

sofamel

Product Technical Specifications

Mod. TBE

Bimetallic cable lug

Functionality

TBE tinned aluminium cable lugs are manufactured from aluminium alloy tube of purity equal or higher than 99.5%. It incorporates neutral grease to avoid aluminium oxidation

Product Features

The main application for this kind of terminals is to connect aluminium cables to a copper bars, aluminium and bimetallic applications. The compression of the terminal must be done with hexagonal compression in order to guarantee the good connection to pass all the test described on international cable lug connection standards.

The TBE series were designed to comply the characteristics of the class A terminals. Class A terminals are connectors Intended for electricity distribution or industrial networks in which they can be subjected to short-circuit of relatively intensity and duration.

Therefore, Class A terminals are suitable for most applications.

Aluminium terminal with a tinned surface made in only one piece of high quality aluminium and with a layer of 15 µm of tin that guarantees a correct behavior against the corrosion due to the humidity and the contact between aluminium with tinned surface and Copper.

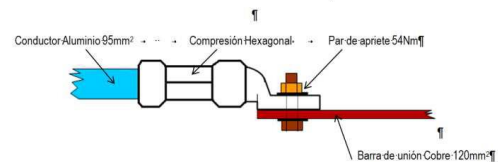


Mod. TBE

Bimetallic cable lug

Raw Material Features

- Material: High purity aluminum (min. 99,5%)
- Electrolytic tin-plated surface with minimum thickness of 15 μ m.
- It incorporates neutral grease to avoid aluminum oxidation



Electrical Features

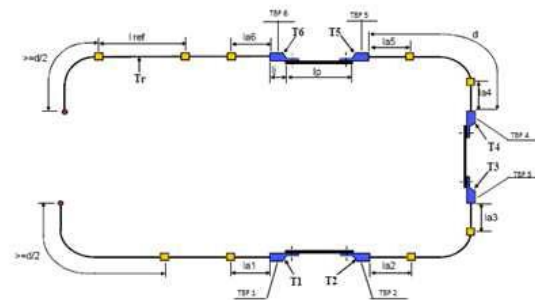
This product has been tested following the Standard CEI-IEC 61238-1 (compression and mechanical connectors for power cables for rated voltages up to 30kV ($U_m=36kV$), part 1: Test methods and requirements

The electrical resistance of the union cable-terminal and terminal-bar must remain stable in the time.

This test is made in order to guarantee that: The resistance of the connection will remain stable

The temperature of the connector will be of the same order or less than that of the conductor

In case of application of short-circuit current, it will not affect resistance and temperature
In case of application of short-circuit current, it will not affect resistance and temperature (Class A connector).



El esquema de montaje es el indicado en la norma pero en disposición vertical y los terminales paralelos.

