

DTL-3 Bimetallic Ring Cable Terminal Lug

This DTL-3 bimetallic lug is designed for connecting copper conductors to aluminum conductors in power grids. It is manufactured using friction welding, with an aluminum barrel and copper palm.



ADDITIONAL IMAGES



Product Overview

DTL-3 Bimetallic Terminal Lug

The DTL-3 bimetallic cable terminal lug is engineered for the transition connection of circular and hemicycle-sector aluminum wires to copper terminals in electrical equipment. Utilizing advanced friction welding technology, these lugs ensure a robust and reliable electrical interface between dissimilar metals. The barrel is chemically treated to reduce contact resistance and prevent corrosion, while the internal structure is prefilled with jointing compound to enhance connectivity and longevity.

Technical Specifications



Engineered for reliable transition connections between aluminum and copper conductors.

Internal Features

- Prefilled with jointing compound
- Transition area designed to eliminate moisture entry
- Capped barrels

Material Composition

Aluminum (Al 99.5), Copper (Cu 99.9)

Jointing Technology

Friction welding

Surface Treatment

Chemical treatment for corrosion and oxidation resistance

Applications

Compatible Conductors

- Circular aluminum wires
- Hemicycle-sector aluminum wires
- Power supply cables
- Copper terminals of electrical equipment

Primary Application

Transition connection between aluminum conductors and copper electrical equipment terminals