

Aluminum Conductor Steel Reinforced Cable

This high-capacity, high-strength stranded conductor is typically used in overhead power lines. Its aluminum outer strands ensure conductivity and corrosion resistance, while the steel core provides the strength needed to support the conductor's weight.



ADDITIONAL IMAGES



Overview

High-Performance Overhead Conductor

Aluminum Conductor Steel Reinforced (ACSR) cable is engineered for high-capacity overhead power transmission and distribution. By combining the excellent electrical conductivity and lightweight properties of aluminum with a robust steel core, this conductor offers an exceptional strength-to-weight ratio. This unique design enables longer spans between support structures, reduces sag, and withstands harsh environmental conditions such as wind and ice loads.

Technical Features

Key Benefits

- High conductivity
- High strength-to-weight ratio
- Reduced sag
- Longer spans
- Corrosion resistance

Typical Usage

Overhead Power Lines • Transmission Networks • Distribution Networks

Construction

Aluminum Outer Strands, Steel Core

Performance Metrics

Mechanical Performance

1 Steel

Core Material

1 Aluminum

Outer Material