



Solutions for the Wood, Pulp & Paper 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 Solutions for the Wood, Pulp & Paper Industries



Industrial wire and cable play a vital role in the Wood Pulp and Paper Industry. This industry faces some of the toughest environments such as harsh chemicals in papermills and aeration ponds and abrasion & impact in the wood yard. At Amphenol TPC, we offer an extensive range of durable and reliable cable products that are specifically designed to withstand these demanding conditions.

Our **Super-Trex®**, **Trex-Onics®**, and **Chem-Gard®** products are flexible and impact, chemical, and abrasion-resistant, making them ideal for various applications within the Wood Pulp & Paper Industry. Our cables excel in performance and longevity, making them ideal for critical areas such as the wood yard, packaging, paper machine, pulp mill, sawmill and utility. Amphenol TPC products will save you 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.



Super-Trex® Ultra-Gard™ Portable Cord



600V
Max Conductor Temp 90°C
Type SOOW
Type TC-ER (10, 12, 14 AWG Only)




Engineered to Resist  Flexing  Abrasion  Impact  Chemicals






✓ **Finely Stranded Tinned Copper Conductors**
 ✓ **Live-Flex & Fluid Resistant Thermoset Insulation with Separator**

Excels in Transfer Cars Pump Systems Processing Equipment Portable Tools
Conveyors & Mixers



Super-Trex® Multi-Conductor P&R Cable




600V
Max Conductor Temp 90°C
FT-4 Flame Rating




Engineered to Resist  Flexing  Tension  Abrasion  Impact  Chemicals





✓ **Finely Stranded Tinned Copper Conductors**
 ✓ **Nylon Reinforcing Braid Embedded between Two-Layer Jacket**
 ✓ **Live-Flex XLPE Insulation System**

Excels in Portable Crane Elevator Chip House/Screens Slitter Machine

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**

Excels in Controls Lighting Sensors Fourdrinier Machines Pulpers Digesters
Refiners Chippers Chip Processors Blow Tanks Disc Filters Twin Roll Presses

Case Study

Paper Mill Saves \$109,000, Boosts Production by 813 Hours

Customer Problem

A paper manufacturing company faced the issue of frequently replacing OEM soot blower cables every 2-3 days due to harsh conditions. The rubber jacket of the cable was getting corroded, and the cable itself was too heavy and sawed through itself. For each instance of failure, the cost to replace the cable was \$404 in parts and labor plus 3 hours of downtime — leading to extraordinarily high and unnecessary costs, not to mention the hassle.

Amphenol TPC Wire & Cable Solution

We suggested our Trex-Onics® Sootblower Cable which is compatible with Diamond Power, Clyde Bergemann, and BEI blowers. This product's unique design is 30% lighter than commodity cable and offers abrasion, heat, and moisture-resistance with an operating temperature range of -40°C to 105°C. Molded plugs offer a secure, easy-to-install connection and protect against the environment. The ultra-smooth jacket resists abrasion as it slides gently along the soot blower guide wire.

Result

After an 18-month period, **Amphenol TPC's Trex-Onics® Sootblower Cable** had yet to fail for an entire year and a half and counting! The customer's total expense for the solution was \$1,066 in products and labor, which means Amphenol TPC's solution saved the customer an astonishing \$109,027 and increased production by 813 hours. **Trex-Onics® Sootblower Cable** is ambidextrous and fits both left and right-hand orientations, unlike OEM coil cords. This simplifies management to only one part number. After discovering this, the company rolled out a recommendation to use ATPC's product in all mills as a superior replacement.



\$109,027

Material Cost &
Labor Savings



813 Hours

Downtime Saved

Results from Twelve 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.

Area: Packaging

- Cameras
- Conveyor
- Packaging Equipment
- Wrap Line Operations
- Wrapper

Area: Paper Machine

- Dryer
- Head Checker
- Head Chest
- Hood Lighting
- Motor Power & Control
- Oscillating Shower Systems
- Overhead Crane Controls
- Paper Break Sensor
- Slitter Machine
- Winder

Area: Pulp Mill

- Blenders
- Bleach Plant pump motors, sensors & valve controls
- Cameras
- Digester
- Indicators & Sensors
- Lime Kiln
- Valve Controls

Area: Saw Mill

- Pantograph
- Transfer Car
- Truck Loader

Area: Utilities

- Aeration Ponds
- Black Liquor Guns
- Cameras

Area: Utilities (Continued)

- Port Rodder Controls
- Recovery Boiler
- Soot Blowers
- Turbine Operations

Area: Wood Yard

- Chip Screen Shaker Motors
- Chipper/Debarker
- Grapples
- Log Cranes
- Portable Crane Monospiral Reel
- Portable Crane Elevator
- Radical Crane Valve Controls
- Stacker/Reclaimer

Area: Power Recovery

- Black Liquor Guns
- Boiler Igniter System
- Cameras
- Electrostatic Precipitator
- Port Rodders
- Retractable Sootblower
- Turbine Generator LVDT



Learn More



Super-Trex® Ultra-Gard™ Portable Cable

One of the first products I made use of in the mill was Amphenol TPC's 3/16 Super-Trex® Ultra-Gard® Portable Cord used to power LED lights on one of our roadways. Regular SO cord would always become dry rotted and crack, causing the light to become inoperable. I have not experienced this problem with the Super-Trex® cable. We have now installed close to 4,000 feet of this cable while experiencing zero failures. The cable's chemical resistance and tough jacket lends itself to longer cable life, reducing unscheduled downtime which results in better runtime and cost savings. We currently stock close to 55 of ATPC's product offerings and are completely satisfied with the product they produce.

Al Plybon,
E&I Planner
Pulp & Paper Mill, Tacoma, WA

Custom Solutions Engineered For You

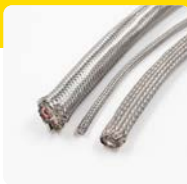


Custom Designed to Meet Your Needs

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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