



Solutions for the Utility-Transmission & Distribution 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 Utility – Transmission & Distribution Solutions

Utility Transmission & Distribution companies are responsible for keeping the lights on through ongoing maintenance, upgrades, and emergency repairs on electrical substations. Utility companies need to have access to temporary power solutions that keep their mobile substations running in the event of an unplanned outage.

Amphenol TPC is your one-stop shop for medium voltage cables, connectors, and storage and deployment solutions. We offer a comprehensive package that delivers a unique set of solutions, making us truly one of a kind. Whether it's a custom need or an out-of-the-box solution, Amphenol TPC offers quality products and services when you need them the most! ATPC products are engineered for high performance, which saves time, labor, and overall cost of ownership.



Learn More

Featured Products

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



Super-Trex® Type SH Medium Voltage Power Cable

ASTM B-33 ICEA S-75-381/NEMA WC-58 5kV, 15kV, 25kV and 35kV Voltage Ratings

Engineered to Resist

Flexing Abrasion Impact

- ✓ Finely Stranded Tinned Copper Conductors
- ✓ Combination Semi-Conductive Tape and Extruded Semi-Conductive TSE Conductor Shield

ATPC Benefits

- Deep inventory that significantly reduces lead time
- Custom cut lengths with no minimums required



Medium Voltage Assemblies

Engineered to Resist

Flexing Abrasion Chemicals

- ✓ Extra Heavy-Duty TSE jacket

ATPC Benefits

- Custom length with no minimum run required
- Terminations installed by certified technicians
- Shipped with a certified test report for insulation resistance and AC or DC dielectric withstand

Case Study

Energy Company Discovers A Better Way

Customer Problem

A prominent energy company was seeking an improved way to store and deploy medium voltage cables. The client's current method of storage and deployment involved a standard trailer from which cables could only be deployed in one direction. This required the trailer to be parked in an exact orientation to allow the cable to pay off in the desired direction, which was often challenging due to limited space and poor visibility. As a result, feasibility was an ongoing issue, and the trailer, equipment, and cables were occasionally damaged due to imperfect positioning. Moreover, personnel were at risk of injury due to the outdated and labor-intensive methods used to load, store, and deploy the cable.

Amphenol TPC Wire & Cable Solution

Amphenol TPC's engineering team collaborated with the customer's engineering team to design an improved trailer system featuring a pivoting reel turret, which allows operators to pull up to the site from any direction, park the trailer, and then easily rotate the reel on the deck of the trailer to achieve the desired positioning. ATPC also provided all medium voltage cables required for the project, which were cut to length, terminated, and tested prior to loading.

Result

The customer is now able to properly store medium voltage cables, efficiently deploy them when needed, and safely protect operators from harm and equipment from damage. Overall, our solution provided a comprehensive and reliable way to manage their medium voltage cables.



Storage & Deployment Solutions

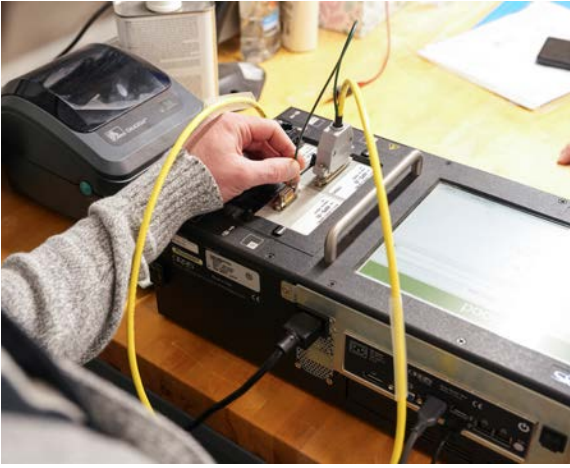
Our cable trailer solutions ensure fast, easy, and safe deployment of heavy-duty medium voltage cables in temporary and emergency power situations.

- ✓ Various reeling power options – gas, diesel, or electric cables during travel and storage
- ✓ Multiple construction materials available – aluminum, galvanized, painted steel
- ✓ Reel orientation side or rear options - to make deployment easier at your site
- ✓ Highway DOT compliant trailer systems

ATPC Benefits

Select from standard and customizable trailer solutions to match your unique site-specific needs

Storage and deployment designs are available with skid mounted, turret, rear or side payout trailers



Connector & Electrical Testing Services

- ✓ Connectors added to ATPC's high-quality, flexible medium voltage cables to deliver a complete ready-to-install assembly
- ✓ Terminations installed by factory-certified installers
- ✓ Electrical testing in accordance with ANSI/NEMA WC 58-2008, 6.17 -100% AC or DC Hi-pot testing before shipment
- ✓ Finished assemblies tested and documented before shipping to verify workmanship and traceability

Custom Solutions Engineered For You

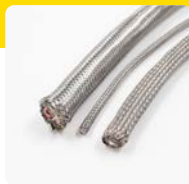


Custom Designed to Meet Your Needs

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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