

CAM

Contrax straight-through joints 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 utmost importance to the electrical utilities to achieve an **easy, quick** and among all **safe** installation of cable accessories.

The Contrax joints family is specially designed for a reliable connection of all screened medium voltage power cables up to 36kV. Since the main components of the joints 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 connectors
- Compact construction
- Less components to install
- Unlimited storage
- Electrically tested at the factory
- Type tested according to **CENELEC HD 629.1**

Benefits

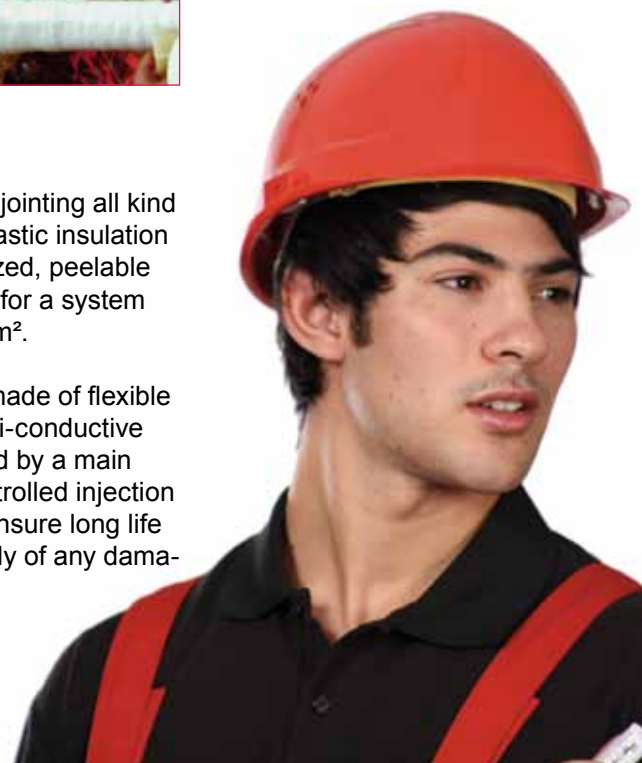
- Granted quality
- Network reliability
- Reduction of installation, transport and storage costs

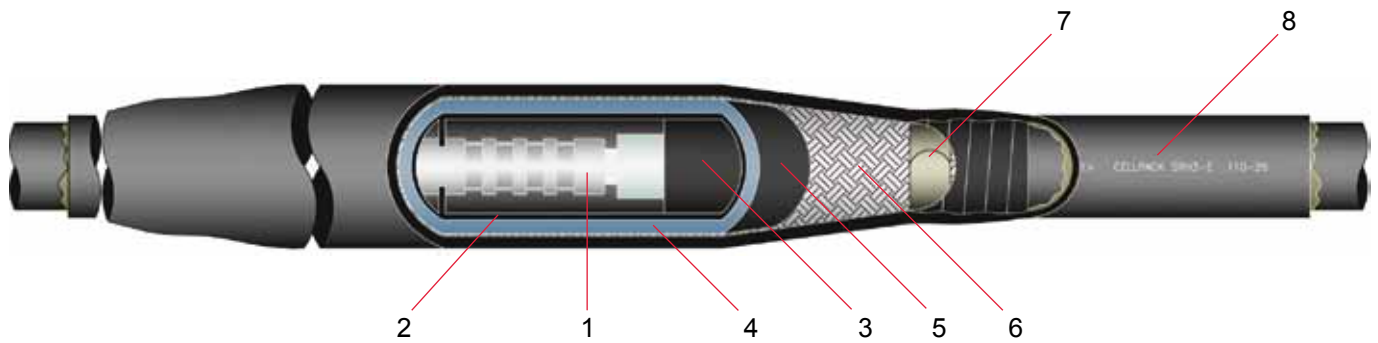


Joint Features

Contrax straight-through joint Type CAM and CAM3 are conceived for jointing 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 25mm² to 630 mm².

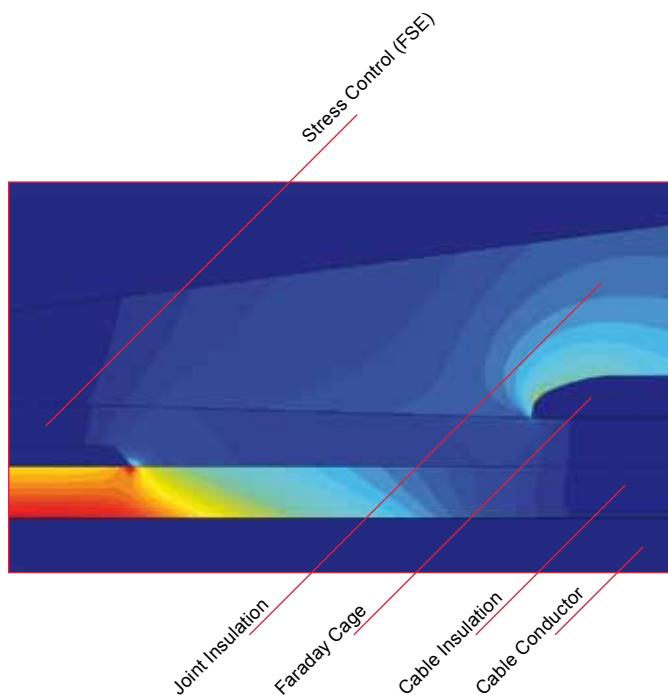
The core of the Contrax joint is based on the pre-moulded joint body made of flexible silicone rubber with excellent electrical resistance. It consists of a semi-conductive inner layer, which serves as a Faraday cage for the connector, followed by a main insulation and a semi-conductive outer sheath obtained through a controlled injection process. An intensive quality production process and electrical tests ensure long life reliability. To facilitate the installation, as well as to protect the joint body of any damage, an integrated slip-on applicator is pre-installed in our factory.





Main Components

1. Connector
2. Inner semi-conductive layer
3. Field control element (FSE)
4. Main insulation
5. Outer semi-conductive screen
6. Copper mesh
7. Contact pressure spring
8. Outer Protection



Electrical Field Cente in CAM Joint

The electrical field control at the edge of the outer semi-conductive layer of the cable is performed by slipping on the refractive stress control element (FSE) onto the prepared cable end.

Through the patented applicator, faulty cable preparation or joint body positioning are avoided and the volume of potential installation defects is drastically reduced.

A set of copper socks with contact roll springs gives the joint a universal screen continuity, for both copper wire or band cable screen, as well as armored and non-armored cables. The outer protection of the joint is performed by means of a heat-shrink thick wall tube with integrated melting sealant or by an inject system made of special tapes and cast-resin. Both systems offer an excellent water tightness and mechanical strength.



What makes the Contrax solution unique is that the same stress control element also reduces the electrical stress at the lips of the inner conductive layer onto the joint body.

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