant jackets ensures durability, reduces maintenance, and maintains signal integrity over long distances . For medium-scale networks or ISP deployments, a 4-core single-mode cable from a reputable supplier like OWIRE or Datacomm Express provides a balance of performance, reliability, and cost-efficiency.

Article Content

FLYPROFiber

Easy Installation and Connectivity--- The OS2 LC 4-core outdoor armored fiber optic cable ensures hassle-free installation and

Fibre cable Outdoor 4 Core Singlemode SM Per Metre

Fibre cable Outdoor 4 Core Singlemode SM Per Metre Fibre Cable Outdoor 4 Core Singlemode SM Per Metre is a high-performance

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 SM Outdoor Armored Fiber Optic Cable 1000m TPU

Discover the 4 Core Singlemode Outdoor Armored Fiber Optic Cable, featuring a robust black TPU jacket for exceptional durability

4-Core Single mode Fiber Optic Cable

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

Quality Bulk Multimode & Single Mode Fiber Optic Cables

Buy fiber optic single and multimode cable at Cables Plus. High quality, low prices, fast shipping. Shop our wide selection for all your

Contact Us

Continue your research online:

Website: <https://coetzerinvestments.co.za>

Technical inquiry: <https://coetzerinvestments.co.za/contact.html>

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

