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**

RoHS compliant | 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 TPC 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 | 0.617 | 356 | 55006 |
| 41139 | 12/4 | 55 | 0.415 | 132 | 55004 |

**Notes**

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

***Grip-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.*