



PIONEERS IN POWER DISTRIBUTION

SOLUTIONS UP TO 42 kV FOR
POWER DISTRIBUTION NETWORKS



With decades of experience, a broad portfolio of solutions and dedicated professionals across the globe, TE Connectivity (TE) enables the distribution of electricity worldwide.

But it's more than that. Electricity has the power to change everything.

It creates opportunity and sparks creativity. It transports us. It fosters industry and enlightens us. It transforms our world.

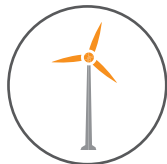
At TE, we don't simply support the flow of electricity, we enable the distribution of power.

COMPLETE CONNECTIVITY SOLUTIONS FOR POWER DISTRIBUTION

For more than 60 years, TE has supported the delivery of power through well-known product lines like Raychem, SIMEL and Bowthorpe EMP in a wide array of industries, applications and environments. With a proven track record of advanced materials, reliable performance, lower installation costs and technical support, TE provides solutions for energy utilities and industrial markets such as:

- Distribution Underground Networks
- Distribution Overhead Lines
- OEM Products (e.g. Switchgears, Transformers, Substations)

Industrial Applications:



Wind Energy



Mining



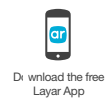
Marine and Offshore



Rail



Oil and Gas



THE LEADER IN CONNECTIVITY

From conventional energy networks to underground residential distribution to shipbuilding and offshore energy, the most innovative utilities and contractors partner with TE.

Our mission is to support you in solving your biggest challenges by providing more reliable connections, easier installation and operator safety, as well as stronger support and service capability for various applications including:

Underground Power Distribution

TE provides critical components for efficient, high-performing Low and Medium Voltage underground distribution networks in heat shrink, cold applied and resin technology.



Overhead Power Distribution

TE offers a wide range of high-performance and reliable products for overhead lines that optimize network efficiency.



Substations

TE has a reputation for innovation, reliable performance and easy installation in substation applications with a legacy of product lines globally known for quality and engineering excellence.



WITHSTANDING THE HARSHTEST ENVIRONMENTS

TE products are known for their high quality, electrical and mechanical reliability and resistance to weathering processes like pollution and contamination, high humidity, salt fog and other harsh environmental conditions.

Powering Extraordinary Customer Experiences

When you partner with TE, you are getting more than reliable products. You are getting local support, backed by the combined wisdom and global experience of more than 7,000 engineers.

The TE Advantage

As a leader in connectivity solutions, TE has over 60 years of experience in the most diverse industries and environments across the globe. From underground networks to harsh offshore applications, we create products designed to last a lifetime. These highly durable solutions are engineered to meet strict international standards and can be customized to meet specific customer needs.

20

TE engineers serve on international standards boards

180

engineers within TE Energy in product management and R&D

14

Centers of Excellence across the world



CENTERS OF EXCELLENCE

SOLVING CRITICAL BUSINESS AND TECHNICAL CHALLENGES

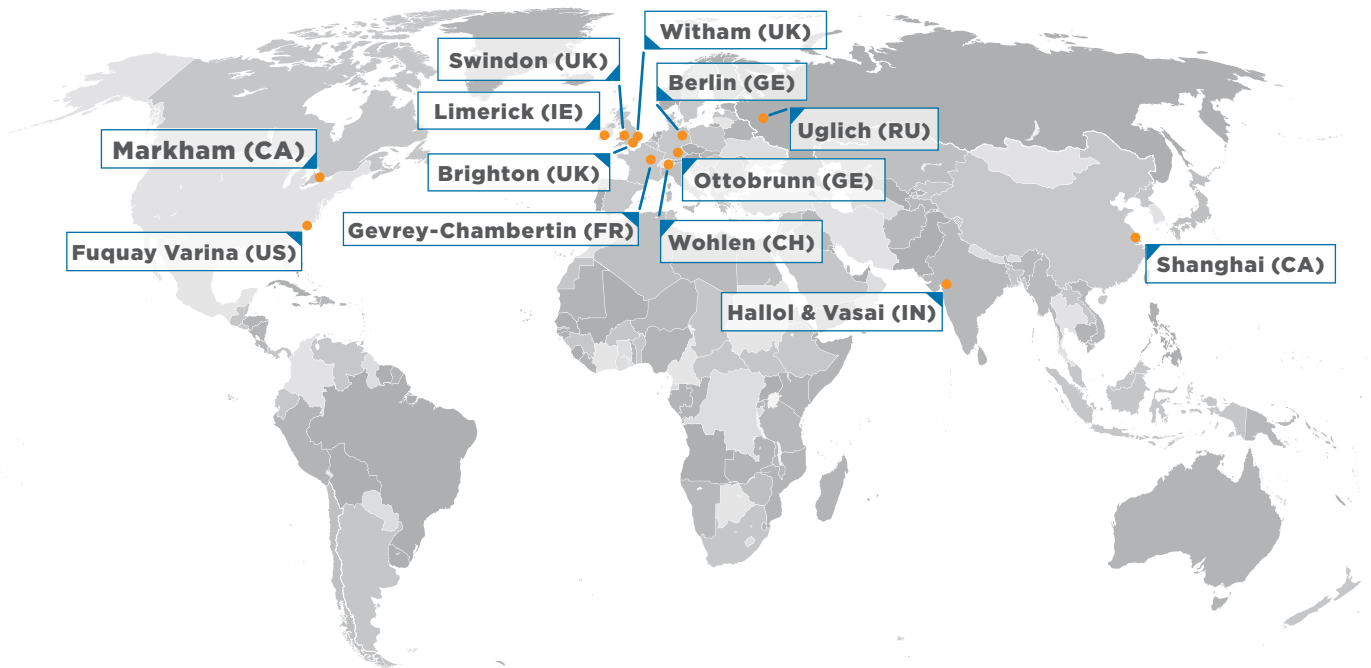
At TE we're not just concerned about today's energy needs - we're also making significant investments in new technologies and developing smart solutions to meet tomorrow's demands. As a technical partner to some of the world's largest utilities and organizations, we provide leading end-to-end support from material design and formulation to product development and installation.

We've created a culture of purposeful innovation, and operate Centers of Excellence (COEs) across the world. These scientific and engineering research facilities help us drive new advances in energy products. Power distribution products such as cable accessories, connectors and fittings, insulation and protection products, and surge arresters are also engineered, tested, and refined in state-of-the-art COEs.

Our Centers of Excellence test to the full range of specifications, including:

- Impulse level, particle discharge and other electrical parameters
- Environmental conditions
- Exposure to salt and humidity
- Pressure variations

Centers of Excellence Locations



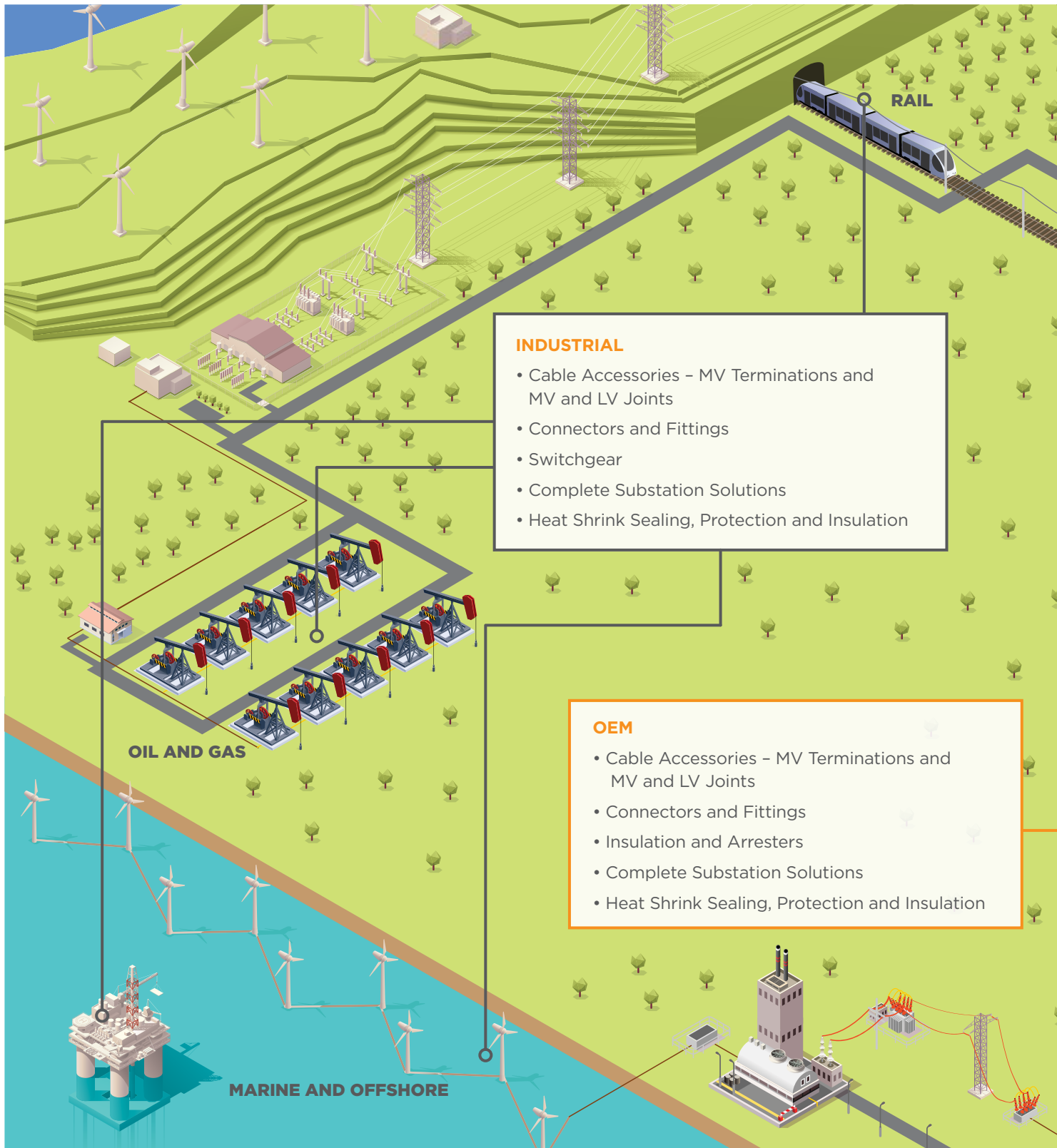


“With over 60 years of experience in power distribution, we offer comprehensive solutions to our customers’ challenges. These include a range of cable accessories, a wide portfolio of connectors and fittings for overhead and underground applications, solutions for overvoltage and wildlife protection. As a leading supplier of power distribution products, our goal is to increase network reliability and with that the value our clients provide to their end customers.”

— Dr. Frank Drumm, Director Product Management Power Distribution

Recently opened state of the art high voltage laboratory in Kunshan (China)

RELIABLE PERFORMANCE FOR ENABLING THE DISTRIBUTION OF ELECTRICITY WORLDWIDE

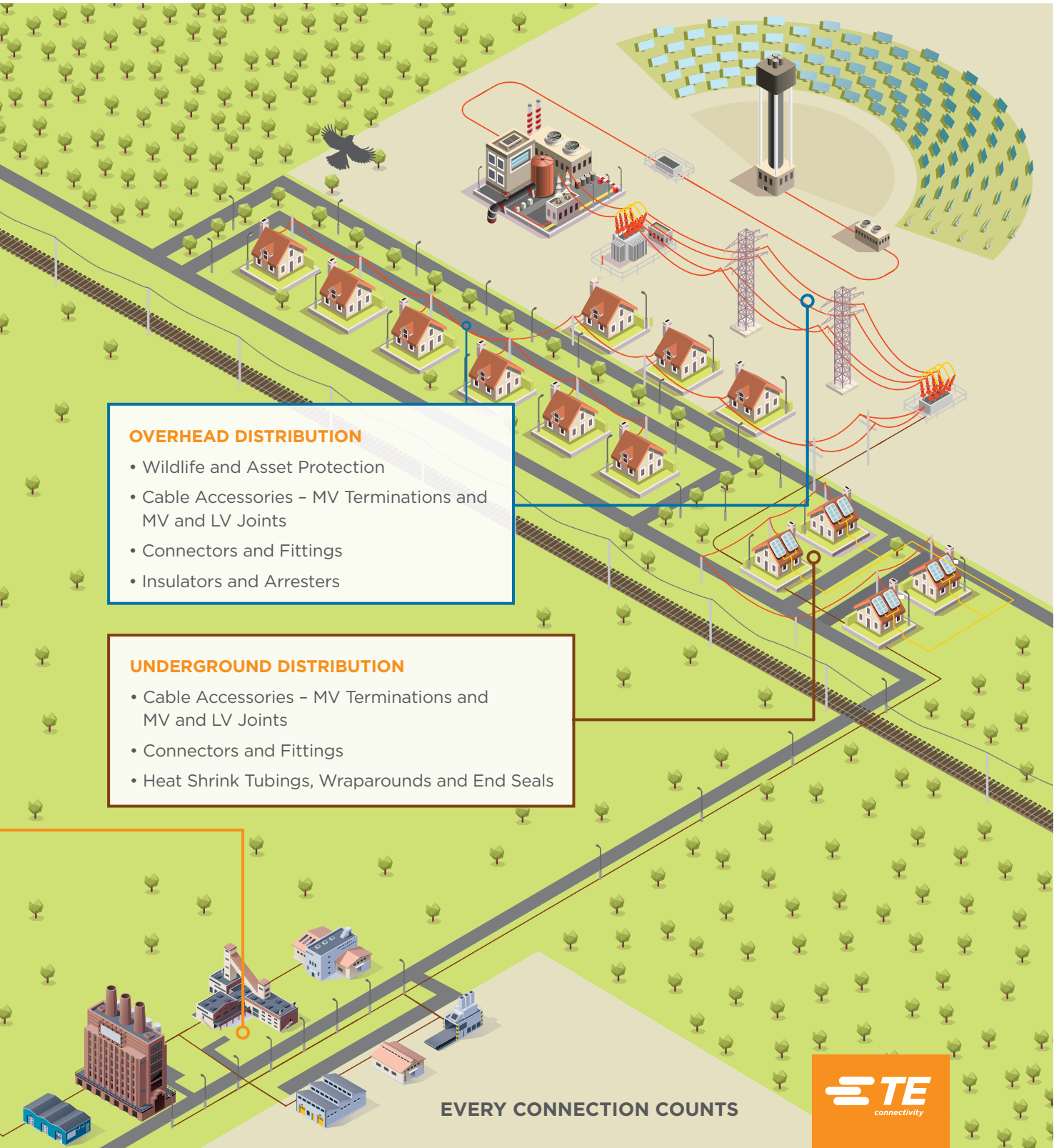


INDUSTRIAL

- Cable Accessories - MV Terminations and MV and LV Joints
- Connectors and Fittings
- Switchgear
- Complete Substation Solutions
- Heat Shrink Sealing, Protection and Insulation

OEM

- Cable Accessories - MV Terminations and MV and LV Joints
- Connectors and Fittings
- Insulation and Arresters
- Complete Substation Solutions
- Heat Shrink Sealing, Protection and Insulation



- OVERHEAD DISTRIBUTION**
- Wildlife and Asset Protection
 - Cable Accessories - MV Terminations and MV and LV Joints
 - Connectors and Fittings
 - Insulators and Arresters

- UNDERGROUND DISTRIBUTION**
- Cable Accessories - MV Terminations and MV and LV Joints
 - Connectors and Fittings
 - Heat Shrink Tubings, Wraparounds and End Seals

EVERY CONNECTION COUNTS



A ROBUST CABLE ACCESSORIES PORTFOLIO

In Medium and Low Voltage power distribution, cable accessories are the key to an efficient and high-performing network. TE serves its customers with premium products that are highly reliable, and designed to address the most challenging requirements while lasting for decades in a network, even in the harshest environmental conditions. To address power distribution challenges TE continues to develop its solutions portfolio.

TERMINATIONS AND JOINTS

MEDIUM VOLTAGE JOINTS

Most popular products and applications to join a variety of cable and conductors types:

- Inline joints
- Transition joints
- Trifurcating joints
- Repair joints
- Branch joints
- Live end seals

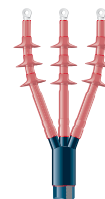


MXSU

MEDIUM VOLTAGE TERMINATIONS

Complete product line for single and three core cables as well as armored cables. Applications include termination of cables connecting:

- Transformers
- Switchgears
- Overhead lines
- Generators
- Motors
- Capacitors

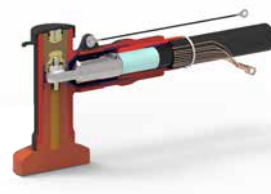


EPKT

MEDIUM VOLTAGE SWITCHGEAR CONNECT

Advanced switchgear connect platform provides one of the most compact and easiest to install outercone connectors in the market. The connector suitable for TYPE C bushings accruing EN50181 is used in applications such as:

- Substations
- Wind farms
- Solar farms
- Factories
- Railways
- Oil and Gas



RSTI

LOW VOLTAGE HEAT SHRINK JOINTS

Reduced complexity and optimized for standard and specialty applications up to 1 kV:

- Components and End Seals (102L, EPKE)
- Think wall tubing for better mechanical protection, safety and increased lifetime (WCSM)
- Inline joints for plastic cables (LJSM)
- Transition joints to connect paper with plastic cables (LJTM)
- Joints for fire resistant cables



LJSM

CONNECTORS AND FITTINGS

SHEARBOLT CONNECTORS

Mechanical connectors for Low and Medium Voltage applications up to 42 kV:

- Underground cables



BSM

INSULATION PIERCING CONNECTORS

Complete range of connectors for Low and Medium Voltage applications, designed to connect insulated cable without stripping of the insulation. Applications include:

- LV ABC lines
- Tunnel lighting applications
- Street lighting connections
- Medium Voltage covered lines



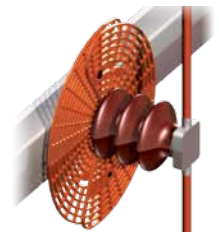
P2X95 Mk2

INSULATION AND PROTECTION

WILDLIFE AND ASSET PROTECTION

Proven, easy-to-install solutions to protect against outages caused by birds, animals, and weather-related damage:

- Heat Shrink tubing for busbars
- Bird caps for crossarms and poletop insulators
- Squirrel guards and BCIC's for substation equipment
- MVLC for overhead lines

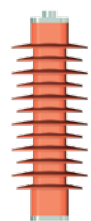


BISG

MEDIUM VOLTAGE SURGE ARRESTERS

Protection from lightning and switching surge related over-voltage in both outdoor and indoor applications include:

- Medium Voltage networks and equipments
- Cable terminations
- Transformers
- Other sensitive equipment



HDA SERIES

MEDIUM VOLTAGE INSULATORS

Complete range of polymeric, porcelain and hybrid insulators. For decades these products have demonstrated reliable performance in various types of applications:

- Substation
- Industrial
- Rail



F-Neck Line Post Insulator

TE Connectivity (NYSE: TEL) is a \$12 billion global technology leader. Our connectivity and sensor solutions are essential in today's increasingly connected world. We collaborate with engineers to transform their concepts into creations - redefining what's possible using intelligent, efficient and high-performing TE products and solutions proven in harsh environments. Our 72,000 people, including 7,000 design engineers, partner with customers in close to 150 countries across a wide range of industries. We believe EVERY CONNECTION COUNTS - www.TE.com.

- Mining
- Nuclear power plants
- OEMs
- Overhead distribution
- Petrochemical plants
- Railways
- Street lighting
- Substations
- Transmission lines
- Underground distribution
- Windfarms
- Solar
- Hydro-electric

WHEREVER ELECTRICITY FLOWS, YOU'LL FIND TE ENERGY



te.com/energy

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