COETZER OPTICAL SYSTEMS (Pty) Ltd

Fiber optic cable price 8 cores

Overview

8 Core GYTC8S Figure-8 Fiber Optic Cable PriceThis kind of cable is specifically used for self supporting aerial Cost of Fiber Optic Cable: Pricing Guide (.

Key Takeaways

The price of 8-core fiber optic cables typically ranges from $0.50 to $6 per foot, depending on type, construction, and application.Pricing Overview

For materials only, 8-core fiber optic cables generally cost:

• Single-mode fiber: approximately $0.50 per foot for standard indoor cables, with outdoor or armored versions costing up to $5–$6 per foot .

• Multimode fiber: slightly higher, ranging from $0.50 to $1 per foot for standard cables, with armored or figure-8 outdoor cables costing more . Wholesale bulk purchases can reduce costs to $0.09–$1.52 per foot, while retail prices for pre-terminated or specialty cables are higher due to factory termination and connector types .
Types and Applications
• Figure-8 self-supporting outdoor cables (e.g., GYTC8S) are designed for aerial installation, duct, or buried methods. They feature stranded loose tubes, steel-wire strength members, and water-blocking systems, providing excellent mechanical and environmental performance .

• Standard outdoor 8-core cables (e.g., GYXTW) are suitable for long-distance single-mode transmission and can be used in aerial or duct installations .

• Indoor riser or plenum-rated cables are less expensive but not suitable for harsh outdoor conditions .
Factors Affecting Price
• Fiber Type: Single-mode is cheaper per foot than multimode, but requires more expensive equipment.

• Cable Construction: Armored, plenum-rated, or figure-8 self-supporting cables cost more due to enhanced durability and installation flexibility .

• Installation Method: Underground or direct-burial cables are more expensive than aerial or indoor runs.

• Length and Quantity: Bulk orders reduce per-foot cost significantly.
Example Prices
• 8-core GYTC8S figure-8 armored outdoor cable: typically $2–$5 per foot depending on supplier and specifications .

• Indoor 8-core single-mode cable: around $0.50–$1 per foot for standard riser-rated cables .

• High-count or pre-terminated assemblies: can exceed $6 per foot due to factory termination and connector type . In summary, expect to pay between $0.50 and $6 per foot for 8-core fiber optic cables, with the exact price depending on fiber type, cable construction, and intended application. For large-scale projects, contacting suppliers for bulk pricing and specifications is recommended.

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