

Control/Instrumentation

Thermo-Trex® 2000 Cable

Thermo-Trex® 2000 is a high-temperature resistant cable for power and control applications that can withstand a maximum conductor temperature of 450°C / 850°F.

This flexible control and instrumentation cable features finely stranded, nickel-plated copper conductors and a specially woven glass-braid jacket impregnated with abrasion-resistant finishing compounds.



Ratings



600V

Max Conductor Temperature 450°C

Cold Temperature Rating -65°C

AWM Style 5107

CSA AWM Class I Group A (Single Conductor Configurations)

CSA AWM Class I Group A/B (Multi-Conductor Configurations)

FT1 Flame Rating

Performance Characteristics

✓ Bend Radius (Static): 6x Cable O.D. ✓ Bend Radius (Dynamic): 8x Cable O.D.

Engineered to Resist



Flexing



High Temperature



Cold Temperature

Features & Benefits

Finely Stranded Nickel-Plated Copper Conductors

Fine stranding improves flex-life and reduces conductor fatigue and breakage. Nickel-plated conductors allow for high heat resistance.

Multi-Layered Mica/Glass Braid Insulation

Provides abrasion and heat resistance as well as conductor identification.

Dual Layered Mica Tape Wrap

Mica tape wrap is highly resistant to heat for long-term durability.

Specially Designed Fiberglass Braid Jacket

Braided fiberglass jacket impregnated with high-temp finishing compounds to prevent fraying. Provides first line defense against abrasion and high heat.

Ordering Information

For complete product ordering information, please scan the QR Code or contact your ATPC sales representative

Part No.	Configuration AWG/Cond	Ampacity*	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland**
41103	22 AWG	15	0.095	8	55725
41106	20 AWG	19	0.105	10	55725
41109	18 AWG	27	0.115	12	55725
41112	16 AWG	37	0.125	16	55405
41115	14 AWG	51	0.140	23	55405
41118	12 AWG	68	0.160	31	55405
41121	10 AWG	94	0.210	52	55001
41124	8 AWG	130	0.265	78	55001
41127	6 AWG	177	0.310	115	55003
41104	22/3	11	0.238	37	55001
41134	16/4	31	0.345	74	55002
41140	16/16	15	0.630	285	55006
41139	12/4	55	0.415	132	55004



Notes

*Ampacity based on 40°C ambient, 450°C conductor temperature with one ground per the IEEE Standard 835 Power Cable Ampacity Tables.

**Crip-Seals® Aluminum straight cable gland part number listed. Sizing based on nominal cable O.D. Due to process tolerances, a smaller/larger gland size may be required. Confirm NPT Fitting Size matches application. Non-standard Cable Glands listed for small Nominal O.D. Cables.