

EmPowr[®] Link⁺

Setting a NEW STANDARD
for reliability and asset management





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.

EmPowr® 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.

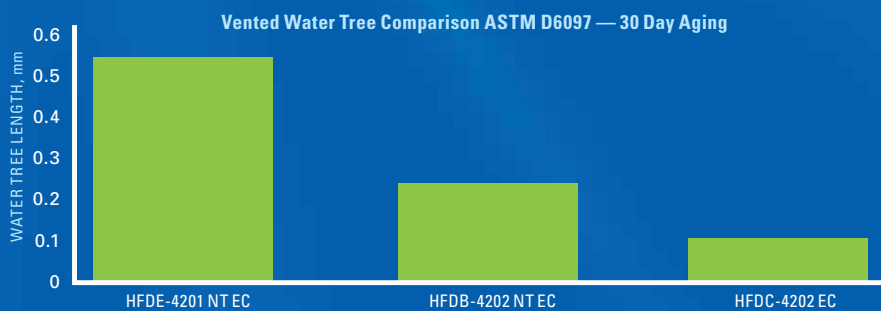


Small Change – Tangible Results

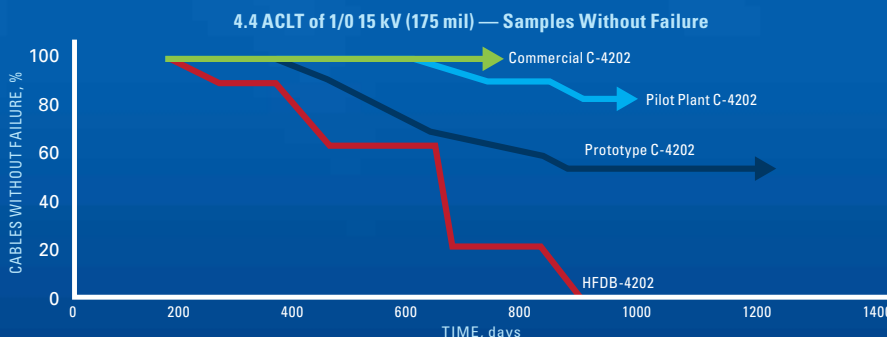
General Cable’s medium-voltage TRXLPE insulated cables offer customers exceptional cable solutions for maximum reliability and service life. Now, with the **Power of Dow Inside** — using the most advanced TRXLPE insulation — BICC® Brand *EmPowr Link+* offers an enhanced level of performance backed by 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 *EmPowr 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)



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	Benefits / Results
Class 10,000 clean rooms and fully enclosed material handling using dedicated air transport systems	Maintains compound integrity by minimizing exposure to failure-causing contamination — from receiving to storage to extrusion
100% new-generation optical pellet inspection of TRXLPE insulation just prior to cable extrusion	Continuously inspects and removes contamination that could go undetected by conventional random sample testing
True Triple Extrusion Dry Cure Technology	Applies all three core layers through a single extrusion head, eliminating exposure to contamination and providing maximum control and consistency. Dry cure ensures minimal moisture ingress.
State-of-the-Art Computerized Process Controls	Ensures high process capability and provides a complete documentation of production history to help ensure consistent quality and reliability

Take a Closer Look at Unparalleled Reliability

EmPowr® 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:

STRANDFILL® - Filling the conductor strands prevents the ingress of moisture and extends cable life. As shown in comparative ACLT data for XLPE, 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 shield leaves a cleaner, defect-free insulation surface for splicing and terminating across broad temperature ranges.

Jacket:

LLDPE or CL™ XLPE extruded- to-fill jacket provides excellent physical protection and reduces concentric neutral corrosion and moisture ingress. Jackets also available with PVC or Polypropylene compounds, water-blocking components, and overlaying designs to meet specific needs.

Conductor Shield:

Smooth, clean shield compound minimizes irregularities for a more uniform interface with the insulation, resulting in reduced electrical stress and increased cable life. Available with supersmooth or conventional conductor shield compounds.

TRXLPE Insulation:

DOW ENDURANCE™ HFDC-4202 EC enhances dielectric performance under wet electrical aging for retention of electrical strength, while offering improved tree retardant technology.

Concentric Neutral:

Easy to install and connect round wire or flat strap 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.





A Powerful Alliance

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
- 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

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 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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Form No. UTY-0054-1212
42861

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