

Vaping Cheat Sheet - www.VapingCheap.com

Kanthal A-1 (mm)	AWG	Resistance (Ω/m)	1cm (Ω/m)	1.5cm (Ω/m)	2cm (Ω/m)	2.5cm (Ω/m)	3cm (Ω/m)	3.5cm (Ω/m)	4cm (Ω/m)	4.5cm (Ω/m)	5cm (Ω/m)
0.15	34 = 0.16	81.00	0.81	1.22	1.62	2.03	2.43	2.84	3.24	3.65	4.05
0.17	33 = 0.18	63.01	0.63	0.95	1.26	1.58	1.89	2.21	2.52	2.84	3.15
0.20	32 = 0.202	43.60	0.44	0.65	0.87	1.09	1.31	1.53	1.74	1.96	2.18
0.23	31 = 0.227	32.85	0.33	0.49	0.66	0.82	0.99	1.15	1.31	1.48	1.64
0.25	30 = 0.255	29.30	0.29	0.44	0.59	0.73	0.88	1.03	1.17	1.32	1.47
0.27		25.53	0.26	0.38	0.51	0.64	0.77	0.89	1.02	1.15	1.28
0.28	29 = 0.286	22.69	0.23	0.34	0.45	0.57	0.68	0.79	0.91	1.02	1.13
0.30		20.11	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.01
0.31		18.85	0.19	0.28	0.38	0.47	0.57	0.66	0.75	0.85	0.94
0.32	28 = 0.321	17.35	0.17	0.26	0.35	0.43	0.52	0.61	0.69	0.78	0.87
0.33		16.21	0.16	0.24	0.32	0.41	0.49	0.57	0.65	0.73	0.81
0.34		15.33	0.15	0.23	0.31	0.38	0.46	0.54	0.61	0.69	0.77
0.35	27 = 0.361	14.88	0.15	0.22	0.30	0.37	0.45	0.52	0.60	0.67	0.74

Turns	Kanthal wire	1.5mm Silica	2mm Silica	2.5mm Silica	3mm Silica	3.5mm Silica	4mm Silica	5mm Silica
3	0.15	1.09	1.46	1.82	2.19	2.55	2.92	3.65
4	0.15	1.46	1.94	2.43	2.92	3.40	3.89	4.86
5	0.15	1.82	2.43	3.04	3.65	4.25	4.86	6.08
3	0.17	0.89	1.19	1.49	1.78	2.08	2.38	2.97
4	0.17	1.19	1.59	1.98	2.38	2.77	3.17	3.96
5	0.17	1.49	1.98	2.48	2.97	3.47	3.96	4.95
3	0.2	0.62	0.82	1.03	1.23	1.44	1.64	2.05
4	0.2	0.82	1.10	1.37	1.64	1.92	2.19	2.74
5	0.2	1.03	1.37	1.71	2.05	2.40	2.74	3.42
3	0.23	0.46	0.62	0.77	0.93	1.08	1.24	1.54
4	0.23	0.62	0.82	1.03	1.24	1.44	1.65	2.06
5	0.23	0.77	1.03	1.29	1.54	1.80	2.06	2.57
3	0.25	0.41	0.55	0.69	0.83	0.97	1.10	1.38
4	0.25	0.55	0.74	0.92	1.10	1.29	1.47	1.84
5	0.25	0.69	0.92	1.15	1.38	1.61	1.84	2.30
3	0.27	0.36	0.48	0.60	0.72	0.84	0.96	1.20
4	0.27	0.48	0.64	0.80	0.96	1.12	1.28	1.60
5	0.27	0.60	0.80	1.00	1.20	1.40	1.60	2.00
3	0.28	0.32	0.43	0.53	0.64	0.75	0.85	1.06
4	0.28	0.43	0.57	0.71	0.85	0.99	1.14	1.42
5	0.28	0.53	0.71	0.89	1.06	1.24	1.42	1.77
3	0.3	0.28	0.38	0.47	0.57	0.66	0.76	0.95
4	0.3	0.38	0.50	0.63	0.76	0.88	1.01	1.26
5	0.3	0.47	0.63	0.79	0.95	1.10	1.26	1.58

Vaping Power Chart 2.0

		Volts																				
		3.00	3.20	3.40	3.70	4.00	4.20	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00
Resistance in Ohms	1.20	7.50	8.53	9.63	11.41	13.33	14.70	16.88	18.80	20.83	22.97	25.21	27.55	30.00	32.55	35.21	37.97	40.83	43.80	46.88	50.05	53.33
	1.30	6.92	7.88	8.89	10.53	12.31	13.57	15.58	17.36	19.23	21.20	23.27	25.43	27.69	30.05	32.50	35.05	37.69	40.43	43.27	46.20	49.23
	1.50	6.00	6.83	7.71	9.13	10.67	11.76	13.50	15.04	16.67	18.38	20.17	22.04	24.00	26.04	28.17	30.38	32.67	35.04	37.50	40.04	42.67
	1.80	5.00	5.69	6.42	7.61	8.89	9.80	11.25	12.53	13.89	15.31	16.81	18.37	20.00	21.70	23.47	25.31	27.22	29.20	31.25	33.37	35.56
	2.00	4.50	5.12	5.78	6.85	8.00	8.82	10.13	11.28	12.50	13.78	15.13	16.53	18.00	19.53	21.13	22.78	24.50	26.28	28.13	30.03	32.00
	2.20	4.09	4.65	5.25	6.22	7.27	8.02	9.20	10.26	11.36	12.53	13.75	15.03	16.36	17.76	19.20	20.71	22.27	23.89	25.57	27.30	29.09
	2.40	3.75	4.27	4.82	5.70	6.67	7.35	8.44	9.40	10.42	11.48	12.60	13.78	15.00	16.28	17.60	18.98	20.42	21.90	23.44	25.03	26.67
	2.80	3.21	3.66	4.13	4.89	5.71	6.30	7.23	8.06	8.93	9.84	10.80	11.81	12.86	13.95	15.09	16.27	17.50	18.77	20.09	21.45	22.86
	3.00	3.00	3.41	3.85	4.56	5.33	5.88	6.75	7.52	8.33	9.19	10.08	11.02	12.00	13.02	14.08	15.19	16.33	17.52	18.75	20.02	21.33
	3.20	2.81	3.20	3.61	4.28	5.00	5.51	6.33	7.05	7.81	8.61	9.45	10.33	11.25	12.21	13.20	14.24	15.31	16.43	17.58	18.77	20.00
	3.50	2.57	2.93	3.30	3.91	4.57	5.04	5.79	6.45	7.14	7.88	8.64	9.45	10.29	11.16	12.07	13.02	14.00	15.02	16.07	17.16	18.29
	4.00	2.25	2.56	2.89	3.42	4.00	4.41	5.06	5.64	6.25	6.89	7.56	8.27	9.00	9.77	10.56	11.39	12.25	13.14	14.06	15.02	16.00
	4.50	2.00	2.28	2.57	3.04	3.56	3.92	4.50	5.01	5.56	6.13	6.72	7.35	8.00	8.68	9.39	10.13	10.89	11.68	12.50	13.35	14.22
	5.00	1.80	2.05	2.31	2.74	3.20	3.53	4.05	4.51	5.00	5.51	6.05	6.61	7.20	7.81	8.45	9.11	9.80	10.51	11.25	12.01	12.80
5.50	1.64	1.86	2.10	2.49	2.91	3.21	3.68	4.10	4.55	5.01	5.50	6.01	6.55	7.10	7.68	8.28	8.91	9.56	10.23	10.92	11.64	
6.00	1.50	1.71	1.93	2.28	2.67	2.94	3.38	3.76	4.17	4.59	5.04	5.51	6.00	6.51	7.04	7.59	8.17	8.76	9.38	10.01	10.67	
6.50	1.38	1.58	1.78	2.11	2.46	2.71	3.12	3.47	3.85	4.24	4.65	5.09	5.54	6.01	6.50	7.01	7.54	8.09	8.65	9.24	9.85	

Key	Just right
TOO HOT, burnout pretty much certain	A little cool, vapor production is lessened
Too hot, higher is risking coil burnout	Too cool, very little vapor production
Too warm, some juices may fry	Cold, for all intents not functional

Power is measured in watts, calculated by v²/R

You want to keep your power level in the green, if you dont you will have problems.

More Info. at www.ohmslawcalculator.com