

COIL WIRE HEATING ELEMENTS

Our coiled wires are made to your specification:

Applications

- Heat treating
- Kiln, different types of ovens
- Foundary
- For pottery

ALLOY NICKEL 60 %, CHROME 16 %, BALANCE IRON
 For temperature up to 2055 F (1125 C)
 Alloy 80/20 also available

B & S	Diameter inches	Ohms per Foot (68 F)	Ohms per Pound	Feet per Pound
6	,162	,02572	,3490	13,57
7	,144	,03255	,5589	17,17
9	,114	,05194	1,423	27,40
10	,102	,06488	2,221	34,23
12	,081	,1029	5,586	54,29
14	,064	,01648	14,33	86,96
15	,057	,2078	22,77	109,6
16	,051	,2595	35,53	136,9
17	,045	,3333	58,63	175,9
18	,040	,4219	93,91	222,6
19	,036	,5208	143,1	274,8
20	,032	,6592	229,3	347,8
21	,0285	,8310	364,3	438,4
23	,0226	1,322	921,9	697,4
24	,0201	1,671	1473	881,8
25	,0179	2,107	2341	1111
26	,0159	2,670	3773	1413
27	,0142	3,348	5913	1766
29	,0113	5,286	17740	2789
30	,0100	6,750	24040	3561
36	,0050	27,00	384800	14250

ALLOY KANTHAL A-1 ,ALUMINIUM 5,5 %, CHROME 22 %, BALANCE IRON
 For temperature up to 2505 F (1375 C)

B & S	Diameter inches	Ohms per Foot (68 F)	Ohms per Pound	Feet per Pound
6	,162	,03323	,5241	15,78
8	,128	,05281	1,325	25,07
10	,102	,08398	3,348	39,89
12	,081	,1335	8,463	63,41
13	,072	,1684	13,46	79,98
14	,064	,2124	21,40	100,8
15	,057	,2677	34,02	127,1
16	,051	,3376	54,11	160,3
17	,045	,4257	86,05	202,2
18	,040	,5369	136,9	255,0
19	,036	,6770	217,6	321,4
20	,032	,8537	346,1	405,5

RAISE IN RESISTANCE WHEN HEATED

Temperature F	68	212	392	572	752	932	1112
Temperature C	20	100	200	300	400	500	600
Factor Grade 60/15	1,00 0	1,01 9	1,04 3	1,06 5	1,08 5	1,09 3	1,110
Factor Grade Kanthal A-1	1,00 0	1,00 0	1,00 1	1,00 2	1,00 5	1,01 0	1,01 7

