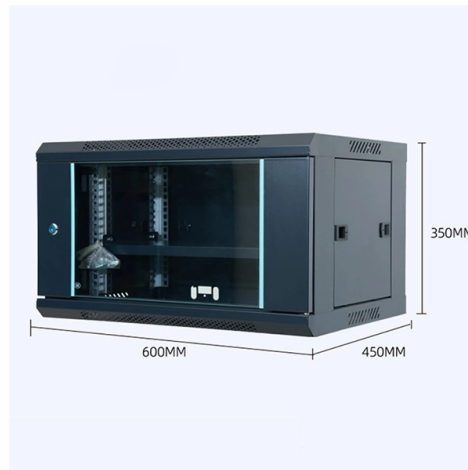


Outdoor Optical Cable Specifications and Price List



Article Overview

Outdoor fiber optic cables come in several types—loose tube, armored, ADSS, and OPGW—each designed for specific environmental conditions and installation methods, with prices varying by type, fiber count, and installation complexity.

Major Outdoor Fiber Cable Types

1. Loose Tube Cables

- Design: Fibers are encased in gel-filled or water-blocking buffer tubes, providing protection against moisture and temperature extremes (-40°C to +70°C) while allowing fiber movement.

- Applications: Long-haul, backbone networks, and outdoor-to-indoor transitions.

- Advantages: Excellent moisture resistance, flexibility, and durability in harsh environments.

2. Armored Cables

- Design: Includes a metal layer (steel or aluminum) between the fiber core and outer jacket for mechanical protection.

- Applications: Direct-burial, aerial spans, or areas with rodent or physical damage risk.

- Advantages: Crush-resistant, rodent-proof, suitable for exposed or underground installations.

- Cost: Direct-burial armored cables typically cost \$5–\$15 per foot, depending on trenching and installation complexity.

3. ADSS (All-Dielectric Self-Supporting) Cables

- Design: Fully dielectric, using aramid yarn (Kevlar) for tensile strength; no metal,...

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SPECIFICATIONS The fibre cable shall contain up to 24 fibres and have an all-dielectric loose tube construction. It shall be suitable

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