

ALU-ALU LUGS

DESCRIPTION

Alu-Alu lugs are electrical accessories designed to provide a secure connection between two aluminum conductors. They ensure excellent conductivity while reducing the risk of oxidation due to their specific material properties. These lugs are commonly used in environments requiring robust and durable connections between aluminum cables.



SPECIFICATIONS

- Available in various sizes to match cable cross-sections (e.g., 10 mm², 16 mm², 25 mm², up to 500 mm²).
- Voltage Capacity: Suitable for voltages ranging from 1 kV to 36 kV, depending on application standards.
- Resistance: Low contact resistance to minimize energy losses.
- Manufacturing Standards: Compliant with IEC or NF standards for aluminum electrical connectors.
- Installation: Requires appropriate crimping tools to ensure a secure connection.
- Lifespan: Long service life due to excellent mechanical strength and corrosion resistance.

MATERIAL

- Main Body: High-purity aluminum for optimal conductivity.
- Surface Treatment: Typically anodized or coated with a special layer to minimize oxidation.
- Conductive Insert: Some models include a conductive insert to enhance electrical contact.

APPLICATION

- Connecting aluminum electrical cables in industrial or residential installations.
- Medium and high-voltage power lines, particularly in distribution networks.
- Fixed and mobile connections in electrical systems requiring high conductivity.
- Outdoor applications, thanks to their resistance to oxidation and weather conditions.