



# THERMO-TREX<sup>®</sup>

High Temperature Wire,  
Cable & Sleeving

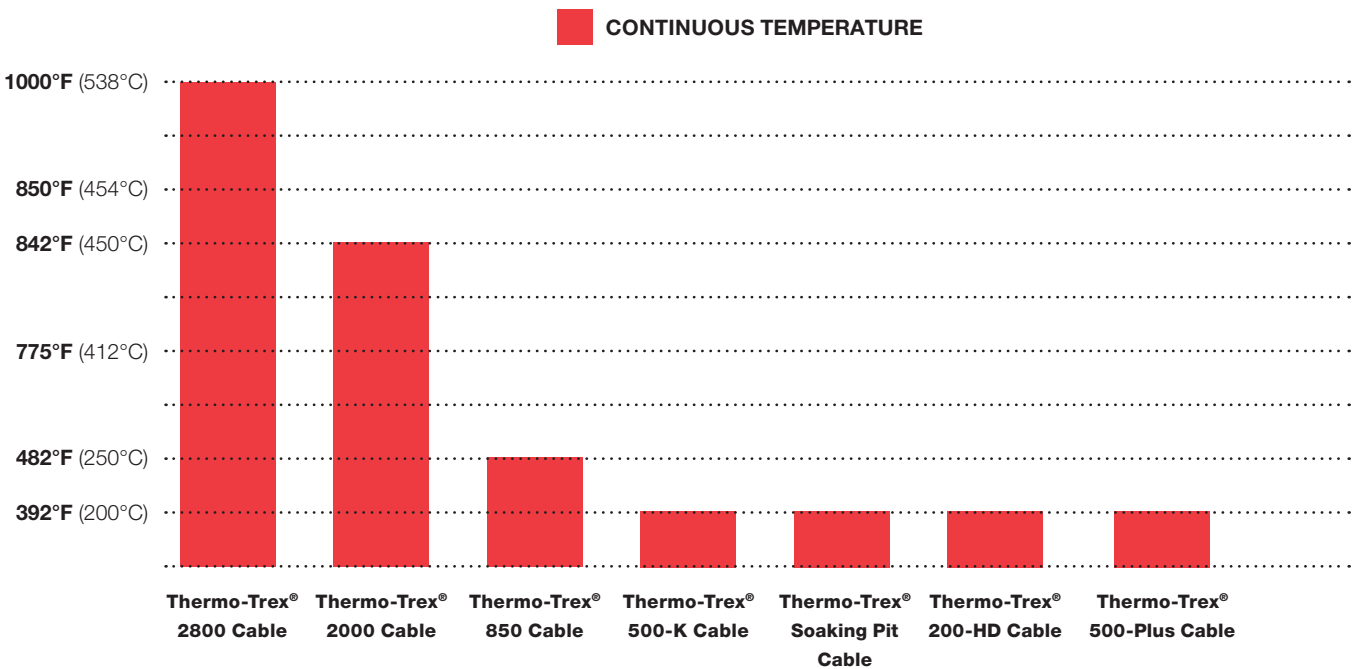


TPC WIRE & CABLE



## Cable Selection Guide for High Temperature Environments

TPC's Thermo-Trex® cable is the solution for a high temperature resistant cable available in many different configurations gauge sizes for power or control applications. Flexibility is achieved by using finely stranded, nickel and tin plated copper conductors and a specially woven glass-braid jacket with abrasion resistant finishing compounds. These cables are a specialized line of high temperature wire and cable for your maintenance applications. Choosing the right product for high-heat environments reduces unnecessary replacements and avoids downtime. Use the chart below to make the best choice for your high temperature environment.



### HIGH TEMPERATURE CABLES

**Thermo-Trex® 2800:** High heat resistance allows this cable to withstand maximum conductor temperature up to 538°C (1,000°F).

**Thermo-Trex® 2000:** High heat resistance allows this cable to withstand maximum conductor temperature up to 454°C (850°F).

**Thermo-Trex® 850 Cable:** High heat resistance allows this cable to withstand maximum conductor temperature up to 250°C (482°F).

**Thermo-Trex® 500-K Cable:** High heat resistance allows this cable to withstand maximum conductor temperature up to 200°C (392°F). The aramid fiber braid jacket

**Thermo-Trex® 500-K Cable (Continued):** adds tensile strength and added protection against abrasion. It is available in single or multi-conductors.

**Thermo-Trex® Soaking Pit Cable:** High heat resistance allows this cable to withstand maximum conductor temperature up to 200°C (392°F). Aramid fiber jacket with stainless steel braid offers maximum abrasion protection.

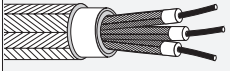

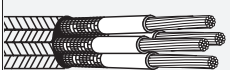

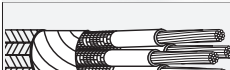




**Thermo-Trex® 200-HD Cable:** High heat resistance allows this cable to withstand maximum conductor temperature up to 200°C (392°F). The high-density fabric jacket adds protection against cut-through and abrasion.

**Thermo-Trex® 500-Plus Silicone Cable:** Designed with a moisture resistant silicone jacket and rated at a maximum conductor temperature of 200°C (392°F). It is an ideal choice for applications exposed to high temperatures, UV light and mechanical abuse.

## HIGH TEMPERATURE CABLES

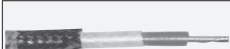
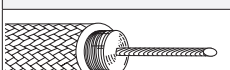

Choosing the right high temperature cable for high-heat environments reduces unnecessary replacements and avoids downtime. TPC has designed a specialized family of wire and cable products that can take the heat. All of these high temperature cables can withstand applications that need to sustain a continuous temperature and can withstand flash heat.

Our Thermo-Trex® high temperature wire, cable and sleeving solutions is available in many configurations and gauge sizes for power or control applications.

PRODUCT NAME	RATINGS
 <b>Thermo-Trex® 2800 Cable</b>	<ul style="list-style-type: none"> <li>• 600 V</li> <li>• RoHS Compliant</li> <li>• Max Conductor Temp 537°C (1000°F)</li> <li>• Cold Temperature Rating -65°C</li> </ul>
 <b>Thermo-Trex® 2000 Cable</b>	<ul style="list-style-type: none"> <li>• 600 V</li> <li>• RoHS Compliant</li> <li>• UL Recognized</li> <li>• Max Conductor Temp 454°C (850°F)</li> <li>• Cold Temperature Rating -65°C</li> </ul>
 <b>Thermo-Trex® 850 Cable</b>	<ul style="list-style-type: none"> <li>• UL Recognized</li> <li>• CSA</li> <li>• 600 V</li> <li>• Max Conductor Temp 250°C (482°F)</li> <li>• Cold Temperature Rating -65°C</li> <li>• RoHS Compliant</li> </ul>
 <b>Thermo-Trex® Soaking Pit Cable</b>	<ul style="list-style-type: none"> <li>• 600 V</li> <li>• Max Conductor Temp 200°C (392°F)</li> <li>• Stainless steel braid with 95% coverage</li> </ul>
 <b>Thermo-Trex® 500-K Multi-Conductor Cable</b>	<ul style="list-style-type: none"> <li>• 600 V</li> <li>• RoHS Compliant</li> <li>• Max Conductor Temp 200°C (392°F)</li> </ul>
 <b>Thermo-Trex® 500-K Single Conductor Cable</b>	<ul style="list-style-type: none"> <li>• UL Recognized</li> <li>• 600 V</li> <li>• Max Conductor Temp 200°C (392°F)</li> <li>• RoHS Compliant</li> </ul>
 <b>Thermo-Trex® 200-HD Multi-Conductor Cable</b>	<ul style="list-style-type: none"> <li>• 600 V</li> <li>• RoHS Compliant</li> <li>• Max Conductor Temp 200°C (392°F)</li> <li>• Cold Temp Rating -60°C</li> </ul>
 <b>Thermo-Trex® 200-HD Single Conductor Cable</b>	<ul style="list-style-type: none"> <li>• UL Recognized</li> <li>• 600 V</li> <li>• Zero Halogen</li> <li>• Max Conductor Temp 200°C (392°F)</li> <li>• Cold Temp Rating -60°C</li> <li>• VW-1 Flame Rating</li> </ul>
 <b>Thermo-Trex® 500-Plus Silicone Cable</b>	<ul style="list-style-type: none"> <li>• UL Recognized</li> <li>• CSA</li> <li>• RoHS Compliant</li> <li>• 600 V</li> <li>• Max Conductor Temperature 200°C</li> <li>• FT-2 Flame Rating</li> <li>• Cold Temperature Rating -40°C</li> </ul>


## IGNITER CABLES

Igniter cables are responsible for conducting voltage to spark plugs with as little loss as possible—an important feature when you need performance and cannot afford downtime due to products that grow weak or fail to perform.

PRODUCT NAME	RATINGS
 <b>Thermo-Trex® Flare Stack Cable</b>	<ul style="list-style-type: none"> <li>• 25 kV</li> <li>• 25 kVDC</li> <li>• Max Conductor Temp 250°C</li> </ul>
 <b>Thermo-Trex® Igniter Wire with Fiberglass Jacket</b>	<ul style="list-style-type: none"> <li>• RoHS Compliant</li> <li>• Max Conductor Temperature 538°C</li> <li>• 25kVDC / 17kVAC</li> </ul>
 <b>Thermo-Trex® Igniter Wire with Fluoropolymer Jacket</b>	<ul style="list-style-type: none"> <li>• UL Listed</li> <li>• RoHS Compliant</li> <li>• Max Conductor Temp 250°C</li> <li>• 25kVDC / 17kVAC</li> </ul>



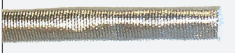



## THERMOCOUPLE EXTENSION WIRE

Used for extending a connection from the thermocouple probe to the instrumentation control system, thermocouple extension wire is economical for many industries. TPC offers a selection of this wire in several types and grades.

PRODUCT NAME	RATINGS
 <b>Type JX, KX, RSX Thermocouple Extension Wire</b>	<ul style="list-style-type: none"> <li>• RoHS Compliant</li> <li>• High Chemical Resistance from FEP &amp; PFA Jacket</li> </ul>






## HIGH TEMPERATURE SLEEVES

High temperature sleeving provides long-term durability in the harshest industrial environments. Our ceramic, silica, fiberglass and silicone and abrasion-resistant sleeves offer exceptional protection and longer life to give you peace of mind and the confidence that your cables and cords are strong enough to resist damage from flame, heat, chemical or other destructive forces.

PRODUCT NAME		RATINGS	
	<b>Ceramic Ultra-Sleeve™</b>	<ul style="list-style-type: none"> <li>• Continuous Temps up to 2200°F</li> <li>• Intermittent Temps up to 2600°F</li> <li>• Fits cable sizes from 0.25" to 1.50"</li> </ul>	<ul style="list-style-type: none"> <li>• RoHS Compliant</li> <li>• Excellent Flame Resistance</li> </ul>
	<b>Fiberglass Ultra-Sleeve™</b>	<ul style="list-style-type: none"> <li>• Continuous Temps up to 1000°F</li> <li>• Fits cable sizes from 0.25" to 2.50"</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent Temp Resistance</li> <li>• RoHS Compliant</li> </ul>
	<b>Reflective Fiberglass Ultra-Sleeve™</b>	<ul style="list-style-type: none"> <li>• Continuous Temps up to 400°F</li> <li>• Extreme Temps up to 1000°F</li> <li>• Fits cable sizes from 0.75" to 4.00"</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent Moisture &amp; Chemical Resistance</li> <li>• RoHS Compliant</li> </ul>
	<b>Silicone Fiberglass Ultra-Sleeve™</b> (With & Without Hook & Loop Enclosure)	<ul style="list-style-type: none"> <li>• Continuous Temps from -65°F to 500°F</li> <li>• Extreme Temps up to 2000°F</li> <li>• Fits cable sizes from 0.25" to 4.00"</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent Moisture &amp; Chemical Resistance</li> <li>• RoHS Compliant</li> </ul>
	<b>Thermo-Trex® Silica Ultra-Sleeve™</b>	<ul style="list-style-type: none"> <li>• Continuous Temps up to 1800°F</li> <li>• Max Short Term Exposure 3000°F</li> <li>• Molten Splash Resistance: Good</li> <li>• Weld Splatter Resistance: Excellent</li> </ul>	<ul style="list-style-type: none"> <li>• Flame Resistance: Outstanding</li> <li>• Flexibility: Outstanding</li> <li>• Abrasion Resistance: Moderate</li> <li>• Water, Oil Resistance: Moderate</li> </ul>
	<b>Thermo-Trex® High Temperature Silica Tape</b>	<ul style="list-style-type: none"> <li>• Continuous Temp Rating 1800°F (982°C)</li> <li>• Easy to install</li> </ul>	<ul style="list-style-type: none"> <li>• Intermittent Exposure up to 2300°F (1260°C)</li> <li>• Abrasion &amp; cut resistant</li> </ul>

## ABRASION RESISTANT SLEEVES

TPC Abrasion Resistant Ultra-Sleeves™ offer superior protection against tearing and punctures, adding life to electrical cables, water lines, hydraulic hoses and air lines in critical areas.

PRODUCT NAME		RATINGS	
	<b>Abrasion Resistant Ultra-Sleeve™</b>	<ul style="list-style-type: none"> <li>• Continuous Temps up to 150°F</li> <li>• Cold Temp Rating -40°C</li> <li>• Fits Cable Sizes from 2.0" to 6"</li> </ul>	<ul style="list-style-type: none"> <li>• Abrasion Resistant</li> <li>• RoHS Compliant</li> </ul>
	<b>Abrasion Resistant Ultra-Sleeve™ with Closures</b>	<ul style="list-style-type: none"> <li>• Abrasion Resistant, Heavy-Duty</li> <li>• Multiple Closure Options</li> <li>• Quick and Easy Installation</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple Lengths and Cable Diameters</li> <li>• Continuous Temp Range -40°F to 150°F</li> </ul>
	<b>Thermo-Trex® Chemical &amp; Moisture Resistant Ultra-Sleeve™ with Closures</b>	<ul style="list-style-type: none"> <li>• Continuous Operating Temp -51°C — 121°C (-60°F — 250°F)</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent Moisture &amp; Chemical Resistance</li> </ul>
	<b>Stainless-Steel Braid Ultra-Sleeve™</b>	<ul style="list-style-type: none"> <li>• 304 Stainless Steel</li> </ul>	<ul style="list-style-type: none"> <li>• Fits cables from 3/16" to 2"</li> </ul>
	<b>Stainless-Steel Flexible Tubing</b>	<ul style="list-style-type: none"> <li>• 304 Stainless Steel</li> </ul>	<ul style="list-style-type: none"> <li>• Fits cables from 1/4" to 3"</li> </ul>

