



CABLE SOLUTIONS FOR GENERAL MANUFACTURING



TPC WIRE & CABLE CORP.
EXPECT HIGH PERFORMANCE®

General Manufacturing Solutions

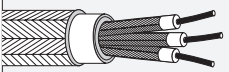

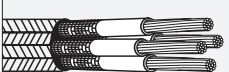
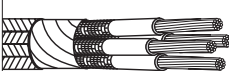



TPC Wire & Cable Corp. is a leading supplier of wire, cable, connectors, and assemblies used in harsh industrial environments. Our rugged products are designed to withstand abuse from impact, abrasion, continuous flexing, caustic chemicals, and extreme temperatures. TPC products deliver reliable performance in the most difficult applications where other cables consistently fail. The result? Reduced downtime, labor, and overall cost of ownership, plus the key benefit of increased productivity. With nearly 40 years of progressive product development and refinement, TPC serves a variety of industries including the steel, auto, utility, food & beverage, oil & gas, mining, transportation, general manufacturing, and wood, pulp & paper markets.

In addition to high performance, TPC products are backed by exceptional service. Our highly-skilled sales associates, design engineers, and product managers are focused on collaborating with you, the customer, in order to optimize operations, anticipate problems before they happen, and develop solutions that meet your specifications. Our customer service and warehouse teams are dedicated to ensuring a streamlined ordering process and on-time delivery that supports your day-to-day efforts. TPC maintains deep inventory in order to minimize lead time and offers customers the freedom to order custom cuts with no minimum lengths. And, when you choose TPC for connectorized assemblies, your terminations are completed according to ISO certified processes and electrically tested prior to shipping, thus creating a true plug-and-play solution ready to install right out of the box.

TPC's products, capabilities, and service reflect the innovative thinking that solves problems for customers everyday throughout North America and beyond. This durability and service pays for itself, especially when you consider the losses and hassles associated with cable failure. Allow TPC to power your performance. We look forward to serving you.


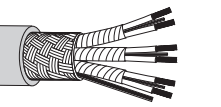

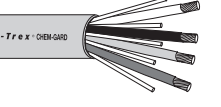
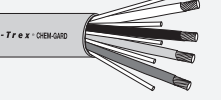
THERMO-TREX® FAMILY OF HIGH TEMPERATURE CABLE

TPC's Thermo-Trex® brand is your source for high temperature resistant cable that is available in many configurations and gauge sizes for power or control applications.

PRODUCT NAME		RATINGS	
	Thermo-Trex® 2800 Cable	<ul style="list-style-type: none">• UL Listed• 600 V• RoHS Compliant	<ul style="list-style-type: none">• Continuous Temps up to 1000°F (537°C)• Extreme Temps up to 3000°F (1649°C)
	Thermo-Trex® 2000 Cable	<ul style="list-style-type: none">• 600 V• RoHS Compliant	<ul style="list-style-type: none">• Continuous Temps up to 850°F (454°C)• Extreme Temps up to 2000°F (1093°C)
	Thermo-Trex® 850 Cable	<ul style="list-style-type: none">• UL Recognized• CSA• 600 V	<ul style="list-style-type: none">• Continuous Temps up to 500°F (260°C)• Extreme Temps up to 850°F (454°C)• RoHS Compliant
	Thermo-Trex® 500-K Multi-Conductor Cable	<ul style="list-style-type: none">• 600 V• RoHS Compliant	<ul style="list-style-type: none">• Continuous Temps up to 392°F (200°C)• Extreme Temps up to 775°F (413°C)
	Thermo-Trex® 500-K Single Conductor Cable	<ul style="list-style-type: none">• UL Recognized• 600 V• RoHS Compliant	<ul style="list-style-type: none">• Continuous Temps up to 392°F (200°C)• Extreme Temps up to 775°F (413°C)
	Thermo-Trex® 200-HD Multi-Conductor Cable	<ul style="list-style-type: none">• 600 V• Operating Temp Range -60°C to 200°C (-76°F to 392°F)	<ul style="list-style-type: none">• RoHS Compliant• Withstands Flash Heat Up to 413°C (775°F)
	Thermo-Trex® 200-HD Single Conductor Cable	<ul style="list-style-type: none">• UL Recognized• cUL• CSA• 600 V	<ul style="list-style-type: none">• Operating Temp Range -60°C to 200°C (-76°F to 392°F)• Low Smoke Zero Halogen• VW-1 Flame Rating

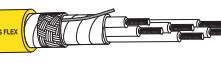

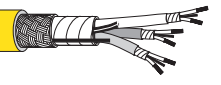
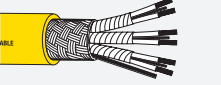

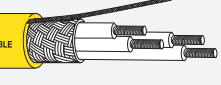
CHEM-GARD® FAMILY OF CHEMICAL & TEMPERATURE RESISTANT CABLES

Chem-Gard's proprietary fluoropolymer jacket and insulation can stand up to harsh chemicals, high heat and even extreme cold.

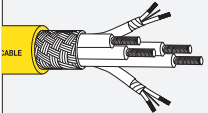
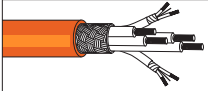









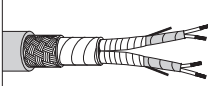


PRODUCT NAME	RATINGS
 Chem-Gard® 200°C CAT6 Industrial Ethernet Cable	<ul style="list-style-type: none"> • TIA/EIA 568-B-2 CAT6 • 300 V • Color Coded to 586B • Operating Temp Range -60°C to 200°C • Finely Stranded Silver-Plated Copper
 Chem-Gard® 200 Individually Shielded Multi-Pair Control / Resolver Cable	<ul style="list-style-type: none"> • UL Recognized • 600 V • VW-1 Flame Rating • RoHS Compliant • CSA • FT-1 Flame Rating • Operating Temp Range -60°C to 200°C
 Chem-Gard® 200 TC Rated Cable	<ul style="list-style-type: none"> • UL Listed • 600 V • Extra Hard Usage • Max Conductor Temperature 200°C • Suitable for class I, II, III, Division 2
 Chem-Gard® 200 Cable	<ul style="list-style-type: none"> • UL Recognized • 600 V • VW-1 Flame Rating • RoHS Compliant • CSA • FT-1 Flame Rating • Operating Temp Range -60°C to 200°C
 Chem-Gard® 150 Cable	<ul style="list-style-type: none"> • UL Recognized • 600 V • VW-1 Flame Rating • RoHS Compliant • CSA • FT-1 Flame Rating • Operating Temp Range -60°C to 150°C

TREX-ONICS® FAMILY OF ELECTRONIC & ELECTRICAL CABLE

TPC's Trex-Onics® line is designed with the demands of automation mind, supporting applications where continuous flexing, robotics, motion control, and the risk for abrasion are inherent to the manufacturing process.

PRODUCT NAME	RATINGS
 Trex-Onics® Overall Shielded Continuous Flex Multi-Conductor Cable	<ul style="list-style-type: none"> • UL Recognized • CSA • 600 V • MSHA Approved • RoHS Compliant • FT-1 Flame Rating • VW-1 Flame Rating • Operating Temp Range -40°C to 105°C • Continuous Flex Applications
 Trex-Onics® Multi-Pair Control Cable	<ul style="list-style-type: none"> • UL Recognized • CSA • 600 V • FT-1 Flame Rating • RoHS Compliant • Max Conductor Temp 105°C — UL • Max Conductor Temp 105°C — CSA • VW-1 Flame Rating
 Trex-Onics® Individually Shielded Multi-Pair Control Cable	<ul style="list-style-type: none"> • UL Recognized • CSA • RoHS Compliant • 600 V • FT-1 Flame Rating • MSHA Approved (24 AWG-18 AWG) • Max Conductor Temp 105°C — UL • Cold Temperature Rating -40°C • Max Conductor Temp 105°C — CSA • VW-1 Flame Rating
 Trex-Onics® Individually Shielded Resolver and Intrinsically Safe Cable	<ul style="list-style-type: none"> • UL Recognized • CSA • RoHS Compliant • 600 V • FT-1 Flame Rating • MSHA Approved (24 AWG-18 AWG) • Max Conductor Temp 105°C — UL • Cold Temperature Rating -40°C • Max Conductor Temp 105°C — CSA • VW-1 Flame Rating
 Trex-Onics® Low Capacitance Cable	<ul style="list-style-type: none"> • UL Recognized • 13pF/ft • RoHS Compliant • VW-1 Flame Rating • EIA RS-232/422/485 • Max Conductor Temp 80°C — UL • Max Conductor Temp 80°C • 300 V
 Trex-Onics® Low Capacitance VFD Shielded Power Cable	<ul style="list-style-type: none"> • UL Listed • CE • Oil Resistant • Sunlight Resistant • CSA – 1,000 V • RoHS Compliant • CSA • Type TC-ER – 600 V • FT-4 Flame Rating • Max Conductor Temp 90°C • Corona Resistant to 2,000 V

TREX-ONICS® (continued)


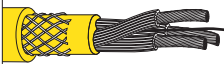


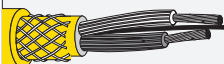
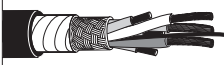
PRODUCT NAME		RATINGS	
	Trex-Onics® Low Capacitance VFD Shielded Power Cable with Brake & Signal Pairs	<ul style="list-style-type: none"> • UL Listed • CE • CSA – 1,000 V • Oil Resistant • Sunlight Resistant 	<ul style="list-style-type: none"> • CSA • Type TC-ER – 600 V • Max Conductor Temp 90°C • Corona Resistant to 2,000 V • RoHS Compliant
	Trex-Onics® Servo Motor Cable	<ul style="list-style-type: none"> • UL Recognized • FT-1 Flame Rating • 600 V 	<ul style="list-style-type: none"> • Low Capacitance • Operating Temp -40°C to 80°C • Continuous Flex Applications
	Trex-Onics® High-Flex Encoder Cable	<ul style="list-style-type: none"> • 300 V • Operating Temp Range -40°C to 90°C • AWM 	<ul style="list-style-type: none"> • VW-1 Flame Rating • UL Recognized in the U.S. & Canada • RoHS Compliant
	Trex-Onics® Sootblower Cable	<ul style="list-style-type: none"> • 600 Volt • IP68 Rated 	<ul style="list-style-type: none"> • IP67 Rated • Max Conductor Temp 105°C
	Trex-Onics® High-Flex Ultra-Coil Retractable	<ul style="list-style-type: none"> • UL Recognized • 600 V • RoHS Compliant • Sunlight Resistant • CE 	<ul style="list-style-type: none"> • cUL • Max Conductor Temp 90°C — UL • Operating Temp Range -40°C to 90°C • Oil Resistant
	Trex-Onics® Industrial Ethernet Patch/Work Area CAT7A Cable	<ul style="list-style-type: none"> • ANSI TIA/EIA 568-B • IEC 61156-6 • Abrasion Resistant • ISO/IEC 11801 • 600 V** 	<ul style="list-style-type: none"> • IEC 60332-1 • Frequency Range up to 1000 MHz • Operating Temp Range -40°C to 70°C • RoHS Compliant 2002/95/EC • Halogen-Free Flame Retardant
	Trex-Onics® Industrial Ethernet Patch/Work Area CAT6A Cable	<ul style="list-style-type: none"> • IEC 61156-6 • ISO/IEC 11801 • 300 V • RoHS Compliant 	<ul style="list-style-type: none"> • IEC 60332-1 • Frequency Range up to 500 MHz • Operating Temp Range -30°C to 65°C • Halogen-Free Flame Retardant
	Trex-Onics® Industrial Ethernet Shielded Horizontal CAT6A Cable	<ul style="list-style-type: none"> • UL Recognized • FT-1 Flame Rating • RoHS Compliant 2002/95/EC • UV Resistant • ANSI TIA/EIA 568-B 	<ul style="list-style-type: none"> • Operating Temp Range -30°C to 80°C • Frequency Range up to 500 MHz • Halogen-Free Flame Retardant • TIA / EIA-568-C-2
	Trex-Onics® Industrial Ethernet CAT5E / 2-Pair Cable	<ul style="list-style-type: none"> • UL Recognized • AWM 20233 • 300 V 	<ul style="list-style-type: none"> • TIA/EIA 568-C-2* • RoHS Compliant • Max Conductor Temp 80°C
	Trex-Onics® ControlNet RG-6U Quad-Shield Coaxial Cable	<ul style="list-style-type: none"> • UL Recognized • ODVA Conformity 	<ul style="list-style-type: none"> • FT-2 Flame Rating • RoHS Compliant
	Trex-Onics® Profibus Festoon/Trailing Cable	<ul style="list-style-type: none"> • UL Recognized • 30 V 	<ul style="list-style-type: none"> • RoHS Compliant • Operating Temp Range -40°C to 80°C
	Trex-Onics® DeviceNet™ Flex-Net Cables	<ul style="list-style-type: none"> • UL Recognized • ODVA Conformity • CSA • 300 V • RoHS Compliant 	<ul style="list-style-type: none"> • Type PLTC • FT-4 Flame Rating • CE (thin only) • Max Conductor Temp 80°C
	Trex-Onics® Hybrid Motor Cable	<ul style="list-style-type: none"> • 600 V • IEC 61156-6 • IEC 60332-1 • ANSI TIA/EIA 568-B 	<ul style="list-style-type: none"> • Operating Temp Range -40°C to 70°C • Frequency Range up to 1000 MHz • RoHS Compliant 2002/95/EC • ISO/IEC 11801
	Molded & Mechanical M23s	<ul style="list-style-type: none"> • IP67 / IP69K per EN 60 629 (connected) • Operating Temp Range -40° to 125°C 	<ul style="list-style-type: none"> • Mating Cycles > 1000 • Nickel Plated Housing Surface

*Telecommunications Industry Association / Electronic Industries Alliance

** Installation cable voltage rating is 300/600 V. This cable is not intended to be used for main power supply applications.

SUPER-TREX® FAMILY OF ELECTRICAL CORD & CABLE

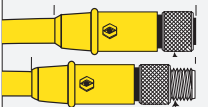
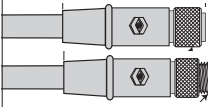
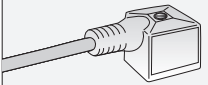

Super-Trex® Cord and Cable is jacketed with TSE, a specially compounded thermoset elastomer which has excellent resistance to most chemicals and solvents.

PRODUCT NAME		RATINGS	
	Super-Trex® Ultra-Gard® Portable Cord (Type TC-ER Rated)	<ul style="list-style-type: none"> • UL Listed • Type SOOW • CSA • Type TC-ER • Extra Hard Usage • Max Conductor Temp 90°C 	<ul style="list-style-type: none"> • FT-4 Flame Rating • Suitable for Class I, II, III, Division 1 & 2* • Oil Resistant • Sunlight Resistant • MSHA Approved
	Super-Trex® Triple-Gard® Yellow Portable Cord	<ul style="list-style-type: none"> • UL Listed • Type SOOW • Suitable for Class I, II, III Division 1 & 2* • CSA • Triple Layered Construction 	<ul style="list-style-type: none"> • FT-1 Flame Rating • 600 V • UV Resistant • RoHS Compliant • Operating Temp Range -40°C to 90°C • Extra Hard Usage
	Super-Trex® Triple-Gard® Black Portable Cord	<ul style="list-style-type: none"> • UL Listed • Type SOOW • Suitable for Class I, II, III, Division 1 & 2* • UV Resistant • RoHS Compliant • Extra Hard Usage 	<ul style="list-style-type: none"> • FT-1 Flame Rating • 600 V • MSHA Approved • CSA • Operating Temp Range -40°C to 90°C • Weather Resistant
	Super-Trex® Type W Portable Power & Automation Cable	<ul style="list-style-type: none"> • UL Listed • cUL Listed • ICEA S-75-381 • All Weather Usage • UV Resistant • IEEE 1202 Flame Rating 	<ul style="list-style-type: none"> • Type W – 2,000 V • FT-5 Flame Rating • Suitable for Class I, II, III, Division 1 & 2* • Operating Temp Range -40°C to 90°C • MSHA Approved • Extra Hard Usage
	Super-Trex® Type W / Type TC Portable Power & Automation Cable	<ul style="list-style-type: none"> • UL Listed • cUL Listed (3-6 conductors only) • Type TC-ER – 2,000 V • UV Resistant • Max Conductor Temp 90°C 	<ul style="list-style-type: none"> • Type W – 2,000 V • Extra Hard Usage • Suitable for Class I, II, III, Division 1 & 2* • ICEA S-75-381 • MSHA Approved
	Super-Trex® VFD Shielded Power Cable	<ul style="list-style-type: none"> • UL Listed • cUL • FT-4 Flame Rating • 600 V 	<ul style="list-style-type: none"> • Type TC-ER • Corona Resistant to 2,000 V • Max Conductor Temp 90°C

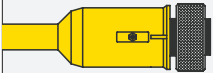

*When installed in accordance with NEC guidelines sections, 501.140, 502.140, 503.140.

QUICK-CONNECTS™ FAMILY OF CORD SETS & CABLE ASSEMBLIES

This rugged line of cord sets and cable assemblies is ideal for applications that require tough, sealed connectors.



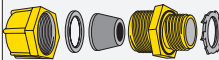


PRODUCT NAME		RATINGS	
	DC 18 AWG Super-Trex® SJOO Micro Quick-Connect™	<ul style="list-style-type: none"> • UL Recognized • cUL • Type SJOO • IP69K Rated 	<ul style="list-style-type: none"> • RoHS Compliant • Max Conductor Temperature 90°C • Straight & 90° Configurations
	DC 18 AWG Trex-Onics® Micro M12 Single Key Quick-Connects™	<ul style="list-style-type: none"> • UL Listed • cUL • IP68 Rated • RoHS Compliant 	<ul style="list-style-type: none"> • 300 V • 4 Amps • Single Key Design
	DIN Connector Assemblies	<ul style="list-style-type: none"> • RoHS Compliant 	
	Thermo-Trex® 500-Plus 12 AWG Cord Sets	<ul style="list-style-type: none"> • IP68 Rated • RoHS Compliant 	<ul style="list-style-type: none"> • 600 V • Operating Temperature up to 180°C

QUICK-CONNECTS™ (continued)

PRODUCT NAME	RATINGS	
 14 AWG Quick-Connect™ Cord Sets (3 & 4 Pole)	<ul style="list-style-type: none"> • IP68 Rated • IP69K Rated • RoHS Compliant 	<ul style="list-style-type: none"> • 600 V • Ampacity: 3 Pole – 18 Amps; 4 Pole – 15 Amps
 10 & 12 AWG Quick-Connect™ Cord Sets & Receptacles (3 & 4 Pole)	<ul style="list-style-type: none"> • IP68 Rated • IP69K Rated • RoHS Compliant 	<ul style="list-style-type: none"> • 600 V • 20-25 Amp Rated • Heavy-Duty


WIRE & CABLE ACCESSORIES

TPC offers a variety of accessories and tools to support the installation of cable and to extend the life of the cable.

PRODUCT NAME	RATINGS	
 Stainless Steel Grip-Seals® and Kord-Gard® Mesh Cord Grips	<ul style="list-style-type: none"> • UL Listed • CSA • RoHS Compliant • IP68 Rated • Sealing O-Ring 	<ul style="list-style-type: none"> • NEMA 4X Rated • Corrosion Resistant • Liquid Tight Seal • 304 Stainless Steel
 Nylon Kord-Gard® Mesh Cord Grips	<ul style="list-style-type: none"> • UL Listed • CSA • RoHS Compliant • Corrosion Resistant 	<ul style="list-style-type: none"> • Suitable for Use in Hazardous Locations per Class I, Div. 2, Class II, Div. 1 & 2, and Class III, Div. 1 & 2 • Extra Hard-Duty Strain Relief
 Nylon Straight and 90° Grip-Seals®	<ul style="list-style-type: none"> • UL Listed • CSA • RoHS Compliant • Liquid Tight Seal • Corrosion Resistant 	<ul style="list-style-type: none"> • Suitable for Use in Hazardous Locations per Class I, Div. 2, Class II, Div. 1 & 2, and Class III, Div. 1 & 2 • Strain Relief • Straight and 90° Configurations
 Heat & Chemically Resistant Straight Grip-Seals®	<ul style="list-style-type: none"> • UL Listed • CSA • RoHS Compliant • Extreme Temperature 	<ul style="list-style-type: none"> • Operating Temp Range -35°C to 150°C • Corrosion Resistant • Liquid Tight Seal
 Vulko-Wrap® Insulating Tape (Yellow & Black)	<ul style="list-style-type: none"> • CID A-A-59163A, Type II • Self-Vulcanizing Wrap • High Dielectric Strength 	<ul style="list-style-type: none"> • RoHS Compliant • Temperature Rating -60°F to 400°F

ENGINEERED CUSTOM CABLE

Custom cable products are designed using information provided by the customer to solve a particular problem and so demonstrate the valuable in-house engineering service TPC offers.

PRODUCT NAME	RATINGS	
 High Flex Vision Cable Systems	<ul style="list-style-type: none"> • Abrasion Resistant • Oil Resistant • Chemical Resistant 	<ul style="list-style-type: none"> • Operating Temp Range -40°C to 90°C • UV Resistant • Flame Retardant



TPC WIRE & CABLE CORP.
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