

## 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 &amp; 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 ATPC 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.