

All Aluminum Overhead Conductor

This all aluminum conductor (AAC) is composed of concentrically stranded aluminum alloy 1350 wires. It is used in overhead power transmission and distribution systems where high strength-to-weight ratio is not critical.



Product Overview

All Aluminum Conductor (AAC) Overview

The All Aluminum Conductor (AAC) is a concentrically stranded conductor composed of one or more layers of hard-drawn 1350 aluminum alloy wires. Designed for reliable electrical performance, it is widely utilized in low, medium, and high voltage overhead lines. Its superior corrosion resistance makes it an ideal choice for coastal environments, while its high conductivity serves urban areas with shorter span requirements.

Technical Features

Key Features

- High current carrying capacity
- Excellent resistance to corrosion
- Ideal for coastal area installations
- Suitable for low and medium voltage lines in urban areas

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|---------------------|--------------------------------|
| Material | Hard drawn 1350 aluminum alloy |
| Construction | Concentric lay stranded |

Application Suitability

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| Best Use Cases | Urban Overhead Lines, Coastal Environments, Low Voltage Distribution, Medium Voltage Distribution |
| Application Limitations | Not recommended for long-span transmission lines or rural distribution due to strength-to-weight ratio. |