



# CATERING & REFRIGERATION HARDWARE

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## RESISTANCE SELECTION GUIDE (For 240 Volts)

### WATTS PER METRE

Ohms / ft Ohms / m	500 1540	300 984.3	250 820.2	200 656.2	150 492.1	120 393.7	100 328.1	90 295.3	70 229.7	60 196.9	50 164.0	45 147.6	40 131.2	35 114.8	30 98.4	25 82.0	20 65.6	17 55.8	15 49.2	12 39.4	9 29.5	7.6 24.9	6 19.7	4.6 15.1	3 9.8	1.5 4.9	0.75 2.5	0.5 1.6	0.3 1.0			
Length (m)	2	8.78	14.63	17.56	21.95	29.26																										
	3	3.90	6.50	7.80	9.75	13.00	16.26	19.51	21.67	27.87																						
	4	2.19	3.66	4.39	5.49	7.32	9.14	10.97	12.19	15.68	18.29	21.95	24.38	27.43	31.35																	
	5	1.40	2.34	2.81	3.51	4.68	5.85	7.02	7.80	10.03	11.70	14.05	15.61	17.56	20.06	23.41	28.09															
	6	0.98	1.63	1.95	2.44	3.25	4.06	4.88	5.42	6.97	8.13	9.75	10.84	12.19	13.93	16.26	19.51	24.38	28.69	32.51												
	7	0.72	1.19	1.43	1.79	2.39	2.99	3.58	3.98	5.12	5.97	7.17	7.96	8.96	10.24	11.94	14.33	17.91	21.08	23.89	29.86											
	8	0.55	0.91	1.10	1.37	1.83	2.29	2.74	3.05	3.92	4.57	5.49	6.10	6.86	7.84	9.14	10.97	13.72	16.14	18.29	22.86	30.48										
	9	0.43	0.72	0.87	1.08	1.44	1.81	2.17	2.41	3.10	3.61	4.33	4.82	5.42	6.19	7.22	8.67	10.84	12.75	14.45	18.06	24.08	28.52									
	10	0.35	0.59	0.70	0.88	1.17	1.46	1.76	1.95	2.51	2.93	3.51	3.90	4.39	5.02	5.85	7.02	8.78	10.33	11.70	14.63	19.51	23.10	29.26								
	11	0.29	0.48	0.58	0.73	0.97	1.21	1.45	1.61	2.07	2.42	2.90	3.22	3.63	4.15	4.84	5.80	7.25	8.53	9.67	12.09	16.12	19.09	24.18	31.54							
	12	0.24	0.41	0.49	0.61	0.81	1.02	1.22	1.35	1.74	2.03	2.44	2.71	3.05	3.48	4.06	4.88	6.10	7.17	8.13	10.15	13.55	16.04	20.32	26.50							
	13	0.21	0.35	0.42	0.52	0.69	0.87	1.04	1.15	1.48	1.73	2.08	2.31	2.60	2.97	3.46	4.16	5.19	6.11	6.93	8.66	11.54	13.67	17.31	22.58							
	14	0.18	0.30	0.36	0.45	0.60	0.75	0.90	1.00	1.28	1.49	1.79	1.99	2.24	2.56	2.99	3.58	4.48	5.27	5.97	7.46	9.95	11.79	14.93	19.47	29.86						
	15	0.16	0.26	0.31	0.39	0.52	0.65	0.78	0.87	1.11	1.30	1.56	1.73	1.95	2.23	2.60	3.12	3.90	4.59	5.20	6.50	8.67	10.27	13.00	16.96	26.01						
	16	0.14	0.23	0.27	0.34	0.46	0.57	0.69	0.76	0.98	1.14	1.37	1.52	1.71	1.96	2.29	2.74	3.43	4.03	4.57	5.71	7.62	9.02	11.43	14.91	22.86						
	17	0.12	0.20	0.24	0.30	0.40	0.51	0.61	0.67	0.87	1.01	1.21	1.35	1.52	1.74	2.02	2.43	3.04	3.57	4.05	5.06	6.75	7.99	10.12	13.21	20.25						
	18	0.11	0.18	0.22	0.27	0.36	0.45	0.54	0.60	0.77	0.90	1.08	1.20	1.35	1.55	1.81	2.17	2.71	3.19	3.61	4.52	6.02	7.13	9.03	11.78	18.06						
	19	0.10	0.16	0.19	0.24	0.32	0.41	0.49	0.54	0.69	0.81	0.97	1.08	1.22	1.39	1.62	1.95	2.43	2.86	3.24	4.05	5.40	6.40	8.11	10.57	16.21	32.42					
	20	0.09	0.15	0.18	0.22	0.29	0.37	0.44	0.49	0.63	0.73	0.88	0.98	1.10	1.25	1.46	1.76	2.19	2.58	2.93	3.66	4.88	5.78	7.32	9.54	14.63	29.26					
	25	0.06	0.09	0.11	0.14	0.19	0.23	0.28	0.31	0.40	0.47	0.56	0.62	0.70	0.80	0.94	1.12	1.40	1.65	1.87	2.34	3.12	3.70	4.68	6.11	9.36	18.73					
	30	0.04	0.07	0.08	0.10	0.13	0.16	0.20	0.22	0.28	0.33	0.39	0.43	0.49	0.56	0.65	0.78	0.98	1.15	1.30	1.63	2.17	2.57	3.25	4.24	6.50	13.00	26.01				
	35	0.03	0.05	0.06	0.07	0.10	0.12	0.14	0.16	0.20	0.24	0.29	0.32	0.36	0.41	0.48	0.57	0.72	0.84	0.96	1.19	1.59	1.89	2.39	3.12	4.78	9.55	19.11	28.66			
	40	0.02	0.04	0.04	0.05	0.07	0.09	0.11	0.12	0.16	0.18	0.22	0.24	0.27	0.31	0.37	0.44	0.55	0.65	0.73	0.91	1.22	1.44	1.83	2.39	3.66	7.32	14.63	21.95			
	45	0.02	0.03	0.03	0.04	0.06	0.07	0.09	0.10	0.12	0.14	0.17	0.19	0.22	0.25	0.29	0.35	0.43	0.51	0.58	0.72	0.96	1.14	1.44	1.88	2.89	5.78	11.56	17.34	28.90		

NOTE

Normal Silicone Jacketed heater wire is recommended not be used above 32.8 Watts / m

Special Hi-temperature silicone is available for up to 49 Watts / m

Based on :- 3.281 ft / m

Total Watts (W) = (Volts)<sup>2</sup> / (Total Ohms)

Total Ohms = (Ohms / ft) \* (Length in ft)

Or = (Ohms / m) \* (Length in m)

Watts per m = Total Watts / (Length in m)