

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 ²)	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 ²)	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