

Aerial Bundled Cable with Aluminum Conductors

This aerial bundled cable (ABC) features aluminum alloy conductors and insulation. It is designed for overhead power distribution, offering improved safety and reliability compared to bare conductors.



ADDITIONAL IMAGES



Product Overview

Aerial Bundled Cable (ABC)

This Aerial Bundled Cable features high-conductivity aluminum alloy conductors with durable XLPE insulation, designed for safe and reliable overhead power distribution. The construction includes options for 1, 2, or 3 power cores, often accompanied by a neutral conductor and an optional street lighting core. Engineered with a messenger wire that serves as both a load-bearing element and an earth/neutral conductor, this cable is suitable for various primary and secondary distribution applications.

Technical Specifications

Rated Voltage

0.6 kV

Voltage U0

1 kV

Voltage U

Max Conductor Temperature

Insulation Type	Max Temperature
Polyethylene (PE)	75°C
Cross-linked Polyethylene (XLPE)	90°C

Construction

Insulation Types

- PE (Polyethylene)
- XLPE (Cross-linked Polyethylene)

Conductor Materials

Stranded Aluminum, Aluminum Alloy, ACSR, AAAC, Galvanized Steel Wire

Standards & Compliance

Compliance Standards

- ASTM B-230 (Aluminum Wire, 1350-H19)
- ASTM B-231 (Aluminum Conductors, Concentric-Lay-Stranded)
- ASTM B-232 (ACSR)
- ASTM B-399 (6201-T81 Aluminum Alloy)
- ASTM B498 (Zinc-Coated Steel Core)
- ANSI/ICEA S-76-474