



MINING MARKET SOLUTIONS



TPC WIRE & CABLE CORP.
EXPECT HIGH PERFORMANCE®

Mining Market Solutions

TPC Wire & Cable Corp. is a leading supplier of high-quality, 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 impact, abrasion, flexing, extreme temperatures, and chemicals. TPC products solve the most difficult application problems and outlast ordinary cable 10:1, reducing your downtime, labor, and overall costs.

Case Study

Customer Problem

Pennsylvania's 3rd largest coal producer was replacing cable frequently on underground haulage systems due to failure from abrasion. Safety being a top priority, the customer needed a long-term solution that could be used in emergency shut-off situations.

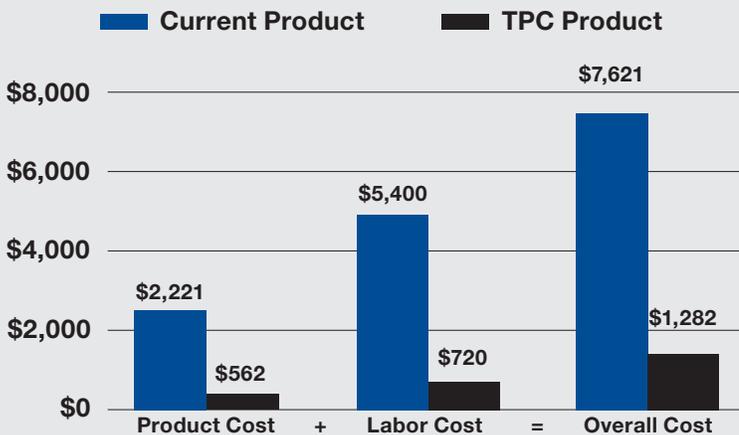
TPC Solution

TPC suggested Super-Trex® 16/6 Multi-Conductor P&R Cable, which features a specially compounded TSE jacket that provides superior first-line defense against tearing, abrasion, impact, oil, ozone, most chemicals, flame, heat, and weather.

Result

Having the right cable in the right application saves valuable time and money. Previously, when the customer was replacing cable bi-monthly for 3 systems, failures for a 10-month period added up to \$7,621 in parts and labor. Conversely, with TPC's product installed for the same period of time, the customer saved \$6,339 in costs and increased production by 54 hours.

CURRENT PRODUCT VS. TPC PRODUCT



**Overall Cost Savings in 10 Months = \$6,339
& Increased Production by 54 Hours**

Source: TPC Cost Value Analysis Report #3521.

Customer Testimonials

Travis Kirk, Prep Plant Supervisor Consol - McElroy Prep Plant

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



Tyler McLaughlin TT Electronics-IMS

Just wanted to say your heavy-duty cable stripper has helped us maintain a safer work environment for our heavy cable assembly area. We were using a razor knife prior to getting this tool due to varying jacket thickness on one cable. Your tool gets most of the job done with less time taken and fewer hazards to the operator!



TPC Products Solve Problems in Mining Applications

AREA	APPLICATION	TPC PRODUCTS
Truck Shop/ Truck Electrical Maintenance	Extension/Power Cords	<ul style="list-style-type: none"> • Super-Trex® Ultra-Gard® Portable Cord (Type TC-ER Rated) • Super-Trex® Triple-Gard® Portable Cord
	Light Strands	<ul style="list-style-type: none"> • Super-Trex® Ultra-Gard® Portable Cord (Type TC-ER Rated) • Super-Trex® Triple-Gard® Portable Cord • Super-Trex® Portable Power & Automation Cable
	Welders	<ul style="list-style-type: none"> • Super-Trex® Weld Cable • Weld Cable Assemblies
	Water/Dust Resistant Connections	<ul style="list-style-type: none"> • Quick-Connect™ Assemblies
Surface (Open-Pit) Mining	Drills	<ul style="list-style-type: none"> • Trex-Onics® Retractable Coil Cords/Coil Cord Quick-Connects™
	Drop Lines	<ul style="list-style-type: none"> • Super-Trex® Portable Power & Automation Cable
	Process Area	<ul style="list-style-type: none"> • Super-Trex® Ultra-Gard® Portable Cord (Type TC-ER Rated) • Super-Trex® Triple-Gard® Portable Cord • Super-Trex® Portable Power & Automation Cable
	Pumping Operations	<ul style="list-style-type: none"> • Super-Trex® Portable Power & Automation Cable • Super-Trex® VFD Shielded Power Cable
	Conveyor Pull Cord Cable	<ul style="list-style-type: none"> • TPC Pull Cord Cable
Mine Processing Plant/Foundry	Portable Power	<ul style="list-style-type: none"> • Super-Trex® Ultra-Gard® Portable Cord (Type TC-ER Rated) • Super-Trex® Triple-Gard® Portable Cord • Super-Trex® Portable Power & Automation Cable
	Smelting Process	<ul style="list-style-type: none"> • Chem-Gard® 200 Cable • Chem-Gard® 150 Cable • Thermo-Trex® 2800 Cable • Thermo-Trex® 2000 Cable • Thermo-Trex® 850 Cable • Thermo-Trex® 500-K Cable
	Refining Process	<ul style="list-style-type: none"> • Chem-Gard® 200 Cable • Chem-Gard® 150 Cable
	Pumping Operations	<ul style="list-style-type: none"> • Super-Trex® Portable Power & Automation Cable • Super-Trex® VFD Shielded Power Cable
Power Conditioning	Medium Voltage Power (2 kV – 35 kV)	<ul style="list-style-type: none"> • Super-Trex® Type SH Flexible Medium Voltage Single Conductor Power Cable • Super-Trex® Type MV-105 Flexible Medium Voltage Single Conductor Power Cable • Super-Trex® Unshielded Jumper Cable – 15 kV • TPC Medium Voltage Single Conductor Power Cable Assemblies

MSHA Approved Cord & Cable



Super-Trex® Ultra-Gard® Portable Cord Type TC-ER
(All Sizes)



Super-Trex® Type W Portable Power & Automation Cable (8 to 1/0 AWG)



Super-Trex® Black Triple-Gard® Portable Cord (All Sizes)



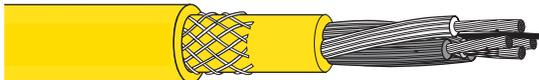
Super-Trex® 4 Conductor Aramid Reinforced Orange Portable Power Reeling Cable (All Sizes)



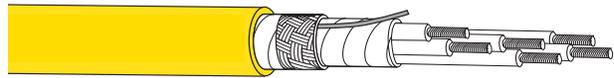
Super-Trex® Multi-Conductor P&R Cable
(16 AWG Only)



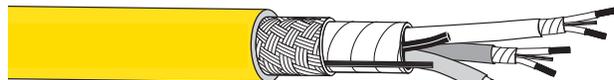
Super-Trex® 600 Volt Welding Cable (2 to 4/0 AWG)



Super-Trex® 2-6 Conductor Portable Power & Automation Cable (8 to 2 AWG)



Trex-Onics® Overall Shielded Continuous Flex Multi-Conductor Cable (All Sizes)



Trex-Onics® Individually Shielded, Multi-Pair Control Cable (All Sizes)

LET TPC DO THE WORK.

Get your cables **connectorized & ready to install.**



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