



# FOOD & BEVERAGE MARKET SOLUTIONS



TPC WIRE & CABLE CORP.  
*EXPECT HIGH PERFORMANCE®*

# TPC Wire & Cable Corp.

## Customer Testimonials

Robert M Rooker,  
Maintenance Manager  
**Sister Schubert's Homemade Rolls**

*“This cable [TPC’s Chem-Gard® 12/4] was all it was represented to be and more. My electricians loved working with it. We replaced 10 AWG THHN with 12/4 AWG for 15 H.P. blowers in a -30°F freezer and have better running motors with none of the overload problems we had before.”*



*Founded by Patricia “Sister Schubert” Barnes in 1989, today the brand bearing her name is known for producing 12 varieties of melt-in-your-mouth-delicious rolls that go from freezer to table in minutes. From the buttery Parker House Style Rolls to Soft Pretzel Rolls, Sister Schubert’s brings you homemade taste...pure and simple. Sister Schubert’s is a T. Marzetti Company.*

## Food & Beverage Market Solutions

TPC Wire & Cable Corp. is a leading supplier of high-performance wire, cable, connectors, and assemblies designed and engineered to withstand harsh industrial environments. We know how critical it is that your cables and connectors be able to survive abuse from caustic chemicals, extreme temperatures, continuous flexing, impact, and abrasion. Our products solve the most difficult application problems to long outlast ordinary cable, reducing your downtime, labor, and overall costs.

### Global Food Producer Seals Out Costs with TPC Quick-Connects™

#### Customer Problem

A global food producer of high-quality soups, simple meals, snacks and healthy beverages was experiencing increased labor and maintenance hours due to failed (hard-wired) electrical cable within several motor applications in their food processing plant cookers. Traditionally, the motors are wired with THHN cable through conduit and include connections inside the motor box. The conduit sometimes leaks, which in this case, caused water to be trapped within the motor box.

Every week, ten motors needed to be replaced and took approximately one hour each to replace. Additional replacement procedures included opening the motor box, uncoupling four leads, taking conduit fittings apart, pulling leads out of the box, running old leads into a new motor box, fastening conduit fittings, terminating four leads and closing the new motor box. At this rate, the replacement of these motors would cause the company up to 12 weeks of production time per year.

#### TPC Solution

The wire and cable professionals at TPC suggested Quick-Connects™ as a viable solution to protect their cable from harsh environments involving water, pressure washing, steam, cleaning chemicals, food oils, tomato acids and extreme temperatures. Quick-Connects™ feature an IP69K rated, one-piece molded plug body that seals out moisture and oils.

#### Result

Overall, the customer saved \$7,500 in material and labor costs. By implementing TPC Quick-Connects™, this customer was able to increase productivity, reduce labor hours by 30 minutes and reduce costs by avoiding product loss. If a cooker, for example, were not returned to a working state in a specified period of time, the batch would be discarded.

Source: TPC Cost Value Analysis Report # 2157



## TPC Products Solve Problems in Food & Beverage Applications

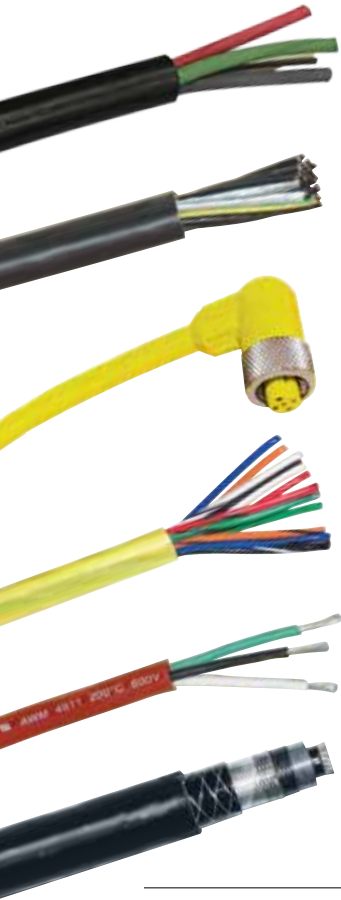
APPLICATIONS	TPC PRODUCTS
<b>Control Room</b>	<ul style="list-style-type: none"> <li>• Industrial Ethernet Cable and Connectors</li> <li>• Chem-Gard® 200°C Cat6 Industrial Ethernet Cable</li> <li>• Trex-Onics® Shielded Control Cables</li> <li>• Super-Trex® Unshielded Control Cables</li> </ul>
<b>Packing &amp; Palletizing</b>	<ul style="list-style-type: none"> <li>• Power &amp; Control Cables</li> <li>• Quick-Connect™ Cord Sets</li> </ul>
<b>Fill Lines, Conveyors, Automation, Connectivity</b>	<ul style="list-style-type: none"> <li>• 16 AWG Mini Quick-Connects™</li> <li>• 18 AWG DC (M12) Micro Quick-Connects™</li> <li>• 18 AWG AC (1/2" – 20) Micro Quick-Connects™</li> <li>• 24 AWG Nano Quick-Connects™</li> <li>• 7 Pin Molded Valve Plugs</li> <li>• DIN Connectors – 18mm, 11mm, 8.4mm and 8mm</li> <li>• Industrial Ethernet Assemblies</li> <li>• Chem-Gard® 200°C Cat6 Industrial Ethernet Cable</li> </ul>
<b>Motors / Pumps</b>	<ul style="list-style-type: none"> <li>• Variable Frequency Drive Cables – 16 AWG through 535 kcmil</li> <li>• 90° Quick-Connects™ – 10 AWG through 14 AWG</li> </ul>
<b>Freezers / Chillers</b>	<ul style="list-style-type: none"> <li>• Chem-Gard® Cables</li> <li>• Super-Trex® Extreme Temperature Cables</li> </ul>
<b>Fryers / Boilers</b>	<ul style="list-style-type: none"> <li>• Chem-Gard® Cables</li> <li>• Thermo-Trex® Igniter Wire</li> <li>• Thermo-Trex® High Temperature Cables</li> <li>• Trex-Onics® Sootblower Cable</li> </ul>
<b>Cable Carrier Systems</b>	<ul style="list-style-type: none"> <li>• Complete Cable Carrier Systems</li> </ul>
<b>Washdown Areas</b>	<ul style="list-style-type: none"> <li>• Chem-Gard® Cables</li> <li>• Quick-Connects™ &amp; Receptacles</li> </ul>
<b>Mixers / Grinders</b>	<ul style="list-style-type: none"> <li>• Super-Trex® Portable Cord and Power Cables</li> <li>• Quick-Connect™ Cord Sets</li> </ul>
<b>Bottling / Canning</b>	<ul style="list-style-type: none"> <li>• Trex-Onics® Continuous Flex</li> <li>• Trex-Onics® Shielded Pair Cables</li> <li>• Trex-Onics® Coil Cords</li> <li>• Thermo-Trex® High Temperature Cables</li> </ul>
<b>Other</b>	<ul style="list-style-type: none"> <li>• Nylon &amp; Stainless Steel Grip-Seals™ – Strain relief</li> <li>• Heat &amp; Chemical Resistant Straight Grip-Seals™ – Cable gland</li> <li>• Customized Cable and Connector Assemblies to your exact specifications</li> <li>• Vulko-Wrap™ – Self-vulcanizing insulating tape</li> </ul>

LET TPC DO  
THE WORK.

Get your cables connectorized  
& ready to install.



## Designed for Abuse



- **Super-Trex®:** A very rugged line of cables which includes both single and multi-conductor configurations ranging from 600 volts to 2000 volts. These products are designed primarily for power and control applications where cables may be exposed to tension, reeling, flexing, cutting, abrasion, and impact.
- **Trex-Onics®:** Designed for constant flexing applications such as cable carriers and robotics, this product line is designed to provide a high level of resistance to abrasion and cutting. Trex-Onics products include power cables and shielded multi-conductor cables for instrumentation, control and communications.
- **Quick-Connects™:** Line of cord sets and cable assemblies designed for applications that require tough, sealed connectors that are able to operate in industrial environments. Available as minis, micros, nanos, and more. Accessories include adapters, shorting plugs, three-way receptacles, and custom items.
- **Chem-Gard®:** Designed for a broad range of applications where heat, cold or extreme chemical exposure can affect cable performance. Chem-Gard uses a fluoropolymer insulation and jacket that gives the cable a temperature performance range from -60°C to +200°C. The fluoropolymer jacket also allows the cable to survive in very acidic, alkali or solvent based environments.
- **Thermo-Trex®:** High temperature cables and accessories designed for temperatures ranging from 400°F up to an extreme of 3000°F. This line includes power and control cables as well as a line of thermocouple extension wires and igniter wires.
- **Power-Trex®:** Temporary and emergency power family of products featuring high performance cabling systems, assemblies, custom enclosures, accessories and storage solutions.

## Cables, Connectors and Cable Carriers

TPC Wire & Cable Corp. takes pride in providing quality products that withstand your abusive environments. Our sales representatives will take the time to discuss your specific application and work with our engineering and product teams to help solve your application problems.

In addition to our in-line cables, TPC Wire & Cable Corp. has the ability to:

- **Design and manufacture custom cables** to solve unusual application problems.
- **Connectorize your cables** using a broad range of molded and mechanical military connectors.
- **Provide a cable carrier system** with cables, hoses and connectors, all pre-loaded, tested and ready to install out of the box.

### Want to Learn More?

Available for download at [www.tpcwire.com](http://www.tpcwire.com):



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