Price quote for 4-core large-diameter optical fiber



Overview

4 Core Fiber Optic Cable Price List with OWIRE SolutionsUnderstanding the 4 core fiber optic cable price list is essential for procurement teams and projec.

Key Takeaways

The price of 4-core optical fiber ranges from approximately $0. 40 to $1. 80 per meter, depending on type, core diameter, and environmental specifications.

Pricing OverviewSingle-mode 4-core cables (narrow core, 8–10 micrometers) are designed for long-distance transmission and typically cost more due to precise manufacturing requirements. A standard 100-meter reel of single-mode OS2 4-core cable with a PVC jacket usually falls in the $60–$90 range, with bulk discounts available for orders exceeding 1,000 meters (OWIRE Solutions). Multimode 4-core cables (large core, 50 or 62.

5 micrometers) are suitable for shorter distances, such as LANs, data centers, and building infrastructures. Prices for basic indoor multimode cables start around $0. 40 per meter, while ruggedized outdoor or armored versions can reach $1.

80 per meter.

Factors Affecting Price

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Cable Type: Single-mode cables are more expensive than multimode due to higher transmission efficiency and longer distance capability. Core Diameter: Larger cores (multimode) simplify installation but are limited to shorter distances, affecting cost. Jacket Material: Indoor PVC jackets are cheaper, while LSZH, armored, or direct burial cables for harsh environments increase the price.

Length and Bulk Orders: Buying in bulk reduces per-meter costs by 20–40%. Standards and Certifications: Cables meeting ISO/IEC 11801 or TIA/EIA-568 standards may cost more but ensure better performance and durability. Typical Use CasesSingle-mode: Long-distance telecom, optical transport networks, satellite links.

Multimode: Enterprise LANs, data centers, medical imaging, fiber-to-the-home (FTTH) networks.

Summary

For a 4-core large-diameter optical fiber, expect prices roughly as follows: Indoor multimode: $0. 40–$0. 60 per meterOutdoor/armored multimode: $1.

20–$1. 80 per meterSingle-mode OS2: $0. 60–$0.

90 per meter for standard 100-meter reels, with bulk discounts available. These prices reflect both material quality and manufacturing standards, ensuring reliable performance for high-speed data transmission.

Article Content

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 project planners aiming to balance budget constraints

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 provide high-performance connectivity and ensure that your data is

How Much Does Fiber Optic Cable Cost? 2025 Factory Price Guide

Searching for how much does fiber optic cable costs? Stop guessing. We break down 2025 prices for OS2, OM3, and Armored cables directly from the Wolontek factory floor.

4 Core Fiber Optic Cable

Discover 4 core fiber optic cables for reliable fiber networking. Ideal for FTTH, outdoor use with CE/ROHS certification and G657A1/G652D fiber types.

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Fiber Optic Cable Price Per Foot Guide 2026

The following breakdown shows how costs accumulate for a fiber optic run. The table combines per-foot cable costs with project-level and per-unit charges to reflect real-world pricing.

Fiber Optical Cable Manufacturer

We offer premium-quality 4 Core FRP Optical Fiber Cable, designed for reliable and high-performance data transmission. Manufactured with precision and durability,

Fiber Optic Accessories

Edmund Optics offers a variety of Fiber Optics, including jacketed or unjacketed optical grade or communications grade Optical Fibers. Optical grade Optical

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.

4 Core OM4 Fiber Optical Cable Multimode LSZH

The full name of fiber cable is optical fiber cable or optic fiber cable. They are made of pure quartz, and change into a very tiny thin wire by a special process.

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Large Core Fiber Optics

Large Core End Lit Fiber – How it works: Large core end lit fiber works in same manner as traditional optical fiber and offers some advantages over some traditional fiber optic designs. There are physical

Large-core Fibers – multimode, single-mode, effective mode area

Large-core fibers are optical fibers with a relatively large fiber core. Depending on the numerical aperture, such fibers can be single-mode or multimode.

DRAKA optical cable 4 core

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DRAKA optical cable 4 core Outer diameter: 2 – 16 core: 7.5 mm Approximate weight: 2 – 16 core: 55 kg / km Maximum tensile strength: 1500 N (fiber pressure less than 1/2 proof test level) Short-term

4 Core Fiber Optic Cable Price List with OWIRE Solutions

The 4 core fiber optic cable price list reflects not only raw materials but also manufacturing standards, testing procedures, and compliance with

An Introduction to Large Core Optical Fibers

You may recognize these types of fibers by industry specifications such as OM2, OM3, and OM4 or by brand names like Corning® ClearCurve® and OFS® LaserWave®. However, for applications that

Large Core Optical Fiber

Large core multimode optical fiber with core diameters from 10 ~ 2000μm provide ease of alignment and enable light/laser transmission with high power efficiency.

4 Core Multimode Fiber Optic Cable Price Per Meter

Hongan optical fiber cable company has always stood on high starting point, high technology and high standard since it was founded. Production capacity is 50

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

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