

sofamel

Product Technical Specifications

Mod. T-45° Copper Terminals 45°

Functionality

Copper cable lug for connections of **LOW** and **MEDIUM VOLTAGE** circuits. They are used in a wide range of sections, both for flexible and rigid copper cables in underground distribution networks. These terminals must be crimped by **HEXAGONAL COMPRESSION** or by **PUNCHING COMPRESSION**.

Product Features

Manufactured from **ELECTROLYTIC COPPER** with a tinplated finish to improve electrical contact. Incorporates a central stop which facilitates the correct cable positioning.

These copper cable lugs are suitable for indoor and outdoor installations as long as any possible water inlet is sealed by tape or heat shrink, as could be the inspection hole and / or the remaining separation between terminal and cable once crimped.





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The Sofamel cable lugs are marked with the Sofamel logo and the section and the ØT.

The sections of this product can be from **10 to 240 mm²** and the blade drill can have measures of **6, 8, 10, 12, 14 and 16 mm**.

Raw Material Features

COPPER

Copper type: **99.9% electrolytic copper**.

Specific gravity: **8.95 gr/cm³**.

Conductivity at 20°C: **58.14 Siemens x m/mm²**.

Resistivity at 20°C: **0.0172 Ohms x mm²/m**.

Surface treatment: **tin bath 5µ thick**.

Electrical Features

CLASS A cable lug:

Connectors intended for the distribution of electricity or industrial networks, where they may be subjected to short circuits of relatively high intensity and duration. As a result, they adapt to most applications.

Certified

Short circuit tests, tensile mechanics, and electrical aging performed according to the Standard **UNE-EN 61238-1**: Compression and mechanical connectors for power cables for rated voltages up to 36 kV (Um = 42 kV) -- Part 1: Test methods and requirements.

They comply with European **Directive 202/95/EC** about hazardous substances restriction (**ROHS**).

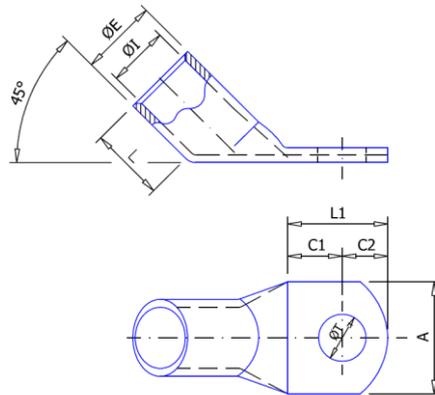
CE Marked in accordance with the requirements of the Low Voltage **Directive 2014/35/EU** of the European Parliament and of the Council on the harmonization of the laws of the Member States relating to the placing on the market of electrical material intended for use with certain voltage limits.



Mod. T-45°

Copper Terminals 45°

Dimensions:



| SEC. | REFERENCE MARKS | ØE | ØI | L | ØT | A | L1 | C1 | C2 |
|------|-----------------|------|------|------|------|------|------|------|------|
| 10 | T45°-10/6 | 6,8 | 4,7 | 10,0 | 6,4 | 11,9 | 13,0 | 7,0 | 6,0 |
| | T45°-10/8 | | | | 8,3 | 15,0 | 16,0 | 8,0 | 8,0 |
| 16 | T45°-16/6 | 7,8 | 5,6 | 11,0 | 6,4 | 11,9 | 13,0 | 7,0 | 6,0 |
| | T45°-16/8 | | | | 8,3 | 15,0 | 15,5 | 8,0 | 7,5 |
| 25 | T45°-25/8 | 9,4 | 7,1 | 13,0 | 8,3 | 15,0 | 16,0 | 8,5 | 7,5 |
| | T45°-25/10 | | | | 10,5 | 18,0 | 21,0 | 11,0 | 10,0 |
| 35 | T45°-35/8 | 11,3 | 8,7 | 16,0 | 8,3 | 15,7 | 17,0 | 9,0 | 8,0 |
| | T45°-35/10 | | | | 10,5 | 19,0 | 21,0 | 11,0 | 10,0 |
| 50 | T45°-50/10 | 12,6 | 9,8 | 19,0 | 10,5 | 20,0 | 21,0 | 11,0 | 10,0 |
| | T45°-50/12 | | | | 13,0 | 21,0 | 25,0 | 13,0 | 12,0 |
| 70 | T45°-70/10 | 14,7 | 11,5 | 21,0 | 10,5 | 21,5 | 21,0 | 11,0 | 10,0 |
| | T45°-70/12 | | | | 13,0 | | 23,0 | 12,0 | 11,0 |
| 95 | T45°-95/14 | 16,9 | 13,5 | 24,0 | 14,5 | 24,7 | 28,0 | 15,0 | 13,0 |
| | T45°-95/16 | | | | 16,5 | 27,0 | 31,0 | 16,0 | 15,0 |
| 120 | T45°-120/14 | 19,9 | 15,6 | 28,0 | 14,5 | 28,9 | 30,0 | 16,0 | 14,0 |
| | T45°-120/16 | | | | 16,5 | | 33,0 | 17,0 | 16,0 |
| 150 | T45°-150/14 | 20,9 | 16,5 | 32,0 | 14,5 | 30,4 | 34,0 | 18,0 | 16,0 |
| | T45°-150/16 | | | | 16,5 | | | | |
| 185 | T45°-185/16 | 23,7 | 18,8 | 34,0 | 16,5 | 34,0 | 35,0 | 18,0 | 17,0 |
| 240 | T45°-240/16 | 26,2 | 21,2 | 38,0 | 16,5 | 38,4 | 35,0 | 18,0 | 17,0 |