THERMO-TREX®
Family of High Temperature Wire, Cable & Sleeving
Cable Selection Guide for High Temperature Environments

TPC’s Thermo-Trex® brand cable is the source for a high temperature resistant cable available in many configurations that offers gauge sizes for power or control applications. Flexibility is achieved by using finely stranded, nickel-plated copper conductors and a specially woven glass-braid jacket impregnated with abrasion resistant finishing compounds. These cables are a specialized family 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. If you have any questions, please contact your sales representative or call us at 800-521-7935.

### HIGH TEMPERATURE CABLES

**Thermo-Trex® 2800**: High heat resistance allows this cable to withstand continuous temperatures up to 1,000°F and flash heat up to 3,000°F.

**Thermo-Trex® 2000**: High heat resistance allows this cable to withstand continuous temperatures up to 850°F and flash heat up to 2,000°F.

**Thermo-Trex® 850 Cable**: High heat resistance allows this cable to withstand continuous temperatures up to 500°F and flash heat up to 850°F.

**Thermo-Trex® 500-K Cable**: High heat resistance allows this cable to withstand continuous temperatures up to 392°F and flash heat up to 775°F. The aramid fiber braid jacket adds tensile strength and added protection against abrasion. It is available in single or multi-conductors.

**Thermo-Trex® 500 Cable**: High heat resistance allows this cable to withstand continuous temperatures up to 392°F and flash heat up to 775°F.

**Thermo-Trex® 200-HD Cable**: High heat resistance allows the Thermo-Trex® 200-HD to withstand continuous temperatures up to 392°F (200°C) and flash heat up to 775°F (413°C). The high-density fabric jacket adds protection against cut-through and abrasion.

**Thermo-Trex® 500-Plus Silicone Cable**: Thermo-Trex® 500-Plus Silicone Cable is designed with a tear resistant silicone jacket and rated at a conductor temperature of 200°C (392°F). It is an ideal choice for applications exposed to high temperatures, UV light and mechanical abuse. This is a low smoke zero halogen (LSZH) product.

**Thermo-Trex® High Temp Flat Festoon Cable**: High heat resistance allows this cable to withstand continuous temperatures up to 392°F. Finely stranded, nickel-plated copper conductors ensure a high degree of flexibility in festoon applications.
## HIGH TEMPERATURE CABLES

Thermo-Trex® is the source for a high temperature resistant cable available in many configurations that offers gauge sizes for power or control applications. Flexibility is achieved by using finely stranded conductors and a specially woven fiberglass jacket impregnated with heat and moisture resistant finishing compounds.

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>RATINGS</th>
</tr>
</thead>
</table>
| Thermo-Trex® 2800 Cable | • UL Listed  
• 600 V  
• RoHS Compliant  
• Continuous Temps up to 1000°F (537°C)  
• Extreme Temps up to 3000°F (1649°C) |
| Thermo-Trex® 2000 Cable | • 600 V  
• RoHS Compliant  
• Continuous Temps up to 850°F (454°C)  
• Extreme Temps up to 2000°F (1093°C) |
| Thermo-Trex® 850 Cable | • UL Recognized  
• CSA  
• 600 V  
• 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 | • 600 V  
• RoHS Compliant  
• Continuous Temps up to 392°F (200°C)  
• Extreme Temps up to 775°F (413°C) |
| Thermo-Trex® 500-K Single Conductor Cable | • UL Recognized  
• 600 V  
• RoHS Compliant  
• Continuous Temps up to 392°F (200°C)  
• Extreme Temps up to 775°F (413°C) |
| Thermo-Trex® 200-HD Multi-Conductor Cable | • 600 V  
• Operating Temp Range -60°C to 200°C (-76°F to 392°F)  
• RoHS Compliant  
• Withstands Flash Heat Up to 413°C (775°F) |
| Thermo-Trex® 200-HD Single Conductor Cable | • UL Recognized  
• cUL  
• CSA  
• 600 V  
• Operating Temp Range -60°C to 200°C (-76°F to 392°F)  
• Low Smoke Zero Halogen  
• VW-1 Flame Rating  
• Continuous Temps up to 392°F (200°C)  
• Extreme Temps up to 775°F (413°C)  
• RoHS Compliant |
| Thermo-Trex® 500 Cable | • UL Recognized  
• CSA  
• 600 V  
• Continuous Temps up to 500°F (260°C)  
• Extreme Temps up to 850°F (454°C)  
• RoHS Compliant |
| Thermo-Trex® 500-Plus Silicone Cable | • UL Listed  
• cUL  
• 600 V  
• RoHS Compliant  
• Max Conductor Temperature 200°C  
• CE  
• Low Smoke Zero Halogen |
| Thermo-Trex® High Temp Flat Festoon Cable | • 600 V  
• Cold Temp. Rating -55°C  
• Max Conductor Temp 200°C |

## IGNITER CABLES

Thermo-Trex® is the source for a high temperature resistant cable available in many configurations that offers gauge sizes for power or control applications. Flexibility is achieved by using finely stranded conductors and a specially woven fiberglass jacket impregnated with heat and moisture resistant finishing compounds.

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| Flare Stack Cable | • 25 kV  
• Max Conductor Temp 250°C |
| Igniter Wire with Fiberglass Jacket | • 25 KVDC / 17KVAC  
• RoHS Compliant  
• Max Conductor Temp. 538°C |
| Igniter Wire with Fluoropolymer Jacket | • 25 KVDC  
• RoHS Compliant  
• UL Listed  
• Max Conductor Temp. 250°C |
WARRANTY AND DISCLAIMER:
Seller makes no warranties, express or implied, with respect to this product, and seller disclaims any implied warranties of merchantability or fitness for any particular purpose. Further, seller will not be responsible for any consequential, incidental or indirect damages (including, but not limited to, any loss of profit) from any cause whatsoever.

TPC Wire & Cable Corp. has a cable sleeve option for every industrial environment imaginable. Our ceramic, silica, fiberglass, silicone and abrasion-resistant sleeves offer exceptional protection 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.

**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.

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**THERMOCOUPLE EXTENSION WIRE**
There are several types and grades of thermocouple extension wire and at TPC we give you a wide variety to choose from. Thermocouple extension wire is used for extending the connection from the thermocouple probe to the instrumentation control system. Its length requirements make this type of thermocouple extension wire economical for many industries.

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<tr>
<th>PRODUCT NAME</th>
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<tbody>
<tr>
<td>Type JX, KX, RSX Thermocouple Extension Wire</td>
<td>• RoHS Compliant</td>
</tr>
<tr>
<td></td>
<td>• High Chemical Resistance from FEP &amp; PFA Jacket</td>
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**HIGH TEMPERATURE SLEEVES**

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
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<tbody>
<tr>
<td>Ceramic Ultra-Sleeve™</td>
<td>• Continuous Temps up to 2,200°F</td>
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<tr>
<td></td>
<td>• Intermittent Temps up to 2,600°F</td>
</tr>
<tr>
<td></td>
<td>• Fits cable sizes from 0.25” to 1.50”</td>
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<td>• RoHS Compliant</td>
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<tr>
<td></td>
<td>• Excellent Flame Resistance</td>
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<tr>
<td>Fiberglass Ultra-Sleeve™</td>
<td>• Continuous Temps up to 1,000°F</td>
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<tr>
<td></td>
<td>• Fits cable sizes from 0.25” to 2.50”</td>
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<td></td>
<td>• Excellent Temp Resistance</td>
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<tr>
<td></td>
<td>• RoHS Compliant</td>
</tr>
<tr>
<td>Reflective Fiberglass Ultra-Sleeve™</td>
<td>• Continuous Temps up to 400°F</td>
</tr>
<tr>
<td></td>
<td>• Extreme Temps up to 1,000°F</td>
</tr>
<tr>
<td></td>
<td>• Fits cable sizes from 0.75” to 1.50”</td>
</tr>
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<td>• Excellent Moisture &amp; Chemical Resistance</td>
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<td>• RoHS Compliant</td>
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<tr>
<td>Silicone Fiberglass Ultra-Sleeve™ (With &amp; Without Hook &amp; Loop Enclosure)</td>
<td>• Continuous Temps from -65°F to 500°F</td>
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<td>• Extreme Temps up to 2,000°F</td>
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<tr>
<td>Thermo-Trex® Silica Ultra-Sleeve™</td>
<td>• Continuous Temps up to 1,800°F</td>
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<td></td>
<td>• Max Short Term Exposure 3,000°F</td>
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<td>• Flame Resistance: Outstanding</td>
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<td></td>
<td>• Flexibility: Outstanding</td>
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<td></td>
<td>• Abrasion Resistance: Moderate</td>
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<tr>
<td></td>
<td>• Water, Oil Resistance: Moderate</td>
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<td></td>
<td>• RoHS Compliant</td>
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<tr>
<td>Thermo-Trex® Chemical &amp; Moisture Resistant Ultra-Sleeve™ with Closures</td>
<td>• Continuous Operating Temp -51°C – 121°C (-60°F – 250°F)</td>
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<td>• Continuous Temps from -65°F to 500°F</td>
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<tr>
<td>Abrasion Resistant Ultra-Sleeve™</td>
<td>• Continuous Temps up to 500°F</td>
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<tr>
<td></td>
<td>• Cold Temp Rating -40°C</td>
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<td></td>
<td>• Fits Cable Sizes from 2.0” to 6”</td>
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<tr>
<td></td>
<td>• Abrasion Resistant</td>
</tr>
<tr>
<td></td>
<td>• RoHS Compliant</td>
</tr>
<tr>
<td>Abrasion Resistant Ultra-Sleeve™ with Closures</td>
<td>• Abrasion Resistant, Heavy-Duty</td>
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<td>• Multiple Closure Options</td>
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<td>• Quick and Easy Installation</td>
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<td>• Multiple Lengths and Cable Diameters</td>
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CHILE 1230-020-0229 • COLOMBIA 0-1-800-915-7519 • PERU 0800-54863 • WWW.TPCWIRE.COM

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