



MINING SOLUTIONS

RUGGEDIZED HIGH PERFORMANCE PRODUCTS



“TE Connectivity (TE) offers a wide range of reliable and cost-effective products for the electrical power industry. Our position as a leading supplier of electrical components enables us to design next-generation products. For over 60 years, we have worked closely with our customers around the globe to develop innovative solutions to ever-changing challenges.”

INNOVATIVE POWER CONNECTIVITY FOR RELIABLE MINING

The mining industry faces the ever increasing challenge of ensuring superior electrical and mechanical performance and the longevity of cable accessory products under harsh conditions. Selecting the right product not only provides a reliable electrical system but reduces operating costs.

Our Raychem products are well suited to mining environments. They deliver proven value and performance and increasingly flexible solutions for mining applications.

We are especially well-known for Raychem material science capabilities, including radiation crosslinking – a technology which makes our cable accessory products highly durable, mechanically tough and able to withstand extreme temperatures and harsh conditions.

Capabilities

With our world-class materials science technology and other core capabilities, we are a market leader in providing innovative and optimized component design, no matter what the technology challenge. Our solutions and products are designed for new mine industrial construction projects, as well as existing mines seeking a more comprehensive and reliable product offering for maintenance and repair purposes.

TE offers a full range of mining power connectivity solutions:

- Motor Connection Kits
- Flexible Cable Accessories
- Splices and Terminations
- Insulators
- Lightning Arresters
- Terminals and Connectors
- Asset and Wildlife Protection Products



We are one connectivity partner offering a wide breadth of high-quality mining products that address the mine electrical infrastructure.



1

FLEXIBLE CABLE ACCESSORIES

Our Raychem heavy duty splices, terminations, jacket repair and other high performance solutions for trailing cables up to 25 kV. Joint system is slim and flexible enough to allow spooling of the cable. Quick to install, resistant to aggressive liquids and to mechanical pressure.



5

IDENTIFICATION PRODUCTS

Wire markers, labels, software and printers to identify control and power cables. Tested and manufactured with high quality materials and production processes to maintain legibility in aggressive environmental conditions.



2

STANDARD MEDIUM VOLTAGE CABLE ACCESSORIES

Our Raychem heat shrink and cold applied splices, terminations and screened elbows up to 35 kV, designed to withstand environmental extremes and high pollution levels over long operating lifetimes, and help maintain service reliability in both overhead and underground installations.



6

MOTOR CONNECTION KITS

Designed for making fast and reliable connections to motor terminal boxes; heat shrink and cold applied gel filled insulation for 600V to 8 kV.



3

HIGH VOLTAGE PRODUCTS

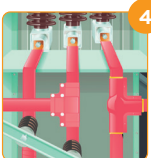
Our Raychem terminations, plug-ins and splices for HV cables, polymeric and porcelain distribution and station class insulators and arresters for systems up to 800 kV; developed for long-term operation in most severe conditions.



7

TERMINALS AND CONNECTORS

Full line of compression, shear bolt and wedge connectors for low, medium and high voltage underground and overhead networks, substations and grounding applications.



4

ASSET & WILDLIFE PROTECTION

Insulation enhancement systems for substations and overhead lines. Designed to prevent unplanned outages due to accidental bridging and to help upgrade insulation levels at critical points.



8

CABLE PREPARATION AND HANDLING TOOLS

Crimping, cutting and stripping, manual, hydraulic and electric powered tools designed for fast and easy cable preparation and handling.

Access our complete product catalog, along with data sheets, specifications and many other resources at

TE.com/energy

SOLVING THE TOUGH ISSUES FOR MINING APPLICATIONS

We help you boost performance and increase reliability in one of the toughest applications on Earth.

For today's advanced, demanding mining environments, we have developed products that offer increased control, safety and performance.

Customers can count on high quality products, driven by our proven innovation and backed by our extraordinary customer support.



KEY BENEFITS

- RELIABLE POWER CONNECTIVITY
- MECHANICAL AND ENVIRONMENTAL ROBUSTNESS
- ONSITE TRAINING
- EXTENSIVE PRODUCT PORTFOLIO
- INNOVATIVE SOLUTIONS



One Connectivity Partner

We are an industry leader in innovation by bringing together expertise in materials, processes, testing and manufacturing. Our engineers thoroughly understand industry standards and regulations, from adherence to stringent mining specifications or calls for rugged solutions built for harsh applications.

In addition, our Field Service Team provides a world-class support system. Our team supports customers seeking guidance from design integration to onsite training to field supervision.

For more information on our high-performance mining solutions or to connect with a TE expert, visit [TE.com/mining](https://www.te.com/mining).

TE Connectivity is a global industrial technology leader creating a safer, sustainable, productive and connected future. Our broad range of connectivity and sensor solutions, proven in the harshest environments, enable advancements in transportation, industrial applications, medical technology, energy, data communications and the home. With approximately 80,000 employees, including more than 7,500 engineers, working alongside customers in approximately 140 countries, TE ensures that EVERY CONNECTION COUNTS.

Learn more: [TE.com/mining](https://www.te.com/mining)

Connect with us: [TE.com/energy-contact](https://www.te.com/energy-contact)

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