



## Bare Copper Solid, Compressed Class B and C



Image not to scale. See Table 1 for dimensions.

### **CONSTRUCTION:**

1. **Conductor:** Bare copper solid or compressed class B or C per ASTM B3 and ASTM B8

### **SPECIFICATIONS:**

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors





**Table 1 – Physical and Electrical Data**

Stock Number	Cond. Size	Strand Class	Strand Count	Cond. Cmil	Diameter Over Conductor	Approx. OD	Approx. Weight	DC Resistance @ 25°C	AC Resistance @ 75°C	Rated Strength
	AWG/kcmil		No. of Strands	cmil	inch	inch	lb/1000ft	Ω/1000ft	Ω/1000ft	lb
550247 <sup>◇</sup>	18	B	7	1620	0.045	0.045	4	6.669	8.035	22
106088 <sup>◇</sup>	16	Solid	Solid	2580	0.050	0.050	7	4.181	5.037	26
106146 <sup>◇</sup>	14	Solid	Solid	4110	0.064	0.064	12	2.631	3.170	32
TBA	14	B	7	4110	0.070	0.070	12	2.631	3.170	32
TBA	14	C	19	4110	0.073	0.073	12	2.631	3.170	32
106203 <sup>◇</sup>	12	Solid	Solid	6530	0.080	0.080	20	1.662	2.002	52
TBA	12	B	7	6530	0.088	0.088	20	1.662	2.002	52
TBA	12	C	19	6530	0.090	0.090	20	1.662	2.002	52
106260 <sup>◇</sup>	10	Solid	Solid	10380	0.101	0.101	32	1.040	1.253	83
136416	10	B	7	10380	0.113	0.113	32	1.040	1.253	83
TBA	10	C	19	10380	0.117	0.117	32	1.040	1.253	83
106328 <sup>◇</sup>	8	Solid	Solid	16510	0.128	0.128	50	0.653	0.786	132
106567 <sup>◇</sup>	8	B	7	16510	0.141	0.141	50	0.653	0.786	132
TBA	8	C	19	16510	0.143	0.143	50	0.653	0.786	132
106385 <sup>◇</sup>	6	Solid	Solid	26240	0.162	0.162	81	0.411	0.495	209
106658 <sup>◇</sup>	6	B	7	26240	0.177	0.177	81	0.411	0.495	209
TBA	6	C	19	26240	0.179	0.179	81	0.411	0.495	209
106443 <sup>◇</sup>	4	Solid	Solid	41740	0.204	0.204	128	0.258	0.310	333
106740 <sup>◇</sup>	4	B	7	41740	0.225	0.225	128	0.258	0.310	333
TBA	4	C	19	41740	0.226	0.226	128	0.258	0.310	333
TBA	3	Solid	Solid	52620	0.229	0.229	162	0.205	0.246	420
TBA	3	B	7	52620	0.252	0.252	162	0.205	0.246	420
TBA	3	C	19	52620	0.254	0.254	162	0.205	0.246	420
106500 <sup>◇</sup>	2	Solid	Solid	66360	0.257	0.257	204	0.162	0.195	530
106864 <sup>◇</sup>	2	B	7	66360	0.282	0.282	204	0.162	0.195	530
TBA	2	C	19	66360	0.286	0.286	204	0.162	0.195	530
TBA	1	Solid	Solid	83690	0.289	0.289	258	0.128	0.154	669
TBA	1	B	19	83690	0.322	0.322	258	0.128	0.154	669
TBA	1	C	37	83690	0.333	0.333	258	0.128	0.154	669
231282	1/0	Solid	Solid	105600	0.324	0.324	325	0.102	0.122	844
207712 <sup>◇</sup>	1/0	B	19	105600	0.361	0.361	325	0.102	0.122	844
TBA	2/0	Solid	Solid	133100	0.364	0.364	410	0.081	0.097	1064
106955 <sup>◇</sup>	1/0	A	7	105600	0.367	0.368	326	0.102	0.122	844
TBA	1/0	C	37	105600	0.373	0.373	325	0.102	0.122	844
207746 <sup>◇</sup>	2/0	B	19	133100	0.405	0.405	410	0.081	0.097	1064
TBA	3/0	Solid	Solid	167800	0.409	0.409	518	0.064	0.078	1342





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	AWG/kcmil		No. of Strands	cmil	inch	inch	lb/1000ft	Ω/1000ft	Ω/1000ft	lb
106989 <sup>◇</sup>	2/0	A	7	133100	0.413	0.413	410	0.081	0.097	1064
162669 <sup>◇</sup>	2/0	C	37	133100	0.420	0.420	410	0.081	0.097	1064
427615 <sup>◇</sup>	3/0	B	19	167800	0.456	0.456	518	0.064	0.078	1342
TBA	4/0	Solid	Solid	211600	0.460	0.460	653	0.051	0.062	1692
TBA	3/0	C	37	167800	0.471	0.471	518	0.064	0.078	1342
427633 <sup>◇</sup>	4/0	B	19	211600	0.512	0.512	653	0.051	0.062	1692
107045 <sup>◇</sup>	4/0	A	7	211600	0.522	0.521	653	0.051	0.062	1692
140152 <sup>◇</sup>	4/0	C	37	211600	0.529	0.529	653	0.051	0.062	1692
120337	250	B	37	250000	0.558	0.558	771	0.043	0.053	2000
107078 <sup>◇</sup>	250	A	19	250000	0.573	0.573	771	0.043	0.053	20000
TBA	250	C	61	250000	0.575	0.575	771	0.043	0.053	2000
TBA	300	B	37	300000	0.610	0.610	926	0.036	0.045	2400
TBA	300	C	61	300000	0.630	0.630	926	0.036	0.045	2400
TBA	350	B	37	350000	0.661	0.661	1081	0.031	0.039	2800
107136 <sup>◇</sup>	350	A	19	350000	0.679	0.678	1080	0.031	0.039	2800
207852 <sup>◇</sup>	350	C	61	350000	0.681	0.681	1081	0.031	0.039	2800
TBA	400	B	37	400000	0.705	0.705	1235	0.027	0.035	3200
TBA	400	C	61	400000	0.728	0.728	1235	0.027	0.035	3200
TBA	450	B	37	450000	0.749	0.749	1389	0.024	0.031	3600
TBA	450	C	61	450000	0.773	0.773	1389	0.024	0.031	3600
107193 <sup>◇</sup>	500	B	37	500000	0.789	0.813	1544	0.022	0.029	4000
TBA	500	C	61	500000	0.814	0.814	1544	0.022	0.029	4000
TBA	550	B	61	550000	0.828	0.828	1698	0.020	0.026	4400
TBA	550	C	91	550000	0.854	0.854	1698	0.020	0.026	4400
TBA	600	B	61	600000	0.865	0.865	1853	0.018	0.025	4800
TBA	600	C	91	600000	0.893	0.893	1853	0.018	0.025	4800
TBA	650	B	61	650000	0.901	0.901	2007	0.017	0.023	5200
TBA	650	C	91	650000	0.929	0.929	2007	0.017	0.023	5200
TBA	700	B	61	700000	0.935	0.935	2161	0.015	0.022	5600
TBA	700	C	91	700000	0.964	0.964	2161	0.015	0.022	5600
107250 <sup>◇</sup>	750	B	61	750000	0.968	0.968	2316	0.014	0.022	6000
TBA	750	C	91	750000	0.998	0.998	2316	0.014	0.022	6000
TBA	800	B	61	800000	1.000	1.000	2470	0.013	0.021	6400
TBA	800	C	91	800000	1.031	1.031	2470	0.013	0.021	6400
TBA	900	B	61	900000	1.060	1.060	2779	0.012	0.020	7200
TBA	900	C	91	900000	1.093	1.093	2779	0.012	0.020	7200
107284 <sup>◇</sup>	1000	B	61	1000000	1.117	1.117	3088	0.011	0.018	8000
TBA	1000	C	91	1000000	1.152	1.152	3088	0.011	0.018	8000

All dimensions are nominal and subject to normal manufacturing tolerances





◇ Cable marked with this symbol is a standard stock item

TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

