

> Indianapolis Technology Center

A Commitment to Advancing Cable Technology

The demands, technologies and global economies of our customers are changing at an incredible pace. New and more reliable cable products are needed to meet the more rigorous requirements of today's utility, industrial and specialty applications. General Cable, for over a century, has taken a fully integrated approach to providing quality cables with maximum service life and superior performance—while at the same time maintaining cost effectiveness. Supporting you, our customer, with innovative cable products begins with superior materials.

Advanced Material Development for Superior Performance

General Cable addresses this challenge for cable technology advancement through its Indianapolis Technology Center, the heart of progress. This facility provides the foundation for extensive research and development efforts in the wire and cable industry. The Indianapolis Technology Center combines advanced materials development, process technology and complete electrical testing with a highly qualified team of engineers and scientists, with the sole mission to comprehensively meet the changing needs of our customers. These products provide unmatched reliability and incorporate environmentally sound materials and production processes.

Proven Results

Pilot Production Facility

General Cable is unique among its peers in that it has a fully dedicated pilot production facility. This equipment allows research and development scientists, engineers and manufacturing professionals to work together to design, manufacture and test new power, control, medium- and high-voltage cable designs.

Research & Development Laboratory

General Cable's commitment to advanced cable technology extends itself into a 50,000 square foot state-of-the-art laboratory. Comprehensive testing of materials includes the latest laser-based shield smoothness assessment as well as rheological and thermal analysis. Advanced physical, mechanical and electrical testing completes characterization and performance analysis. The results—the next generation of insulation and shielding materials that continue to set the standard of purity, surface smoothness, uniformity and performance.

Electrical Testing Centers

At General Cable's industry-leading engineering and testing centers, we analyze and evaluate the performance of advanced materials and cable designs for medium- and high-voltage applications. This facility is equipped with specialized laboratories where a full spectrum of qualification testing is conducted simultaneously to accelerate development of new advanced cable designs and provide improved customer response. Plus, it allows us to rapidly react to changes in customer specifications.

Technical Services

A technical service team uses the state-of-the-art Indianapolis Technology Center laboratory and cable experts, together with a network of outside laboratories and universities, to solve the toughest manufacturing and quality problems.



Distinguished Pedigree of Leadership

Medium- and High-Voltage Semi-Conductive Shield Materials

General Cable is a leader in strippable shield materials for TRXLPE and EPR cables, and has developed advanced conductor shielding materials that extend the life of power cables.

Medium-Voltage Cable Insulation

General Cable continually explores new polymers, additives and formulations to increase the life and expand the operating limits of power cable materials.

Fire-Retardant and Halogen-Free Cable Compounds

General Cable is dedicated to expanding the range and performance of flame-retardant and low-smoke generation cable materials.

Compounds for Specialty Cables

General Cable is a leader in technologically advanced cables for military applications. We call upon years of component, process and application experience during the development of a unique range of high performance cables for mining, industrial, transit and nuclear specialty cables.



Setting Tomorrow's Standards

Equipped to create the next generation of cable technology, General Cable assures timely commercialization of long-life wire and cable products to support the future growth of our customers. This is accomplished through the strong, long-term commitment of financial and manpower resources.



General Cable's Commitment to Advancing Cable Technology...

- *Cost-effective materials*
- *Manufacturing technology improvements*
- *Faster and more focused product development*

What else would you expect from a leader in the wire and cable industry?

Contacts:

Perry Marteny

Director of Research and Development
7920 Rockville Rd
Indianapolis, IN 46214
317.273.2902

Mark Easter

Marketing Manager
7920 Rockville Rd
Indianapolis, IN 46214
317.273.2944

www.generalcable.com

Form No. UTY-0035-0405

