

SPECIFICATIONS

Alloy:	Nichrome 80 (80% Ni, 19.5% Cr, 1.45% Si)
Gauges:	16, 18, 20, 22, 24, 26, 28, 30, 32, 33, 34, 36
Increments:	10, 25, 50, 100, 250, 500, and 1000 ft 8oz, 1 lb, 1.5 lb, 3.5 lb, 5 lb
Shape:	Round
Heat treatment:	Annealed (soft)
Melting temp:	2552°F (1400°C)
Max operating temp:	2150°F (1180°C)
Density:	0.304 lbs per cubic inch
Specific gravity @ 68°F (20°C):	8.41
Thermal expansion:	14 x 10 ⁻⁶ per °C



APPLICATIONS

Heating elements (in hair dryers, electric ovens/toasters, kilns), model and high power rocket motor and recovery ejection charge ignition, heat sealers, poly cutters, foam cutting, resistors, rheostats, current-temperature controls, pyrotechnic ignition, electronic cigarettes, laboratory inoculating loops, release mechanisms, ceramic support in kilns.

FEATURES

- American Made Quality - perfectly drawn, consistent insulation thickness
- Level wound using computerized machinery - 100% quality guarantee
- Properly tensioned - zero elongation, zero scratches or other flaws
- For use at temperatures up to 1180°C (2150°F). High resistivity, good oxidation resistance and great form stability. Good ductility after use and excellent weldability.

TEMPERATURE FACTOR OF THE RESISTIVITY, Ct

Temperature	Factor
250°C (480°F)	1.02
500°C (930°F)	1.05
800°C (1470°F)	1.04
1000°C (1830°F)	1.05
1200°C (2190°F)	1.07

Gauge	Feet/lb.	Ohms/ft @ Room Temp	Diameter (mm)	Diameter (in.)
16	135	0.2519	1.29032	0.0508
18	215	0.4002	1.01600	0.0400
20	341	0.6348	0.81300	0.0320
22	546	1.0155	0.64260	0.0253
24	865	1.6089	0.51050	0.0201
26	1383	2.5711	0.40390	0.0159
28	2202	4.0942	0.32004	0.0126
30	3496	6.5	0.25400	0.0100
32	5463	10.1563	0.20320	0.0080
33	6936	12.8943	0.18034	0.0071
34	8809	16.3769	0.16002	0.0063
36	13986	26	0.12700	0.0050