

Control/Instrumentation

Thermo-Trex® 850 Cable

Thermo-Trex® 850 is a high-temperature resistant cable for power and control applications that can withstand a maximum conductor temperature of 250°C / 482°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 250°C

Cold Temperature Rating -65°C

AWM Style 5251

CSA Class I Group A/B

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.

PTFE Wrap with Fiberglass Braid Over Each Conductor

Provides abrasion and high heat resistance as well as conductor identification.

Thermal Barrier Ceramic Wrap

Offers high heat resistance for long-term durability and protects against moisture.

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**
41062	18 AWG	30	0.110	13	N/A
41065	16 AWG	40	0.120	18	N/A
41068	14 AWG	55	0.140	24	55405
41071	12 AWG	72	0.160	34	55405
41074	10 AWG	97	0.185	51	55001
41084	16/4	31	0.332	84	55002
41087	16/12	15	0.566	224	55005
41089	12/4	60	0.423	158	55004

**Notes**

*Ampacity is based on 40°C ambient 250°C conductor temperature per the IEEE Standard 835 Power Cable Ampacity Table...

**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 OD cables.