

# Pre-Insulated Bimetallic Lug

These pre-insulated bimetal lugs facilitate connections between LV-ABC cables and electrical equipment. The lugs feature clear markings to indicate crimping die size, sequence, conductor cross-sectional area, and stripping length.



## ADDITIONAL IMAGES



## Overview

### High-Performance Pre-Insulated Bimetallic Lugs

CPTAU pre-insulated bimetal lugs are engineered to provide a secure and reliable connection between LV-ABC cables and electrical equipment. Featuring a bimetallic design with high-purity copper and aluminum, these lugs prevent galvanic corrosion while ensuring optimal conductivity. The pre-insulated sheath is weather and UV resistant, making them ideal for demanding outdoor electrical power transmission and distribution systems.

## Technical Standards

### Compliance Standards

EN 50483-4, NF C 33-021

## Material Specifications

### Material Composition

- Copper (Cu) purity e 99.9%
- Aluminum (Al) purity e 99.5%
- Weather and UV resistant insulating sheath
- Pre-filled silicone grease for waterproofing

## Key Features

### Performance Features

- Watertight seal with elastomeric caps
- Clear markings for crimping die size and sequence
- Color-coded caps for easy conductor area identification
- Integrated stripping length indicators
- Bimetallic design to prevent galvanic corrosion

## Product Range & Dimensions

Type	Conductor Size (mm <sup>2</sup> )	Dimensions(mm)				Stud Size	Color Code	Pack (pcs)	Crimping Die
		L	d	D	B				
CPTAU16-10	16	65	5.3	16	20	M10	blue	120x4	E140
CPTAU25-12	25	88	6.5	20	24	M12	orange	60x4	E173
CPTAU35-12	35	88	7.9	20	24	M12	red	60x4	E173
CPTAU50-12	50	88	8.8	20	24	M12	yellow	60x4	E173
CPTAU54.6-12	54.6	88	10	20	24	M12	black	60x4	E173
CPTAU70-12	70	88	10.4	20	24	M12	white	60x4	E173
CPTAU95-12	95	88	12.3	20	24	M12	grey	60x4	E173
CPTAU120-12	120	102.5	14.2	25	30.5	M12	pink	40x4	E215
CPTAU150-12	150	102.5	15.5	25	30.5	M12	violet	40x4	E215

Detailed dimensional data and color coding for the CPTAU lug series.

### Technical Specifications by Model

Type	Conductor Size (mm <sup>2</sup> )	Stud Size	Color Code	Crimping Die
CPTAU16-10	16	M10	Blue	E140
CPTAU25-12	25	M12	Orange	E173
CPTAU35-12	35	M12	Red	E173
CPTAU50-12	50	M12	Yellow	E173
CPTAU54.6-12	54.6	M12	Black	E173
CPTAU70-12	70	M12	White	E173
CPTAU95-12	95	M12	Grey	E173
CPTAU120-12	120	M12	Pink	E215
CPTAU150-12	150	M12	Violet	E215

## Installation

### Preparation

Stripping of the cable insulation is required before insertion into the lug barrel. Ensure the correct crimping die is used as indicated by the markings on the insulating sheath.

## Quality Assurance

### Testing Verification

Watertightness Tested

### Waterproof Performance

Yes