

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 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 TPC 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

**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.