

Solutions for the Mining 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 Mining Solutions



The Mining Industry requires wire and cable that protects against demanding conditions. Ordinary mining cable that is vulnerable to nicks, cuts, abrasion, and other damage can be a drag on time, resources, and productivity – not to mention cause for MSHA citations and fines. At Amphenol TPC, we offer cable that reduces your downtime, labor, and overall costs which allows you to spend less time inspecting, repairing, and replacing cable.

Our **Super-Trex®** products are engineered to withstand the mechanical abuses, smelting processes, and general hazards associated with mines. The result? Longer-lasting, MSHA-approved cable products. Whether it is in your open pit, underground, tuck shops, processing plant, power distribution, or your maintenance shop, our cables, and accessories are engineered for the hard environments your industry faces.











Featured Products

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

Super-Trex® 600V Welding Cable





600V
Max Conductor Temperature 90°C
Type SC



Engineered to Resist  Flexing  Abrasion  Impact  Chemicals

✓ **Finely Stranded Copper Conductors**




✓ **100% Fabric Serve, Jacket Impregnated**





Excels in* Welding Stingers/Whips Welding Ground Leads Welding Electrode Leads

Arc Welding *Not Exceeding 600 Volts AC

Super-Trex® Ultra-Gard™ Portable Cord




600V
Max Conductor Temperature 90°C
Type SOOW



Engineered to Resist  Flexing  Abrasion  Impact  Chemicals

✓ **Finely Stranded Tinned Copper Conductors**






✓ **Live-Flex & Fluid Resistant Thermoset Insulation with Separator**




Excels in Mobile Equipment Cable Reels Tools Grinders Welders

Fans Pumps Conveyors Crushers Processing Equipment

Trex-Onics® Overall Shielded Continuous Flex Multi-Conductor Cable






600V

Engineered to Resist  Flexing  Abrasion  Chemicals

✓ **Specially Compounded Security Yellow TPU Jacket**

✓ **Finely Stranded Tinned Copper Conductors**

Excels in Conveyors Shakers Screens Continuous, Longwall, & Borer Miners

Cable Carriers Instrumentation Data Transmission

Case Study

Coal Mine Achieves Reduced Downtime through Amphenol TPC Welding Cable

Customer Problem

A leading coal mine in the Midwest was experiencing weld cable failures due to the rough and rocky landscape of their site. Their current cable was being exposed to abrasion and direct impact from being run over, oil, and constant weld splatter.

Amphenol TPC Wire & Cable Solution

One field specialist carefully assessed the situation and considered all environmental hazards. Amphenol TPC's **Super-Trex® 600V Welding Cable** was introduced – a rugged solution with a 25% thicker wall than ordinary cable and 100% fabric serve, which makes it flame, heat, and tear-resistant. Plus, this welding cable has MSHA approval to maintain full compliance.



\$5,500

Material Cost & Labor Savings



294 Hours

Downtime Saved

Results from 22 Month Time Period



Result

The customer was able to increase production by 294 hours and save **\$21,465 over 22 months** by switching to the **Super-Trex® 600V Welding Cable** from a commodity cable.

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.

Area: Truck Shop/Welders

- Extension/Power Cords
- Grinders
- OEM Haul Truck Cable Replacement
- Pre-Loaded Cord Reels
- Welders

Area: Surface (Open-Pit) Mining

- Cable storage and deployment
- Conveyors
- Drills
- Excavators
- Field Service Trucks
- Power Distribution/MLCs
- Pumps
- Stackers/Reclaimers
- Tripper Cars

Area: Underground

- Cameras
- Continuous Miners
- Conveyors
- Crushers
- Flexible Conveyor Trains
- Power Distribution
- Pumps
- Shuttle Cars
- Ventilation Fans
- VFDs
- Welders

Area: Power Distribution

- Cable Storage and Deployment Systems
- Medium Voltage Power (2kV-35kV)
- MLC's

Area: Mine Processing Plant/Foundry

- Cable Carriers
- Concentrators
- Crushers
- Filter Presses
- High Temp Applications
- Mixers & Agitators
- Ponds
- Portable Power
- Pumps
- Refining Process
- Smelting Process
- Welders

Area: Quarries/Aggregates

- Conveyors
- Crushers
- De-Watering/Pumps
- Kilns
- Portable power
- Screens
- VFD
- Welders



Learn More

“ Super-Trex® 600 Volt Welding Cable

We have been using Super-Trex® Welding Cables from Amphenol TPC. They are lasting much longer and with fewer repairs. Our MSHA citations have also been almost eliminated!

Travis Kirk,
Prep Plant Supervisor
The Marshall County Coal Company's Marshall County Mine

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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