

# AL LUG 120MM<sup>2</sup> 12MM STUD CCT

Part Number: AL120-12-CCT



## Features

- Heavy duty with differing cross sections to normal lugs so that they match CCT cross sections
- Minimise conductor flashover - reduction in conductor spacing
- Capped and filled with jointing compound
- Crimp with standard hexagonal dies - from palm outwards
- Specially designed for CCT overhead conductors

## Product Description

### Aluminium CCT Lug

Designed for CCT (Covered Conductor Thick) Conductors, the CABAC range of Aluminium lugs are heavy-duty with thicker than normal barrels and are able to withstand fault current situations.

As with all CABAC Aluminium lugs this range is made by a forging process from solid 99.6% pure electrical grade Aluminium rod which eliminates any imperfections in the metal structure which are often found in cast Aluminium lugs. This improves the long term electrical reliability, elimination future hot joints. The lugs are tin plated to reduce corrosion, and improve crimping contact resistance. They are filled with jointing compound and capped.

In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where used, are not to scale. All dimensions are in millimetres and sizes given are approximate. Where possible, technical MSDS data sheets are made available on the website. All products should be installed and used in accordance with manufacturer's instructions provided. Warning: products may be the subject of registered designs and patents. Refer to website for terms and conditions on warranty.

Before crimping, the conductors should be scratch brushed and the lug should be crimped using standard hexagonal dies, crimping from the palm outwards to force jointing compound into the conductors.

### CCT Conductor Defined

CCT Conductor is an Aluminium stranded overhead conductor, with a grey bonded polyethylene covering. It is filled with a water blocking compound to restrict passage of water along the conductor between the strands if the outer covering is damaged. The water blocking minimises corrosion and maximises service life. The main advantage of CCT conductor is that it minimises flashover of conductors, and allows a reduction in the conductor spacing. This decreases the vegetation clearance space, and enhances the visual aspect of the line. Flashovers caused by wildlife, in particular possums, are reduced to a minimum. CCT is becoming a standard conductor system with many authorities.

CCT conductors have differing cross sections from normal conductors with nominal cross sections of 40, 80 and 180mm<sup>2</sup>.

## Standards and Compliance

AS/NZS4325 Part 1; IEC France; DIN/VDE Germany; JIS Japan; BS United Kingdom; UL/NEMA USA.

## Technical Data

Nominal Conductor (mm<sup>2</sup>): 120  
Stranding No./Dia.: 7/4.75  
Stud Size: 12

Conductive Material  
Aluminium 99.6% pure  
Tensile Strength 110 MPa  
Ductile Rating 28%  
Final Metal State Fully Annealed

Operating Temperature  
-20 to +140 deg C

Electrical Properties  
Resistivity 2.6 micro-ohm cm (max)  
Conductivity 61.8% IACS (min)

## Additional Information

### Certificate of Standards Conformity

[Download Certificate of Standards Conformity](#)

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## Line Drawing

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## Brochures

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