

Maldives Special Optical Cable Price ADSS



Overview

VERI ADSS type of optical fiber is a communication cable consisting of glass or plastic fiber optic cores (two or more).

Key Takeaways

ADSS fiber optic cable prices typically range from \$0.25 to \$1.20 per meter depending on core count, span length, and environmental specifications. Price Overview

The cost of ADSS cables varies significantly based on fiber core count, cable structure, span length, and protective features. For example, a 12-core ADSS cable for short spans (≤ 100 meters) with a standard double PE jacket may cost around \$0.25–\$0.35 per meter, while a 48-core cable for long spans (≥ 500 meters) with reinforced aramid yarn and tracking-resistant jackets can reach \$0.90–\$1.20 per meter. Prices also increase for armored, water-resistant, or LSZH-sheathed cables.

Factors Affecting Cost

- **Core Count:** More fibers increase material and manufacturing costs. Single-core cables are cheaper, while multi-core cables support higher data capacity.
- **Span Length:** Longer spans require higher tensile strength and reinforced structures, raising the price.
- **Environmental Resistance:** UV resistance, water-blocking, and extreme weather protection add to cost.

- **Material Type:** PE jackets are economical, while LSZH or double-jacket designs are more expensive but offer better durability .
- **Installation Complexity:** Overhead installation in hard-to-reach areas or near power lines may increase labor costs .

Bulk Purchase and Supplier Strategies

Buying in bulk can significantly reduce per-meter costs. High-volume orders (e.g., 30,000+ meters) may lower prices to \$0.02-\$0.06 per meter depending on supplier and cable specifications . Choosing experienced suppliers with ISO certification and after-sales support ensures quality and long-term reliability . Customization options, such as specific lengths, connector types, and color coding, may slightly increase upfront costs but improve project efficiency .

Practical Considerations for the Maldives

- **Climate:** The Maldives' tropical, humid environment requires cables with UV and water resistance.
- **Installation:** Overhead installation along utility poles or existing infrastructure is common; consider safety and labor costs.
- **Shipping:** Importing cables may add to total project cost due to transportation from Asia-Pacific suppliers, where most ADSS cables are manufactured . In summary, for a typical ADSS project in the Maldives, expect \$0.25-\$1.20 per meter for standard cables, with potential reductions for bulk orders and higher costs for specialized environmental protection or long-span designs .

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