



Solutions for the Utility-Power Generation Industry



Expect High Performance[®]

Amphenol TPC Wire & Cable 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 help solve the most difficult application problems by reducing your downtime, labor, overall costs, and long-outlasting commodity cable.

- ✓ Wire & Cable
- ✓ Cable Assemblies
- ✓ Cable Management
- ✓ Cordsets
- ✓ Electrical Components
- ✓ Custom Solutions

Specialized Utilities - Power Generation Solutions

Whether your power generation infrastructure is a plant that produces energy from coal, wind, nuclear, hydro, natural gas, or bio-fuel resources, they all play a pivotal role in maintaining the stability and functionality of critical systems across various sectors. Power applications need to meet the unique demands of power generation facilities and help ensure an uninterrupted and reliable supply of electricity to meet the world's energy needs. At Amphenol TPC, we offer an extensive range of durable and reliable cable products that are specifically designed to withstand demanding conditions and keep your operations running.

Our **Super-Trex®**, **Chem-Gard®** & **Vulko-Wrap™** products are engineered to be abrasion, chemical and temperature-resistant, making them ideal for various applications within power generation areas. Rely on our cable and accessories in your Power Generation Plants for an industry-leading life expectancy that saves time, labor, and overall cost of ownership.



Featured Products

Scan the QR codes to view more product information, including full list of ratings, features and benefits.



Vulko-Wrap™ Self-Vulcanizing Insulating Wrap



MIL-I-46852 (Superseded by CID A-A-59163A, Type II)

Temp Rating -60°F to 400°F

Engineered to Resist



Flexing



High Temperature



Cold Temperature



Chemicals

✓ High Dielectric Strength

✓ Immediate Vulcanization & Adhesive-Free

Excels in

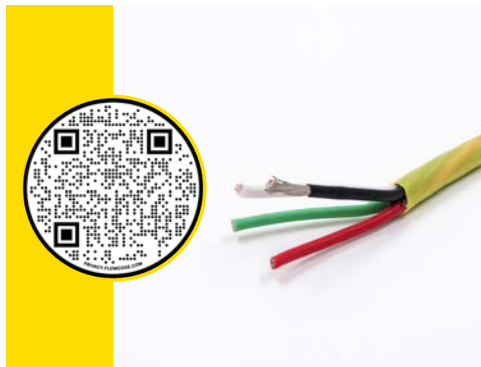
Wire Terminations

Bus Wraps

Cable Repairs

Securing Cables

Supplementing Strain Relief & Backshells



Chem-Gard® 200 Multi Conductor Cable



600V

Max Conductor Temp 200°C

Cold Temp Rating -60°C

Engineered to Resist



Abrasion



High Temperature



Cold Temperature



Chemicals

✓ Finely Stranded Nickel-Plated Copper Conductors

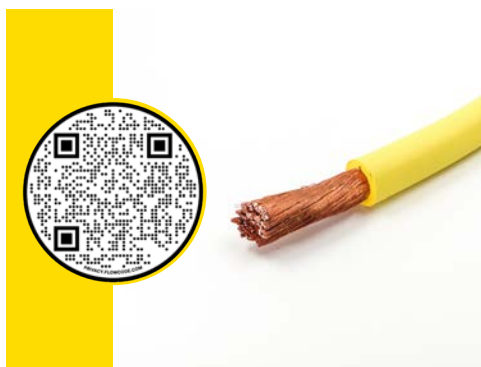
✓ Specially Compounded Fluoropolymer Insulation & Jacket

✓ High Temperature Fluoropolymer Fillers

Excels in

Boilers

Furnaces & Coal Thaw Sheds



Super-Trex® 600V Welding Cable



600V

Max Conductor Temperature 90°C

Engineered to Resist



Flexing



Abrasion



Impact



Chemicals

✓ Finely Stranded Copper Conductors

✓ 100% Fabric Serve, Jacket Impregnated

✓ Specially Compounded TSE Jacket (Multiple Colors Available)

Excels in

Welders

Cranes

Conveyors

Crushers

Stacker Reclaimers

Case Study

Power Generation Plant Pleas for Persistence in Welding Application

Customer Problem

A leading U.S. energy company with longwall coal mining operations was experiencing frequent weld cable failures due to multiple abuses that were present in the surrounding industrial environment. The cables were constantly exposed to abrasion, oil, and welding debris, and were frequently run over by large trucks, causing significant impact. Additionally, the accumulation of many MSHA citations over the years was another driving factor behind the need to find a more durable solution.

Amphenol TPC Wire & Cable Solution

We suggested ATPC's signature MSHA-approved **Super-Trex® 600V Welding Cable** for this utility customer. Our welding cable is well known for its special TSE jacket offering a first line of defense against abrasion, impact, and high-heat.



Result

After 22 months using **Amphenol TPC's Super-Trex® 600V Welding Cable**, this customer let us know that our longer-lasting product **saved them over \$10,000 in materials, \$12,000 in labor, and gave them back 240 production hours!** Our intervention didn't just meet expectations, it surpassed them. This customer saw a remarkable drop in MSHA citations thanks to our efforts. Trust us to deliver results that exceed your expectations.



\$10,000

Material Cost Savings



\$12,000

Labor Cost Savings



240 Hours

Downtime Saved

Results from 22 Month Time Period

We've Got You Covered

Amphenol TPC provides high-performance cables engineered with cost-saving durability designed for use in a number of industry-specific applications.

- 4160 Motors
- 480 Jumper
- Boilers/Furnaces
- Burners
- Bus Wrap
- Coal Belt Trippers
- Coal Thaw Sheds
- Control Loops
- Conveyors
- Cooling Fans
- Cranes
- Crushers
- Extension (cord)
- Fixed/Unit Substations
- Foot Pedals
- Hoists
- Lighting
- Limit Switches
- Motors
- Plant Control & Communication
- Portable Tools
- Power – Outages
- Pulverizer/Crusher Power
- Sensors
- Shakers
- Shielded Applications
- Soot Blowers
- Stacker/Reclaimer
- Temporary & Emergency Power
- Terminations
- Thawing Sheds (rail car)
- Transformers
- Welding
- Wind Farm MRO



**Learn
More**



Our product designs and performance characteristics extend cable life, resulting in reduced downtime, less repair time, and driving down lost production time. Our customers continue to come back to Amphenol TPC to resolve their most difficult cable problems.



Dave Sedivy,
Senior Product Manager

Custom Solutions Engineered For You

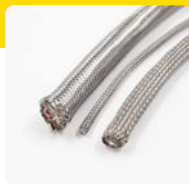


Custom Designed to Meet Your Needs

If your industrial operation requires a unique solution, Amphenol TPC offers custom-engineered products **designed to your specifications**. These product solutions represent a unique and valuable service offered by Amphenol TPC to save you time and money. Our engineers are focused on providing the best solutions, through tested electrical, mechanical, and industrial engineering experience. There is no job that our team can't tackle. Our engineering team is ready to design a custom solution for you!



Custom Wire & Cable



Stainless Steel Braid Sleeving



Cordsets



Cable Assemblies



Custom Cable Carrier Systems



Custom Storage & Trailers



Cables Reels & Enclosures

→ For more Custom Solutions, please visit tpcwire.com



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