

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

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4 Core Optical Fiber Cable

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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

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