

Comprehensive Unit Price of Four-Core Single-Mode Fiber Optic Cable



AI Overview

4-core single-mode fiber optic cables typically range from \$0.40 to \$1.80 per meter, with 100-meter reels costing \$60-\$90 depending on specifications and bulk orders.

Typical Pricing

- Basic indoor 4-core single-mode cables: Around \$0.40 per meter, suitable for short-distance indoor distribution .
- Ruggedized outdoor or armored versions: Up to \$1.80 per meter, designed for harsh environments and long-distance transmission .
- 100-meter reels: Standard single-mode OS2 4-core cables with tight-buffered PVC jackets usually cost \$60-\$90, depending on order volume and customization .
- Bulk purchases: Orders exceeding 1,000 meters often qualify for tiered discounts, reducing the per-meter cost .

Factors Affecting Price

- Cable Type: Single-mode (OS1/OS2) supports long-distance transmission up to 100 km, costing more than multimode variants .
- Jacket Material: Indoor PVC jackets are cheaper, while outdoor, armored, or plenum-rated jackets increase cost .
- Installation Environment: Direct burial or harsh outdoor conditions require more durable construction, raising prices .
- Brand and Certification: Reputable brands like OWIRE, Corning, or Turkuaz Kablo provide tested, certified cables, which may cost more but ensure reliability and com...

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2 1. Fiber Count and Cable Construction 3 2. Jacket Material and Environmental Rating 4 3.

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4 core single mode fiber optic cable specifications Traditionally used in riser and vertical installations predominantly

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