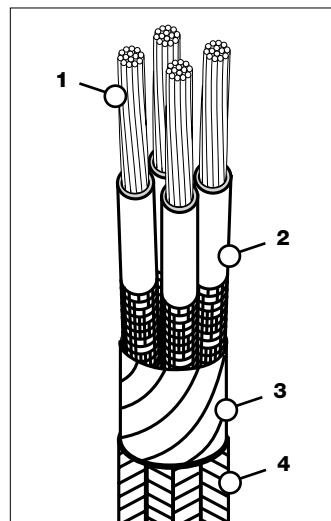


Thermo-Trex® 500-K Multi-Conductor Cable

- 600 V
- RoHS Compliant
- Max Conductor Temp 200°C (392°F)

Thermo-Trex® is the source for a high temperature resistant cable available in many configurations that offers gauge sizes for power or control applications. Flexibility is achieved by using finely stranded, tinned copper conductors and a specially woven aramid-braid jacket impregnated with heat and moisture resistant finishing compounds. High heat resistance allows the Thermo-Trex® 500-K to withstand continuous temperatures up to 392°F and flash heat up to 775°F. The aramid fiber braid jacket adds tensile strength and added protection against abrasion.



FEATURES & BENEFITS

- 1. CONDUCTORS** — Flexible tinned copper strands for improved flexibility.
- 2. INSULATION** — Silicone rubber provides resistance to heat, moisture and chemicals.
- 3. TFE WRAP** — Improves performance in flexing applications and provides an additional thermal barrier to extend product life in extreme temperature environments.
- 4. JACKET** — Heat and moisture resistant Aramid fiber braid jacket provides added protection against abrasion.
- 5. STAINLESS STEEL OVERBRAID** — Optional

APPLICATIONS

- Conveyors
- Pumps
- Furnaces
- Motor Operated Valves
- Emergency Isolation Valves
- Kiln Fans
- Flare Stacks
- Control Panels
- Crane Hoist

CONDUCTOR COLOR CODE					
COND	COLOR	TRACER	COND	COLOR	TRACER
1	Black	-	7	White	Black
2	White	-	8	Red	Black
3	Red	-	9	Green	Black
4	Green	-	10	Orange	Black
5	Orange	-	11	Blue	Black
6	Blue	-	12	Black	White

ORDERING INFORMATION (MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

PART NO.	CONDUCTOR SIZE (AWG)	CONDUCTOR STRANDING	SILICONE THICKNESS (IN)	ARAMID BRAID THICKNESS (IN)	AMPACITY ¹	NOMINAL O.D. (IN)	WT. (LBS) PER 1000 ¹
44027	14/2	7/22	0.045	0.030	36	0.413	55
44028	14/3	7/22	0.045	0.030	36	0.43	75
44029	14/4	7/22	0.045	0.030	36	0.474	100
44030	14/5	7/22	0.045	0.030	29	0.528	125
44031	14/7	7/22	0.045	0.030	29	0.625	170
44032	14/9	7/22	0.045	0.030	25	0.729	210
44033	14/12	7/22	0.045	0.030	18	0.814	280
44034	12/2	19/25	0.045	0.030	45	0.438	75
44035	12/3	19/25	0.045	0.030	45	0.468	110
44036	12/4	19/25	0.045	0.030	45	0.516	145
44037	12/5	19/25	0.045	0.030	36	0.619	175
44038	12/7	19/25	0.045	0.030	36	0.661	240
44039	12/9	19/25	0.045	0.030	32	0.792	300
44040	12/12	19/25	0.045	0.030	23	0.886	410
44041	10/2	19/23	0.045	0.045	60	0.485	125
44042	10/3	19/23	0.045	0.045	60	0.518	180
44043	10/4	19/23	0.045	0.045	60	0.615	235
44044	10/5	19/23	0.045	0.045	48	0.673	300
44045	10/7	19/23	0.045	0.045	48	0.734	385
44046	10/9	19/23	0.045	0.045	42	0.876	500
44047	10/12	19/23	0.045	0.045	30	0.982	665

NOTE: (1) Based on an ambient temperature of 40°C and conductor temperature of 200°C per NEC, Table 3.10.15(B)(18).

Choosing the right product for high-heat environments reduces unnecessary replacements and avoids downtime. Use the chart on page 10 to make the best choice for your high temperature environment. If you have any questions, please call us at 800-521-7935.