

Thermo-Trex[®]

High Temperature Wire, Cable & Sleeving



TPC

A Premier Farnell Company

High
Temperature
Wire

Chem-Gard[™]

Igniter Wire

Sleeving

Four high temperature product lines with four temperature ranges

Chemical, oil, moisture and vapor-resistant products

Special put-ups, low minimum orders to suit your requirements

In stock — broad and deep inventories mean fast service



Thermo-Trex[®] High Temp



THERMO-TREX 2800

Continuous temperatures up to **1000°F**
Extreme temperatures up to **3000°F**

Extra heavy-duty woven glass braid jacket that's impregnated with Teflon to provide extra protection against moisture, heat and abrasion. Thermo-Trex 2800 is constructed with multiple layers of mica tape to provide superior protection from heat. Conductors are 27% nickel-plated 30AWG copper to provide extra heat protection and increased flexibility. These products are available in single and multiple conductor configurations.



THERMO-TREX 2000

Continuous temperatures up to **850°F**
Extreme temperatures up to **2000°F**

Specially woven glass-braid jacket is impregnated with Teflon finishing compounds to provide protection from moisture, heat and abrasion. Conductors are 27% nickel-plated 30AWG copper to provide extra heat protection and increased flexibility. These products are available in single and multiple conductor configurations.



THERMO-TREX 850

Continuous temperatures up to **500°F**
Extreme temperatures up to **850°F**

UL, CSA, 600 Volt

Specially woven glass-braid jacket with Teflon vapor barrier placed under the jacket to provide protection from moisture. The Ceramic wrap insulation acts as a heat barrier to protect the conductor. 2% nickel plated 30AWG copper provides increased flexibility. These products are available in single and multiple conductor configurations.



THERMO-TREX 500

Continuous temperatures up to **392°F**.
Extreme temperatures up to **775°F**.

UL, CSA, 600 Volt

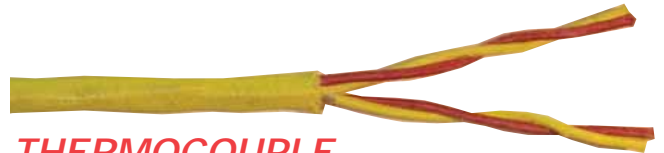
Woven glass braid jacket with silicone rubber insulation provides a heat and moisture barrier. Available with Black, White or Red jackets for easy identification. Flexible tinned copper conductor protects against corrosion and is easy to install.



THERMO-TREX 500-PLUS SILICONE CABLE

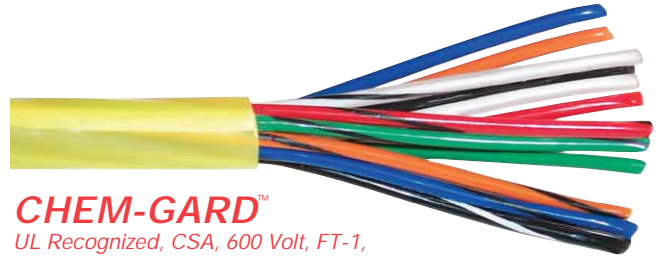
UL/cUL Recognized to 200°C, UL/cUL 600 Volt Rated, FT1/FT2, Low Smoke Zero Halogen, RoHS Compliant, CE

Thermo-Trex 500-Plus is designed with a tear-resistant silicone jacket that provides excellent protection against abrasion, mechanical abuse and is resistant to oils. It offers outstanding resistance to high temperatures, and remains flexible down to -40°C. The jacket material is low smoke/halogen free.



THERMOCOUPLE EXTENSION WIRE – JX & KX

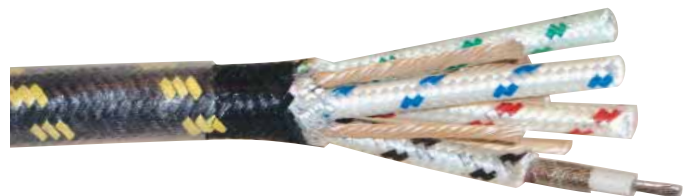
This extensive line of high quality Thermocouple extension wire gives you the ability to select the perfect cable for your application. With temperature ranges from 90°C up to 530°C in single and two pairs, these products will provide long service life and excellent protection from chemicals and heat.



CHEM-GARD™

UL Recognized, CSA, 600 Volt, FT-1, VW-1, 150°C & 200°C designs, -60°C

When you need a tough cable that will withstand the most extreme environments Chem-Gard is the perfect choice. Chem-Gard's Teflon jacket and insulation will hold up to harsh chemicals, high heat or extreme cold. Available in shielded or unshielded designs, single or multi-conductor and temperature ranges of 150°C or 200°C. Chem-Gard is built to last. Also available in M12 Quick-Connects™.



CIRCUIT INTEGRITY CABLE

Suitable for critical circuits that require electrical integrity in the event of fire.

Thermo-Trex CIC cable is used where critical circuits need to function to keep safety equipment running even when exposed to extreme heat or fire. Passes IEEE-1202/FT-4 flame test. Passes hydrocarbon pool fire test 2 hours @ 2000°F as well as many other extreme flame tests. Ask a TPC Sales Representative to learn more about this dynamic product.

ASK ABOUT OUR
ENGINEERED
PRODUCTS

Temperature Wire, Cable & Sleeving



IGNITER WIRE

18 AWG in both 15KVDC/15KV (1000°F/538°C)
& 25KVDC (482°F/200°C)

Nickel-plated copper conductors. Available with either mica tape-wrap insulation or PFA jacket.



CERAMIC ULTRA-SLEEVE™

Continuous temperature rating 2200°F.
Intermittent temperature rating 2600°F.

Inner Sleeve Diameter Range .25" to 1.50"

High density finely stranded spun ceramic fibers provide excellent cable protection. Extra thick braid design improves resistance to ultra high temperatures.



FIBERGLASS ULTRA-SLEEVE

Continuous temperature rating 1000°F.

Fits Cable Sizes From .25" to 2.25"

Extra thick braid coated with special finishing compounds provides abrasion, cutting and heat resistance.



REFLECTIVE FIBERGLASS ULTRA-SLEEVE

Continuous temperature rating 752°F.
Intermittent temperature rating 1000°F.

Inner Sleeve Diameter Range .75" to 1.50"

Aluminized heat seal film protects cables from radiant heat, fluids and chemicals.



SILICONE FIBERGLASS ULTRA-SLEEVE

Continuous temperature range of -65°F to +500°F.

Inner Diameter Range .25" to 1.50"

Extra thick silicone barrier covered by an aluminized jacket for excellent chemical and heat resistance.

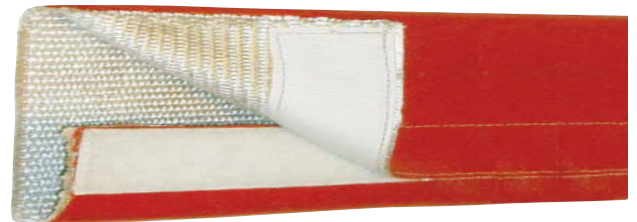


ABRASION RESISTANT ULTRA-SLEEVE

Continuous temperatures up to 500°F.

Fits Cable Sizes From 2.0" to 5.25"

Extra thick braid with finishing compounds provides abrasion and cutting resistance. Provides protection for cables, hoses, chains and many other applications.



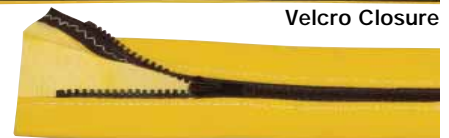
HIGH TEMPERATURE FIBERGLASS/SILICONE SLEEVE WITH CLOSURE

Extreme temperature to 3000°F (1650°C).

Ultra-heavy grade fiberglass base fabric coated with a heavy layer of specially compounded silicone rubber to resist high temperatures.



Velcro Closure



Zipper Closure



Velcro and Zipper Closure

ABRASION RESISTANT ULTRA-SLEEVE WITH CLOSURES

Select Velcro, zipper or combination Velcro and zipper closure design. Provides quick field installation and removal of sleeving. Specially designed with heavy duty nylon/polyester fibers and impregnated with abrasion resistant polymers to provide abrasion protection in harsh applications.

Thermo-Trex®

High Temperature
Wire, Cable &
Sleeving

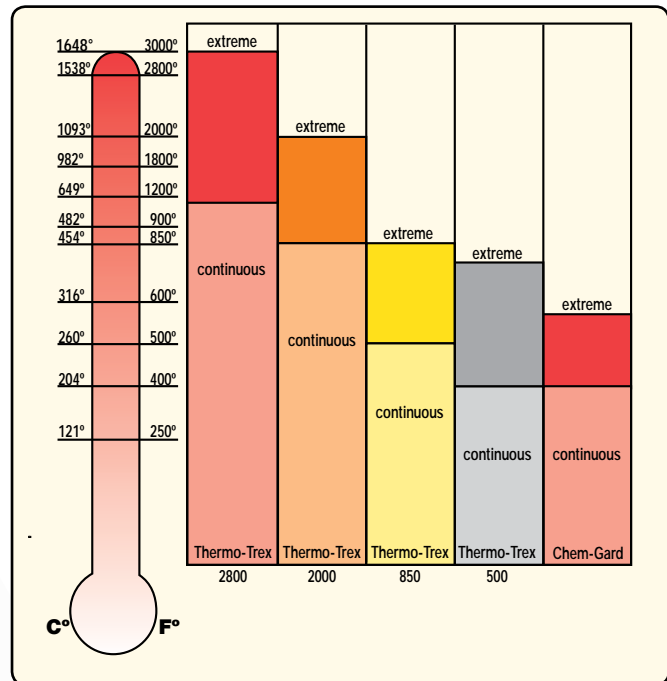


Choosing the right product for high-heat environments reduces unnecessary replacements and avoids downtime.

Thermo-Trex is a specialized family of high-temperature wire, cable and sleeving for your maintenance applications.

Thermo-Trex provides a simple solution to all of your high-temperature wire needs!

CABLE SELECTION CHART



SLEEVING SELECTION CHART *

Condition	Ceramic	Fiberglass	Silicone	Reflective	Abrasion Resistant
Temperature 250°F - 500°F	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Temperature 501°F - 1000°F	EXCELLENT	EXCELLENT	POOR	EXCELLENT <i>(up to 750°F)</i>	POOR
Temperature 1001°F - 2600°F	EXCELLENT	POOR	POOR	POOR	POOR
Flame Short Term	EXCELLENT	GOOD	POOR	GOOD	GOOD
Flame Long Term	EXCELLENT	POOR	POOR	POOR	POOR
Moisture	POOR	POOR	EXCELLENT	EXCELLENT	POOR
Chemical	POOR	POOR	EXCELLENT	EXCELLENT	POOR
Tearing	POOR	POOR	EXCELLENT	EXCELLENT	EXCELLENT
Abrasion	GOOD	GOOD	POOR	GOOD	EXCELLENT

*This selection chart is meant to be used only as a general guide in selecting the proper sleeving. The selection of individual sleeving products is based on their performance in conjunction with a high temperature cord or cable product.



TPC WIRE & CABLE, CORP.

A Premier Farnell Company

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