Together, two long-standing innovators — General Cable & Dow E&T — are committed to providing continuous improvement and valued solutions to utility customers. The Power of Dow Inside combines General Cable’s exceptional cable manufacturing capabilities and experience with market-leading insulation materials. This powerful alliance brings innovative solutions to the industry built on long-term performance, sustainable reliability and dependable service.

**SPECIFY EmPowr® Link**

medium-voltage enhanced TRXLPE underground cable TODAY for your NEW STANDARD of reliability and asset management, bringing satisfaction to all your stakeholders.

General Cable

General Cable, a Fortune 500 company, is one of the world’s leading manufacturers of cabling solutions for the energy market and the largest medium-voltage cable supplier in North America. General Cable is committed to producing and marketing solutions using environmentally sound materials and production processes to ensure they have the least possible environmental impact while providing unmatched reliability. You can count on the distinguished pedigree of leadership from General Cable to lead the utility industry into the 21st century and beyond.

- Recognized leading provider of material science and technology solutions
- Long-standing innovative utility partner for more than 100 years
- Innovative cable technology backed by years of superior R&D and industry-recognized test capabilities

Dow E&T

Dow Electrical & Telecommunications (Dow E&T), a business unit of The Dow Chemical Company, is a leading provider of the technology that sets standards for reliability, longevity and efficiency that the utility industry can count on in the distribution of power. Operating on the premise that not all cables are created equal, Dow E&T focuses on ensuring that their material meets the specific processing and performance requirements of next-generation cable.

- Recognized leading provider of material science and technology solutions
- Dedicated technology centers around the globe supported by extensive R&D and testing capabilities
- Enhanced material innovation for improved reliability at lower cost of ownership over the lifetime of the system
- Systems approach to cable construction consistency reaches new levels of performance
- Proven ability to exceed industry standards and provide processing and performance requirements
- Continuous evaluation and material development to respond to industry trends

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General Cable's medium-voltage TRXLPE insulated cables offer customers exceptional cable solutions for maximum reliability and service life. Now, with the Power of Dow Inside—using the most advanced TRXLPE insulation—BICC® Brand EmPower Link® offers an enhanced level of performance backed by leading suppliers. The General Cable - Dow alliance combines advanced materials with quality manufacturing to produce cables that meet or exceed stringent industry standards and specifications for even longer service life and enhanced reliability.

Enhanced EmPower Link®
- Provides improved water tree retardant technology for extended cable life in wet environments
- Offers enhanced wet aged dielectric performance as clearly proven by Time-To-Failure Accelerated Cable Life Testing (ACLT)
- Utilizes advanced performance DOW ENDURANCE™ HFDC-4202 EC (next-generation insulation) compound coupled with General Cable's highly advanced conductor and insulation shields and a variety of shielding and jacket options, offering utilities the most advanced medium-voltage cable design available today. These components PLUS combined processing capabilities and know-how from the industry leaders are what differentiates our medium-voltage TRXLPE cable from all the rest — providing lower operational costs with an expected lifespan well in excess of 40 years.

The growing need for quality, uninterrupted and reliable power in the face of an aging infrastructure has the utility industry demanding efficient underground cabling solutions that extend the life of the power system and ensure consistent reliability over time. But utilities cannot achieve this goal on their own — they need sustainable, innovative partners. Recognized and acknowledged as industry-leading suppliers, General Cable and Dow Electrical & Telecommunications (Dow E&T) are committed to providing continuous improvement and delivering highly valued cabling solutions for the evolving system requirements of the power distribution industry.

EmPowers® Link® enhanced medium-voltage Tree-Retardant Cross-linked Polyethylene (TRXLPE) underground cable offers a new level of performance and reliability for long-term value — providing an opportunity to lower the total cost of ownership over the lifetime of your power distribution system.
Small Change – Tangible Results

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As the largest producer of medium-voltage TRXLPE underground cables, General Cable strongly recommends that you specify the following advanced technologies relative to the insulation/semiconducting shield material and handling, insulation inspection and cable manufacturing with no exceptions, to ensure even longer service life and enhanced reliability:

- State-of-the-Art Manufacturing Technology: Delivers best-in-class cable assets
- State-of-the-Art Compressed Process Controls: Ensures high process capability and provides a cleaner, defect-free insulation surface
- 100% new generation optical polarimetric testing of TRXLPE insulation prior to cable extrusion
- Tree Triple Extreme Dry Cure Technology: Applies all three layers through a single extrusion head, eliminating exposure to contamination and providing maximum control and consistency
- Dry cure ensures internal moisture ingress

Take a Closer Look at Unparalleled Reliability

EmPower® Link® utilizes advanced performance DOW ENDURANCE™ HFDC-4202 EC (next-generation insulation) compound coupled with General Cable’s highly advanced conductor and insulation shields and a variety of shielding and jacket options, offering utilities the most advanced medium-voltage cable design available today. These components PLUS combined processing capabilities and know-how from the industry leaders are what differentiates our medium-voltage TRXLPE cable from all the rest — providing lower operational costs with an expected lifespan well in excess of 40 years.

Conductor

- STRANDFULL®: Filletting the conductor strands prevents the ingress of moisture and extends cable life. An ASTM in comparative AGL data for ALPE, keeping the conductor interstices dry significantly increases retained breakdown strength. Conductors available in aluminum or copper, as well as solid, compressed stranded or compact stranded designs.

Insulation Shield

- Easy-stripping insulation should leave a cleaner, defect-free insulation surface for splicing and terminating across indoor and outdoor temperatures.

Jacket

- LDDPE or EMXLPE extruded - all jacket provides excellent physical protection and reduces concentric neutral corrosion and moisture ingress. Jackets also available with PVC or Polyethylene compositions, water-blocking components, and overlaying designs to meet specific needs.

Concentric Neutral

- Easy to install and connect round wire or flat strip copper concentric neutral designs to provide the necessary grounding and current-carrying capacity required for the application. Alternative Longitudinally Applied Corrugated Tape (LACT), helical tape or round wire copper shielded power designs available to meet specific needs.

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- Recognized leading provider of material science and technology solutions
- Long-standing innovative utility partner for more than 100 years
- Innovative cable technology backed by years of superior R&D and industry-recognized test capabilities
- Consistent delivery of performing products with proven quality and long-term reliability
- Fully integrated approach to maximize service over the life of your cable assets
- Improved sustainability with optimal efficiency and environmentally friendly processes
- Systems approach to cable construction consistently reaches new levels of performance
- Proven ability to exceed industry standards and specific processing and performance requirements
- Continuous evaluation and material development to respond to industry trends

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