



COMPLETE CONNECTIVITY FOR SUBSTATIONS

HIGH VOLTAGE COMPONENTS FOR
YOUR CRITICAL CONNECTIONS

THERE'S ONLY ONE NAME YOU NEED TO KNOW

TE Connectivity (TE) unites world-leading component brands under a single company. Individually, each has forged a reputation for innovation, reliable performance and ease of installation. Collectively, they assure you that TE delivers uncompromising performance for components throughout your substation project.

- **Bowthorpe EMP** Surge Arresters and Surge Counters
- **Raychem** MV and HV Cable Accessories, Insulators, Wildlife and Asset Protection
- **TE and Axicom** MV and HV Insulators and Bushings
- **SIMEL** Substation Connectors
- **TE and AMP** Grounding Connectors and Earthing Material



Raychem

SIMEL

Axicom

Bowthorpe EMP

EXPERIENCE AND EXPERTISE WHERE IT MATTERS MOST

More than 200 years of combined experience

The brands that make up TE's portfolio of high-voltage components represent more than two centuries of combined product line experience in power connectivity. This long-term track record, with projects all over the world, is united under a single company to provide you with a single source of supply.

Innovations in materials science

Continuous advances in materials and technology are the legacy of TE, and still the foundation. Today, more than 180 engineers focus solely on driving new advances in energy products. Among the groundbreaking developments created by TE engineers:

- Invention of heat shrink technology
- First use of silicone materials for hollow-core insulators
- Pre-spiraled heatshrinkable insulating tape that self bonds for long life but is easily removable
- Squirrel guards and insulating covers made of rugged, non-tracking, UV-resistant polymer

Global capabilities and investment

TE's global presence includes six high-voltage labs around the world dedicated to developing new products and tailored solutions for our customers. These global engineering capabilities feed a network of regional manufacturing centers, creating a reliable supply of components tested to major international and market-specific standards.



TE brings together such a unique set of solutions and capabilities. We give you a complete source of leading-edge components for the connections that feed your distribution and transmission systems, as well as the service and support to help you apply them.

ONE SOURCE FOR ALL OF YOUR CRITICAL SUBSTATION COMPONENTS

SURGE ARRESTERS

Choose from a family of surge arrester products from 3 kV – 800 kV, IEEE or IEC qualified, in porcelain or polymeric housings.

- Intermediate class arresters
- Station class arresters
- Transmission line arresters
- Surge counters
- Cable sheath surge arresters- CSPA range



SUBSTATION CONNECTORS

Draw upon our years of field experience in HV substations worldwide. Our engineers are here to help you specify the ideal product package.

- Clamps, connectors and corona rings for HVAC and HVDC up to 765 kV
- For wire and bus conductor
- Earthing and grounding connectors



INSULATORS

Turn to us to help you define needs and specify products to meet your application requirements, or to design highly customized solutions to meet specific mechanical requirements or environmental demands.

- Hollow-core composite insulators
- Suspension-tension insulators
- Disc insulators: glass and porcelain
- Station-post composite insulator





CABLE ACCESSORIES

Well known as a worldwide leader in heat shrink polymer based materials, TE is also a center of excellence for cold applied and resin technologies. Network owners know they are getting products with proven electrical and mechanical performance, while installers benefit from faster, safer and more cost-effective installation.

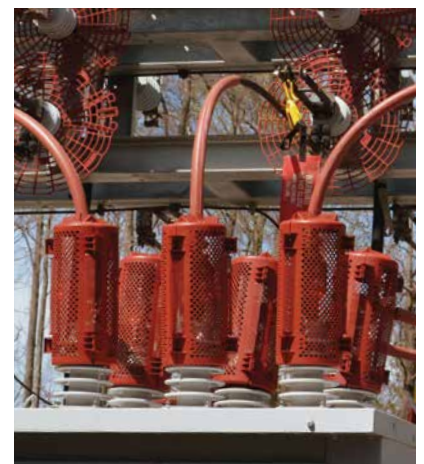
- Terminations and joints
- Link boxes
- Elbows
- Earthing and grounding systems
- Casting and potting resins
- And much more



WILDLIFE AND ASSET PROTECTION

Straightforward animal-mitigation solutions increase system reliability and protect expensive substation equipment, whether for new or existing builds.

- Busbar insulation, tubings, tapes and sheets
- Bushing and arrester covers
- Switch protection/squirrel guards
- Bus support covers
- Conductor and lead covers
- Insulator creepage extenders
- Custom application solutions



TOTAL SUPPORT FROM DESIGN THROUGH INSTALLATION

We back our products with the extensive experience and knowledge of a dedicated high-voltage support team. This commitment includes customer support available 24/7, technical expertise, application knowledge, installer training, engineering services and responsive support through sales representatives. Local support throughout the organization and throughout the world delivers the resources to assist your efforts.



Design assistance

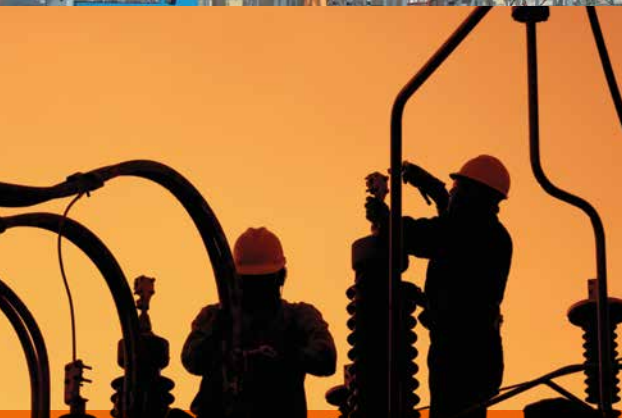
Customers turn to us at the design phase of projects to gain the benefit of our technical knowledge in substation interconnect. This includes matching components to environmental demands and assistance in calculating electrical and mechanical requirements.

Installation planning and execution

We can assist with project planning, including on-site visits to supervise the installation of our products. With quick turn on technical questions and support issues, you are assured of the reliability and ease of installation with all of our products.

Deep resources of a global company

Our responsive support comes with the backing of a global company that can take on the largest and most demanding projects. One company with deep technical resources and well established brands.



ENGINEERED FOR EXTREME ENVIRONMENTS

All of our substation products are tested to perform in some of the most extreme conditions on earth, including intense heat and cold, plus exposure to salt spray, windblown dust and pollutants.



TE Connectivity (NYSE: TEL) is a \$12 billion global technology leader. Our commitment to innovation enables advancements in transportation, industrial applications, medical technology, energy, data communications, and the home. TE's unmatched breadth of connectivity and sensor solutions, proven in the harshest of environments, helps build a safer, greener, smarter and more connected world. With 75,000 people – including more than 7,000 engineers – working alongside customers in nearly 150 countries, we help ensure that EVERY CONNECTION COUNTS – www.TE.com.

Generation

- Conventional Power
- Nuclear Power
- Wind/Solar
- Hydro-electric

Transmission & Distribution

- Substation
- Underground
- Overhead
- Street Lighting

Industry

- Mining
- Petrochemical
- Railway
- Shipbuilding

WHEREVER ELECTRICITY FLOWS, YOU'LL FIND TE ENERGY



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