

sofamel

Product Technical Specifications

Mod. TBEM/A

Bimetallic cable lug

Functionality

TBEM/A terminals are made of 99.5% or higher aluminium alloy tubes with a tinned finish. Neutral grease incorporated to prevent aluminum oxidation. It is designed for aerial cables.

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 to guarantee the good connection to pass all the test described on international cable lug connection standards.

The TBEM/A 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.





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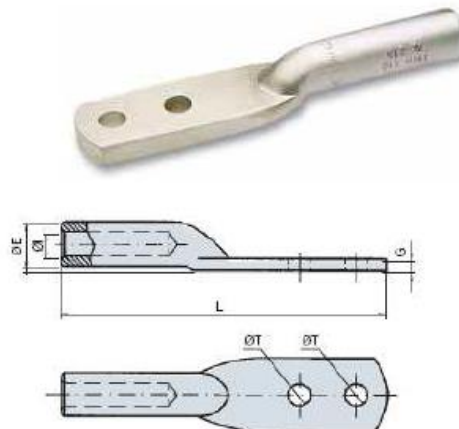
Raw Material Features

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

Certificates

They comply with the Standard **UNE 61238-1: 2006** Compression and mechanical connectors for power cables for rated voltages up to 36 kV ($U_m = 42 \text{ kV}$) -- Part 1: Test methods and requirements. (IEC 61238-1:2003, modified)

Dimensions



| Código | Ref. | Sección (mm²) | Dimensiones (mm) | | | | | Kg x 100 | Bolsa | Caja |
|--------|------------|---------------|------------------|------|------|------|-----|-------------|-------|------|
| | | | ØE | ØI | ØT | G | L | | | |
| 125190 | TBEM/A-30 | LA-30 | 20,0 | 7,6 | 13,0 | 7,7 | 170 | 12,200 | 1 | 80 |
| 125200 | TBEM/A-56 | LA-56 | 20,0 | 10,0 | 13,0 | 7,7 | 170 | 11,800 | 1 | 80 |
| 125210 | TBEM/A-78 | LA-78 | 20,0 | 12,0 | 13,0 | 7,7 | 170 | 10,600 | 1 | 80 |
| 125220 | TBEM/A-100 | LA-100 | 20,0 | 13,0 | 13,0 | 7,7 | 170 | 10,200 | 1 | 50 |
| 125230 | TBEM/A-110 | LA-110 | 25,0 | 14,5 | 13,0 | 11,6 | 190 | 19,800 | 1 | 40 |
| 125235 | TBEM/A-125 | LA-125 | 25,0 | 15,5 | 13,0 | 11,6 | 190 | 19,500 | 1 | 40 |
| 125240 | TBEM/A-145 | LA-145 | 25,0 | 16,5 | 13,0 | 11,6 | 190 | 19,300 | 1 | 40 |
| 125250 | TBEM/A-180 | LA-180 | 32,0 | 18,3 | 13,0 | - | 199 | 32,500 | 1 | 30 |

Datos sujetos a cambios
2020, Mayo 13

Versión: R2-7.2 COM01

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Las especificaciones están sujetas a cambios sin previo aviso.