

## Fe-Cr-Al Resistance heating alloy **【Resistance ·Length ·Weight】**

Alloys <b>KANTHAL A-1</b>	Resistivity (23°C μΩm) <b>1.45</b>
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Diameter (mm)	Diameter tolerance (mm)	cross section (mm <sup>2</sup> )	Resistance tolerance (%)	Resistance (Ω/m)	Length (m/Kg)	Weight (g/m)
10.00		78.54		0.0185	1.79	558
9.50		70.88		0.0205	1.99	503
8.25		53.46		0.0271	2.63	380
8.00		50.27		0.0288	2.80	357
7.50		44.18		0.0328	3.19	314
6.50		33.18		0.0437	4.24	236
6.00		28.27		0.0513	4.98	201
5.00		19.64		0.0738	7.17	139
4.50		15.90		0.091	8.9	112.9
4.00		12.56		0.115	11.2	89.2
3.50		9.621		0.151	14.6	68.3
3.25		8.296		0.175	17.0	58.9
3.20		8.042		0.180	17.5	57.1
3.00		7.069		0.205	19.9	50.2
2.90		6.605		0.220	21.3	46.9
2.80		6.158		0.235	22.9	43.7
2.60		5.309		0.273	26.5	37.7
2.30		4.155		0.349	33.9	29.5
2.00		3.142		0.462	44.8	22.3
1.80		2.545		0.57	55	18.07
1.60		2.011		0.72	70	14.28
1.50		1.767		0.82	80	12.55
1.40		1.539		0.94	91	10.93
1.30		1.327		1.09	106	9.42
1.20		1.131		1.28	125	8.03
1.00		0.7854		1.85	179	5.58

※ KANTHAL A-1, is a registered trademark of Sandvik AB

## Fe-Cr-Al Resistance heating alloy **【Resistance ·Length ·Weight】**

<b>Alloys</b>  <b>KANTHAL AF</b>	<b>Resistivity (23°C μΩm)</b>  <b>1.39</b>
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<b>Diameter</b>	<b>Diameter tolerance</b>	<b>cross section</b>	<b>Resistance tolerance</b>	<b>Resistance</b>	<b>Length</b>	<b>Weight</b>
<b>(mm)</b>	<b>(mm)</b>	<b>(mm<sup>2</sup>)</b>	<b>(%)</b>	<b>(Ω/m)</b>	<b>(m/Kg)</b>	<b>(g/m)</b>
10.00		78.54		0.01770	1.781	561.6
8.00		50.27		0.02765	2.782	359.4
7.50		44.18		0.03146	3.166	315.9
6.50		33.18		0.04189	4.215	237.3
6.00		28.27		0.04916	4.947	202.2
5.50		23.76		0.05851	5.887	169.9
5.00		19.64		0.07079	7.123	140.4
4.50		15.90		0.08740	8.794	113.7
4.00		12.57		0.1106	11.13	89.85
3.50		9.621		0.1445	14.54	68.79
3.20		8.042		0.1728	17.39	57.50
3.00		7.069		0.1966	19.79	50.54
2.90		6.605		0.2104	21.17	47.23
2.70		5.726		0.2428	24.43	40.94
2.60		5.309		0.2618	26.34	37.96
2.50		4.909		0.2832	28.49	35.10
2.30		4.155		0.3346	33.66	29.71
2.00		3.142		0.4425	44.52	22.46
1.80		2.545		0.5462	54.96	18.19
1.60		2.011		0.6913	69.56	14.38
1.50		1.767		0.7866	79.14	12.64
1.40		1.539		0.9030	90.85	11.01
1.30		1.327		1.047	105.4	9.490
1.20		1.131		1.229	123.7	8.086
1.00		0.7854		1.770	178.1	5.616
0.80		0.5027		2.765	278.2	3.594
0.70		0.3848		3.612	363.4	2.752
0.60		0.2827		4.916	494.7	2.022
0.50		0.1964		7.079	712.3	1.404
0.40		0.1257		11.06	1113	0.8985
0.35		0.0962		14.45	1454	0.6879
0.30		0.07069		19.66	1979	0.5054

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