

# CAE

## Indoor and Outdoor Termination up to 36kV

- Fast, easy and safe to install
  - Universal solution for different cross-sections
    - Use of standard tools
    - Unlimited storage
  - Type tested according to CENELEC HD 629.1

Systems For Professionals

**CELLPACK**

Electrical Products

## Benefits begins by quality

Cable accessories are indispensable and determinant for the quality of an electrical distribution network. They must guarantee the same reliability as the cable itself. Due to the high costs incurred by the operation of medium voltage networks, failures must be avoided. Therefore it is of outmost importance to the electrical utilities to achieve an **easy, quick** and among all **safe** installation of cable accessories.

The Contrax terminations family is specially designed for a reliable connection of all screened medium voltage power cables up to 36kV. Since the main components of the termination are already integrated into one pre-moulded unit the numbers of parts to be installed are drastically reduced. Thanks to the compact design and construction, installation, transport and storage costs are saved.

### Advantages

- Easy, fast and safe to install
- Wide cross-section application range
- For press as well as mechanical cable lugs
- Compact construction
- Less components to install
- Unlimited storage
- Type Tested according to CENELEC HD 629.1

### Benefits

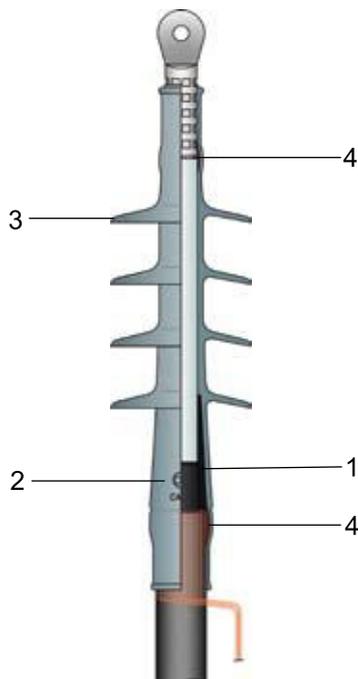
- Granted quality
- Network reliability
- Reduction of installation, transport and storage costs



### Termination Features

Contrax indoor terminations Type CAE-I or CAE-3I and outdoor terminations CAE-F or CAE-3F are conceived for the connection all kind of single or three-core medium voltage screened power cables with plastic insulation (EPR, PVC, XLPE) with different outer semi-conductive layer (graphitized, peelable or fully-bonded) as well as screen construction (copper band or wires) for a system voltage up to 36kV and for main cross- sections from 16 mm<sup>2</sup> to 800 mm<sup>2</sup>.

The core of the Contrax termination is based on the pre-moulded termination body made of flexible silicone rubber with integrated field control element gained through a controlled injection process.



### Main Components

1. Field control element (FSE)
2. Main insulation
3. Sheds
4. Sealant mastic





◀ The special silicone rubber composite used on all Contrax terminations is characterized for having excellent UV, Ozone and creepage current resistance performance demonstrated on the field for more than 20 years.

Through the excellent hydrophobic properties of the silicone rubber and thanks to the optimized compact design installation, transport and storage costs are saved. All terminations are designed to withstand severe weather conditions and fulfil all the requirements of VDE and the international standards IEC.



▶ The installation of the terminations is practically performed in one quick and easily slip-on step through a patented applicator. By this safely method of installation faulty cable preparation or false body positioning is avoided and the volume of potential installation defects is drastically reduced.

For the application in three-core cables a silicone spreader cap and tubes with integrated applicators are also provided.

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