

## Bare and Enamel Coated Wire

Wire Size (AWG)	Diam (Mils)	Enamel Wire Coating			Ohms		British SWG no.	
		Turns/Linear Inch*	Single	Heavy	Triple	per 1000 ft. 25 deg C		at 700 CM per Amp**
01.	289.3					0.1239	119.564	01
02.	257.6					0.2563	94.797	03
03.	229.4					0.1971	75.178	04
04.	204.3					0.2485	59.626	05
05.	181.9					0.3134	47.268	07
06.	162.0					0.3952	37.491	08
07.	144.3					0.4981	29.746	09
08.	128.5					0.6281	23.589	10
09.	114.4					0.7925	18.696	11
10.	101.9					0.9987	14.834	12
11.	90.7					1.2610	11.752	13
12.	80.8					1.5880	9.327	14
13.	72.0					2.0010	7.406	15
14.	64.1	15.2	14.8	14.5		2.5240	5.870	16
15.	57.1	17.0	16.6	16.2		3.1810	4.658	18
16.	50.8	19.1	18.6	18.1		4.0180	3.687	18
17.	45.3	21.4	20.7	20.2		5.0540	2.932	19
18.	40.3	23.9	23.2	22.5		6.3860	2.320	20
19.	35.9	26.8	25.9	25.1		8.0460	1.841	21
20.	32.0	29.9	28.9	27.9		10.1280	1.463	22
21.	28.5	33.6	32.4	31.3		12.7700	1.160	23
22.	25.3	37.6	36.2	34.7		16.2000	0.914	24
23.	22.6	42.0	40.3	38.6		20.3000	0.730	25
24.	20.1	46.9	45.0	42.9		25.6700	0.577	26
25.	17.9	52.6	50.3	47.8		32.3700	0.458	27
26.	15.9	58.8	56.2	53.2		41.0200	0.361	29
27.	14.2	65.8	62.5	59.2		51.4400	0.288	30
28.	12.6	73.5	69.4	65.8		65.3100	0.227	31
29.	11.3	82.0	76.9	72.5		81.2100	0.182	33
30.	10.0	91.7	86.2	80.6		103.7100	0.143	34
31.	8.9	103.1	95.2			130.9000	0.113	36
32.	8.0	113.6	105.3			162.0000	0.091	37
33.	7.1	128.2	117.6			205.7000	0.072	38
34.	6.3	142.9	133.3			261.3000	0.057	38_ 39
35.	5.6	161.3	149.3			330.7000	0.045	39_ 40
36.	5.0	178.6	166.7			414.8000	0.036	41
37.	4.5	200.0	181.8			512.1000	0.029	42
38.	4.0	222.2	204.1			648.2000	0.023	43
39.	3.5	256.4	232.6			846.6000	0.018	44
40.	3.1	285.7	263.2			1079.2000	0.014	
41.	2.8	322.6	294.1			1323.0000	0.011	
42.	2.5	357.1	333.3			1695.0000	0.009	
43.	2.2	400.0	370.4			2143.0000	0.007	
44.	2.0	454.5	400.0			2593.0000	0.006	
45.	1.8	526.3	465.1			3348.0000	0.004	
46.	1.6	588.2	512.8			4207.0000	0.004	

\* Figures given are approximate only; insulation thickness varies with manufacturer

\*\* Current Carrying Capacity at Continuous Duty