

SPECIFICATIONS

Alloy:	Nichrome 60 (60% Ni, 16% Cr, 24% Fe)
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:	2462°F (1350°C)
Max operating temp:	2100°F (1150°C)
Density:	0.2979 lbs per cubic inch
Specific gravity @ 68°F (20°C):	8.247
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 1150°C (2100°F). High resistivity, good oxidation resistance and great form stability. Good ductility after use and excellent weldability.

RESISTIVITY FACTORS

Temperature 68°F (20°C), Factor 1.000

Temperature 212°F (100°C), Factor 1.019

Temperature 392°F (200°C), Factor 1.043

Temperature 572°F (300°C), Factor 1.065

Temperature 752°F (400°C), Factor 1.085

Temperature 932°F (500°C), Factor 1.093

Temperature 1112°F (600°C), Factor 1.110

Temperature 1292°F (700°C), Factor 1.114

Temperature 1472°F (800°C), Factor 1.123

Temperature 1652°F (900°C), Factor 1.132

Temperature 1832°F (1000°C), Factor 1.143

Gauge	Feet/lb.	Ohms/ft @ Room Temp	Diameter (mm)	Diameter (in.)
16	138.9	0.259	1.29032	0.0508
18	222.6	0.4219	1.01600	0.0400
20	347.8	0.6592	0.81300	0.0320
22	556.5	1.055	0.64260	0.0253
24	881.8	1.671	0.51050	0.0201
26	1413	2.67	0.40390	0.0159
28	2257	4.21	0.32004	0.0126
30	3584	6.68	0.25400	0.0100
32	5565	10.55	0.20320	0.0080
33	7092	13.2	0.18034	0.0071
34	9009	16.8	0.16002	0.0063
36	14347	26.7	0.12700	0.0050