



# Wire Harnesses & Assemblies

Your single source for custom wire, harnesses and assemblies designed to meet your exact specifications and our high standards.



## A One-Stop Shop – Vertical Integration

As a leading manufacturer of wire and cable, we are able to vertically integrate our diverse product lines and capabilities to design and develop application-specific cables into your connectorized solutions. This enables us to control cost, lead time, specifications and supply in order to better meet your needs. From the basics of simple cutting, stripping, terminating and marking to custom shielding, sonic welding, PCB connectorization and over-molding—we do it better!

### Our technical capabilities include:

#### Harnesses:

- Hot stamp circuit print
- Inkjet circuit print
- Braided sleeve
- Ultrasonic welding (splice)

#### Assemblies:

- Battery/automotive power
- Circular/MIL-SPEC
- RJ45 Ethernet/D-sub cables
- Audio/video/coaxial cables
- Plastic fiber optic
- Over-molding thermoplastic and thermoset materials

**We manufacture a diverse portfolio of wire and cable**, from energy and industrial to data communications and fiber optic, and everything in between. Integrating our world-class products allows us to better manage the entire supply chain to manage ever-changing raw material costs, lead times and inventory – to not only meet but exceed your expectations.

**We have extensive wire and cable testing capabilities** – equipment to perform a vast array of electrical, mechanical, environmental and dimensional tests to ensure that our products meet the industry’s highest standards.

## Superior Manufacturing & Efficiency

All of General Cable’s specialty harnesses and assemblies are manufactured at our locations in Piedras Negras, Mexico and Altoona, Pennsylvania. Both facilities have won INDUSTRYWEEK’s Best Plants Award for their efficient and superior quality operations and meet the industry’s highest standards. The experienced associates at both locations are committed to safety, quality, service and continuous improvement.

- Our newly constructed 75,000-square-foot facility in Piedras Negras, Mexico features a lean, flexible manufacturing environment suited for highly complex assemblies at very competitive costs.
- Our Altoona location allows us to accommodate higher volume, lower mix needs and “Buy American” requirements.
- Our team will implement inventory control plans as required by our customers.



## World-Class Service & Support from Our Greatest Asset – Our People

We offer our customers all the strengths and value of a large company, but our people give us the agility and responsiveness of a small one. Our team works side-by-side with customers to design innovative, cost-effective solutions that meet exact specifications while providing value-added services. Backed by an organization that is flexible and responsive with a commitment to maintaining lasting customer relationships, you can count on General Cable for superior service and support. You'll find dedicated professionals with the savvy to know the vital importance of customer satisfaction and the experience and know-how to achieve it. Our people may come to work for us, but on the job, they work for you.

- **Co-development of engineering cable content**
- **Engineering and design team that is flexible in supporting customers' needs**
- **Experienced manufacturing workforce with manual and machine operation expertise**
- **Culture of continuous improvement, safety and Lean/Six Sigma manufacturing practices**
- **Efficient online order management capabilities such as Electronic Data Interchange (EDI) systems**
- **Expertise in project management**

## Custom Design & Commitment to Quality

General Cable provides customers with unique turn-key solutions of the highest quality possible. Our products and services are used for applications in fields where there is no room for error – from surgical and military equipment to locomotives. Our customers have specifications that only the strongest and most ethical companies are able to meet, and our production facilities are designed and equipped to meet the most rigorous performance standards. Our manufacturing facility in Piedras Negras, Mexico has a dedicated prototype shop to provide quick turnaround and design support.

- Our product certifications and qualifications include: IPC/WHMA-A-620, IPC J-STD-001; ISO 13485: 2003, ISO 9001: 2008; UL/CSA; TIA/EIA/IEEE; IRIS; ITAR; and ATEX
- Products are compliant with RoHS and REACH
- Can meet “Buy American” production requirements
- Industries served include: medical, transit, mining, construction, agriculture, specialty vehicle, military, power & renewable energy
- 100% Hipot Continuity Testing
- Utilize *EPLAN Harness proD* Electrical Engineering Software, which allows us to reduce design time and quickly incorporate engineering changes:
  - Integrated test and control functions
  - Wire harness design in 3D/2D
  - Import of 3D/2D environmental models
  - Derivation of production blueprints





## One Company – Connecting the World

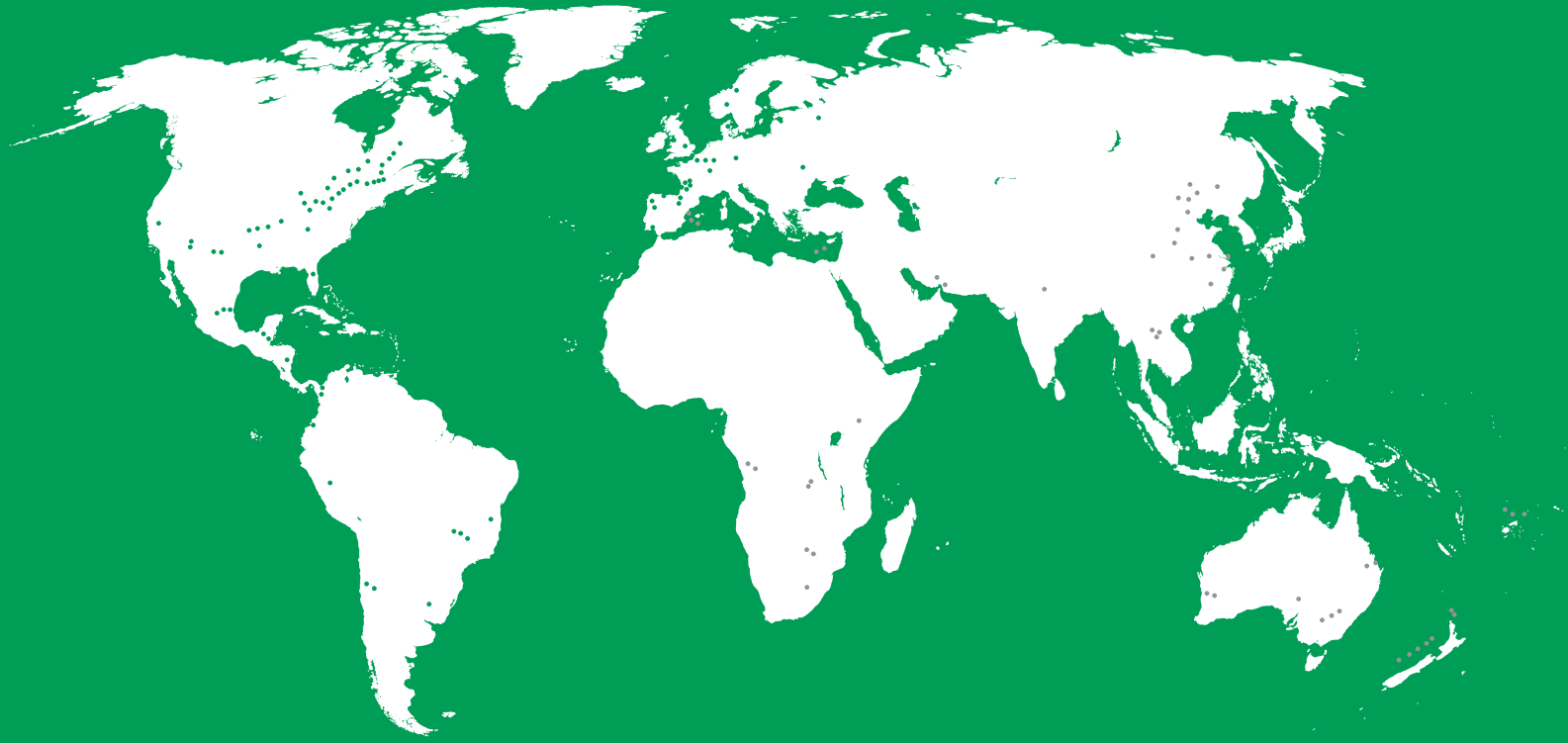
General Cable has been a wire and cable innovator for over 170 years, always dedicated to connecting and powering people's lives. Today, with approximately 13,000 employees and approaching \$6 billion in revenues, we are one of the largest wire and cable manufacturers in the world. Our company serves customers through a network of 38 manufacturing facilities in our core markets and has worldwide sales representation and distribution. We are dedicated to the production of high-quality aluminum, copper and fiber optic wire and cable and systems solutions for the energy, construction, industrial and communications markets and various specialty sectors. At General Cable, we maintain our leading market position with strong brands, advanced technology, Lean manufacturing and Six Sigma tools, and a relentless pursuit of perfect quality and customer service.

## Single-Source Solutions for OEM Applications

To complement our vast portfolio of products with thousands of diverse application requirements, General Cable also maintains a wide range of value-added assembly and specialty wire harness capabilities to service the unique needs of OEM customers. From cable assemblies to simple or complex wire harnesses, General Cable's products serve a broad variety of markets, including medical, transit, military, specialty vehicles and industrial machinery. We offer a one-stop shop for highly engineered "turn-key" designed cable & assembly solutions.



## Global Reach



General Cable, a leading wire and cable innovator for over 170 years, serves customers through a global network of manufacturing facilities in our core markets and has worldwide sales representation and distribution. The Company is dedicated to the production of high-quality aluminum, copper and fiber optic wire and cable and systems solutions for the energy, construction, industrial, specialty and communications sectors. In addition to our strong brand recognition and strengths in technology and manufacturing, General Cable is also competitive in such areas as distribution and logistics, marketing, sales and customer service. This combination enables General Cable to better serve its customers as they expand into new geographic markets.

### General Cable

4 Tesseneer Drive  
Highland Heights, Kentucky 41076-9753  
Telephone: +1 877.213.6082  
+1 859.572.8000

Email: [info@generalcable.com](mailto:info@generalcable.com)  
[www.generalcable.com](http://www.generalcable.com)