

ENGINEERING INFORMATION

WIRE CHART



AMERICAN OR BROWN & SHARPE'S AWG	BRITISH STANDARD AWG	NOMINAL CONDUCTOR DIAMETER (Ø) (INCHES)	FRACTIONAL EQUIVALENT (INCHES)	NOMINAL CONDUCTOR DIAMETER (Ø) (MM)	CROSS SECTIONAL CONDUCTOR AREA SQ MM (MM ²)	STANDARD WIRE CONSTRUCTION NUMBER OF STRANDS X DIAMETER OF STRANDS (INCHES) (MM)	
-	-	0.328	21/64	8.33	54.5		
1/0	0	0.325	-	8.26	53.6		
-	-	0.313	5/16	7.95	49.7		
-	1	0.300	-	7.62	45.6		
-	-	0.297	19/64	7.54	44.7		
1	-	0.289	-	7.34	42.3		
-	-	0.281	9/32	7.14	40.1		
-	2	0.276	-	7.01	38.6		
-	-	0.266	17/64	6.76	35.9		
2	-	0.257	-	6.53	33.5		
-	3	0.252	-	6.40	32.2		
-	-	0.250	1/4	6.35	31.7		
-	-	0.234	15/64	5.94	27.7		
-	4	0.232	-	5.89	27.3		
3	-	0.229	-	5.82	26.6		
-	-	0.219	7/32	5.56	24.3		
-	5	0.212	-	5.38	22.7		
4	-	0.204	-	5.18	21.1		
-	-	0.203	13/64	5.16	20.9		
-	6	0.192	-	4.88	18.7		
-	-	0.188	3/16	4.78	18.0		
5	-	0.182	-	4.62	16.8		
-	7	0.176	-	4.47	15.7		
-	-	0.172	11/64	4.37	15.0		
6	-	0.162	-	4.11	13.3	133 x .014	
-	8	0.160	-	4.06	13.0		
-	-	0.156	5/32	3.96	12.3		
7	9	0.144	-	3.66	10.5		
-	-	0.141	9/64	3.58	10.1		
8	10	0.128	-	3.25	8.30	133 x .011	

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-	-	0.125	1/8	3.18	7.95		
-	11	0.116	-	2.95	6.84		
9	-	0.114	-	2.90	6.61		
-	-	0.109	7/64	2.77	6.03		84 x 0.3
-	12	0.104	-	2.64	5.48		
10	-	0.102	-	2.59	5.27	105 x .010	
-	-	0.094	3/32	2.39	4.49		65 x 0.3
-	13	0.092	-	2.34	4.30		
11	-	0.091	-	2.31	4.19		56 x 0.3
12	-	0.081	-	2.06	3.33	65 x .010	
-	14	0.080	-	2.03	3.23	44 x .012	
-	-	0.078	5/64	1.98	3.08	7 x .029	40 x 0.3
13	15	0.072	-	1.83	2.63	37 x .012	35 x 0.3
14	16	0.064	-	1.63	2.09	41 x .010	
-	-	0.063	1/16	1.60	2.01	40 x .010	63 x .2
15	-	0.057	-	1.45	1.65		
-	17	0.056	-	1.42	1.58		30 x .25
16	-	0.051	-	1.30	1.33	26 x .010	19 x .30
-	18	0.048	-	1.22	1.17	16 x .012	
-	-	0.047	3/64	1.19	1.11	37 x .0076	
17	-	0.045	-	1.14	1.02	14 x .012	32 x .2
18	19	0.040	-	1.02	0.82	16 x .010	7 x .4
19	20	0.036	-	0.91	0.65	19 x .0076	14 x .025
20	21	0.032	-	0.81	0.52	10 x .010	16 x .2
-	-	0.031	1/32	0.79	0.49		151 x .065
21	22	0.028	-	0.71	0.40	14 x .0076	
22	-	0.025	-	0.64	0.32	7 x .010	
-	23	0.024	-	0.61	0.29		
23	24	0.022	-	0.56	0.25	14 x .006	
24	25	0.020	-	0.51	0.20	7 x .008	7 x .2
25	26	0.018	-	0.46	0.17		
26	27	0.016	1/64	0.41	0.13	7 x .0063	
-	28	0.015	-	0.38	0.11	14 x .004	
27	29	0.014	-	0.36	0.10		
28	-	0.013	-	0.33	0.09	7 x .005	

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-	30	.0124	-	0.31	0.08	7 x .004	7 x .01
-	31	.0116	-	0.29	0.07		
29	-	.0112	-	0.28	0.06		
-	32	.0108	-	0.27	0.057		
30	33	.0100	-	0.25	0.049		
-	34	.0092	-	0.23	0.042	6 x .012	
31	-	.0089	-	0.22	0.038	7 x .0031	
-	35	.0084	-	0.21	0.035		
32	-	.0079	-	0.20	0.031		
-	36	.0076	-	0.19	0.028		
33	-	.0071	-	0.18	0.025	7 x .0025	
-	37	.0068	-	0.17	0.023		
34	-	.0063	-	0.16	0.020		
-	38	.0060	-	0.15	0.018		
35	-	.0056	-	0.14	0.015		
-	39	.0052	-	0.13	0.013	7 x .002	
36	-	.0050	-	0.13	0.013		
-	40	.0048	-	0.12	0.011		
37	41	.0044	-	0.11	0.010		
38	42	.0039	-	0.10	0.008		
-	43	.0036	-	.091	0.007		
39	-	.0035	-	.089	0.006		
-	44	.0032	-	.081	0.005		
40	-	.0031	-	.079	0.005		
41	45	.0028	-	.071	0.004		
42	-	.0025	-	.064	0.003		
-	46	.0024	-	.061	0.003		
43	-	.0022	-	.056	0.002		
44	47	.0020	-	.051	0.002		
45	-	.0018	-	.046	0.002		
46	48	.0016	-	.041	0.001		
47	-	.0014	-	.036	0.001		
48	49	.0012	-	.030	0.001		
48	-	.0011	-	.028	0.001		
50	-	.0010	-	.025	0.001		

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