

## Power Cable

# Thermo-Trex® 500-K Single Conductor Cable

Thermo-Trex® 500-K Single Conductor is a high-temperature resistant cable for power and control applications that can withstand a maximum conductor temperature of 200°C / 392°F. This single conductor power, control, and instrumentation cable features stranded, tinned copper conductors and a specially woven aramid fiber braid jacket impregnated with heat and moisture-resistant finishing compounds, providing tensile strength and added protection against abrasion.



## Ratings



600V

Max Conductor Temperature 200°C

AWM Style 3410

## Performance Characteristics

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

## Engineered to Resist



Flexing



Abrasion



Tension



High Temperature

## Features &amp; Benefits

### Tinned Copper Conductors

Tinned conductors resist corrosion and are easier to solder.

### Silicone Rubber Insulation

Provides resistance to heat, moisture, and chemicals.

### TFE Wrap

Improves performance in flexing applications and provides an additional thermal barrier to extend product life in extreme temperature environments.

### Aramid Fiber Braid Jacket

Heat and moisture resistant Aramid fiber braid jacket provides added protection against abrasion.

### Optional Stainless Steel Overbraid

Provides enhanced protection against abrasion and other environmental abuses.

## 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**
44002	16 AWG	37	0.200	24	55001
44003	14 AWG	51	0.220	30	55001
44004	12 AWG	66	0.240	40	55001
44005	10 AWG	89	0.270	50	55001
44006	8 AWG	125	0.375	90	55004
44007	6 AWG	167	0.415	125	55004
44008	4 AWG	226	0.475	185	55004
44009	2 AWG	305	0.540	270	55006
44010	1 AWG	362	0.625	360	55006
44011	1/0 AWG	422	0.670	435	55007
44012	2/0 AWG	492	0.725	530	55007
44013	3/0 AWG	574	0.785	650	55008
44014	4/0 AWG	671	0.850	810	55009
44015	250 kcmil	756	0.945	960	55010
44016	350 kcmil	947	1.060	1310	55012
44017	500 kcmil	1202	1.215	1830	55013



## Notes

\*Ampacity based on ambient temperature of 40°C and conductor temperature of 200°C per IEEE Std. 835 Standard 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.