



General

Tyco Electronics Energy Division is a reliable supplier for the High Voltage Networks. For many years The Energy division offers fittings for HV substations, HV surge arresters and HV overheadline components. Based on the success and skills gained over more than 40 years in supplying of cable accessories for Medium Voltage applications, Tyco Electronics Energy Division has extended its product offering of Terminations and Joints for voltage level up to 170 kV. Energy Division supports the trend of innovative customers to move away from Turn Key contracts to individual purchase of the major project components, civil works, installation, cable, joints and terminations.

Product Offering for High Voltage Cable Accessories

Based on the knowledge of Heat-shrinkable Polymer Technology and Silicone Moulding, combined with the experience of the long term material properties under electrical stress and environmental attack, the product offering up to 170 kV has been extended to:

- Outdoor Terminations, Composite and Dry Type
- Switchgear and Transformer Terminations with optional Corona Shield
- Inline and Shield break joints

Our cable accessories are suitable for all types of polymeric cable independent of the brand. Standard products are available for cross-section up to 1200 mm² and larger sizes upon request.

Technology

Pre-Moulded main Insulation

Push-on stress cone made of silicone rubber offers:

- wide application range
- easy installation, no pulling device required
- no hold out system required

Solderless connection Technology

Top bolts and connectors with shear-head bolts offer:

- no crimping tools required
- reproducible high electrical contact quality by preset shear-off torque
- suitable for all conductor material and design

Roll-spring or hose clips connection of Cable sheath / screen offers:

- no risk of cable damage
- fast installation
- easy adaptation to cable with two or more shield layers

Heat-shrink outer sealing system

Molecular crosslinked polymer with hotmelt and mastic coating offers:

- reliable sealing against moisture ingress
- mechanical protection of the joint body
- easy and well know installation

Basic Project Information

Minimum preliminary technical data and information must be collected to prepare a quotation.

For all applications:

- System Voltage
- Drawing of cable
- All cable parameters like conductor and screen material, conductor and screen cross section, conductor diameter etc.

In addition for:

Outdoor Composite and Dry Terminations

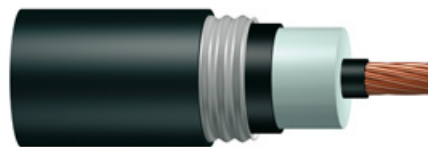
- Accessories Material, bus-bar or conductor

Switchgear and Transformer Terminations

- connection details, standard and type

Inline and Shield-break joints

- Length of cable line



Service and Strategy

Tyco Electronics Energy Division offers the High Voltage products designed, manufactured and factory tested in order to comply with quality request of international standards like IEC 60840, IEEE-48 and IEEE-404.

An engineering team provides support during the planning phase of a project. Field experienced Tyco employees and representatives support customers from the planning to the finalisation of projects.

Training for cable fitters can be provided in-house and on-site as well. For a customer either an installation or a supervising of the installation can be offered. Based on the field knowledge and customer's feedback products are continuously improving and additional new products are developed.

