Price of 24-core optical fiber cable sheathing



Overview

Find 24 core fiber optic cable price per meter for various applications. Shop our selection of durable, high-quality optic fiber cables for reliable communication.

Key Takeaways

The price of 24-core fiber optic cable sheathing typically ranges from $1. 50 to $6. 00 per meter, depending on type, construction, and application.

Pricing Overview

The cost of 24-core fiber optic cables varies widely based on fiber type, sheathing, and deployment environment. Basic indoor multimode cables are on the lower end, around $1. 50–$2.

50 per meter, while armored outdoor single-mode or ribbon cables can reach $5–$6 per meter due to enhanced protection and durability. Specialized cables like GYTA53 double-armored, double PE-sheathed cables for direct burial are designed for harsh environments and may cost more due to steel tape armor, water-blocking fillers, and polyethylene sheathing.

Factors Affecting Price

Fiber Type: Single-mode fibers (G. 652D, G. 657A1) are generally more expensive than multimode fibers (OM4) because they support long-distance, high-bandwidth transmission.

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Sheathing and Armor: Cables with corrugated steel tape, Kevlar, or double PE sheathing provide superior crush, rodent, and moisture resistance, increasing cost. Application Environment: Outdoor, direct-buried, or aerial installations require more robust construction, which raises the price per meter compared to indoor riser-rated or tight-buffered cables. Brand and Quality: Premium brands like Corning, YOFC, or Fujikura may charge higher prices due to better bending radius, lower attenuation, and longer lifespan.

Practical Considerations

When budgeting, consider total cost of ownership, including installation, splicing, connectors, and expected service life. While cheaper multimode cables may reduce upfront costs, single-mode or armored cables often provide long-term savings by reducing maintenance and replacement needs. For outdoor or underground deployments, investing in armored and PE-sheathed cables can prevent damage from environmental stressors and rodents.

In summary, expect to pay between $1. 50 and $6. 00 per meter for 24-core fiber optic cable sheathing, with the exact price depending on fiber type, sheathing, and intended use.

Consulting suppliers for customized quotes based on project specifications is recommended to ensure optimal performance and cost-efficiency.

Article Content

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Despite these variables, average market prices for 24 core fibre optic cables typically range from $0.50 to $1.50 per meter for standard single-mode loose tube cables, depending on

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24 Core Outdoor Armored Double Jacket Fiber Optic Cable

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