ZITHA TECH SPECIALTY CABLES (Pty) Ltd

AdSS fiber optic cable quote



Overview

ADSS fiber optic cable price | A Complete Buyer's GuideDiscover the latest ADSS fiber optic cable prices for various spans and core counts. Get competitive.

Key Takeaways

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

The cost of ADSS (All-Dielectric Self-Supporting) fiber optic cable depends on several factors:

• Fiber Core Count: More fibers increase material and production costs. For example, a 12-core cable for short spans (≤100 meters) typically costs $0.25–$0.35 per meter, while a 48-core cable for long spans (≥500 meters) can range from $0.90–$1.20 per meter .

• Span Length: Longer spans require stronger mechanical structures and reinforced jackets, which increase the price .

• Sheath Type: Standard polyethylene (PE) jackets are less expensive, whereas anti-tracking (AT) or UV-resistant jackets for high-voltage or harsh environments cost more .

• Fiber Type and Brand: Premium fibers from brands like Corning®, YOFC®, or Fujikura® are more expensive than generic fibers .

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• Environmental and Mechanical Requirements: High-voltage lines, extreme weather, or desert/tropical conditions may require specialized jackets and higher tensile strength, affecting cost .
Specifications and Options

ADSS cables are designed for aerial installation without a messenger wire, making them suitable for live-line installation in power distribution and telecom networks .
Key features include:

• Fiber Counts: 12–432 fibers, with gel-free buffer tube options up to 216 fibers .

• Span Lengths: Up to 3500 ft (≈1067 meters) for standard designs; custom lengths available .

• Construction: Torque-balanced aramid yarns, FRP central member, water-blocking system, and double jacket for mechanical protection .

• Voltage Compatibility: Track-resistant jackets for lines up to 25 kV .
Requesting a Quote

To obtain a precise quote, you should provide:

• Fiber count (e.g., 12, 48, 144, 432 cores)

• Span length (meters or feet)

• Sheath type (PE or AT)

• Voltage level of the power line (if applicable)

• Environmental conditions (UV exposure, desert, tropical, or high humidity)

• Required standards or certifications (IEEE, IEC, TIA) Manufacturers and suppliers such as AFL, Honelinks, ISPSupplies, and WireonCables offer online quote requests and can provide tailored pricing based on these specifications . By specifying these parameters, you can receive a competitive and accurate quote for your ADSS fiber optic cable project.

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The aerial fiber optic solution most commonly used in medium to long-distance telecom and power utility

ADSS Fiber Optic Cable, Price And Specifications

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ADSS fiber optic cable, which stands for “all-dielectric self-supporting optical cable,” uses special materials

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What Is ADSS Cable? ADSS cable is a type of fiber optic cable that is strong enough to support itself between structures without

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Shop ADSS all-dielectric self-supporting fiber optic cable for aerial spans - multiple fiber counts and span ratings. Ships nationwide.

ADSS Fiber Optic Cable

As its name indicates, there is no support or messenger wire required, so installation is achieved in a single pass, making ADSS an

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ADSS (All Dielectric Self-Supporting) cables are designed for Overhead self-supporting applications at short, medium and long span

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