


## Power Cable

## Thermo-Trex® 500-K Multi-Conductor Cable

Thermo-Trex® 500-K Multi-Conductor Cable is a high-temperature resistant cable for power and control applications that can withstand a maximum conductor temperature of 200°C / 392°F. This flexible power, control and instrumentation cable features 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

**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 & Benefits

#### Tinned Copper Conductors

Tinned conductors resist corrosion and are easier to solder.

#### Silicone Rubber & Fiberglass Yarn Insulation

Silicone rubber insulation covered by color-coded braided fiberglass yarn impregnated with a saturant to minimize fraying.

#### 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**
44027	14/2	40	0.413	55	55002
44028	14/3	40	0.430	75	55004
44029	14/4	40	0.474	100	55004
44030	14/5	32	0.528	125	55005
44031	14/7	32	0.625	170	55006
44032	14/9	28	0.729	210	55007
44033	14/12	20	0.814	280	55008
44035	12/3	55	0.468	110	55004
44036	12/4	55	0.516	145	55005
44038	12/7	44	0.661	240	55007
44039	12/9	39	0.792	300	55007
44040	12/12	27	0.886	410	55009
44043	10/4	74	0.615	235	55006
44045	10/7	59	0.734	385	55007
44046	10/9	52	0.876	500	55009
44047	10/12	37	0.982	665	55010



#### 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.