

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	Approx. OD	Approx. Weight	DC Resistance @ 25°C	AC Resistance @ 75°C
	AWG/kcmil		No. of Strands	cmil	inch	lb/1000ft	Ω/1000ft	Ω/1000ft
106146	14	Solid	1	4110	0.064	12	2.631	3.170
106203	12	Solid	1	6530	0.080	20	1.662	2.002
106260	10	Solid	1	10380	0.101	32	1.040	1.253
106328	8	Solid	1	16510	0.128	50	0.653	0.786
TBA	7	Solid	1	20820	0.144	64	0.519	0.625
106385	6	Solid	1	26240	0.162	81	0.411	0.495
TBA	5	Solid	1	33090	0.181	102	0.325	0.391
106443	4	Solid	1	41740	0.204	128	0.258	0.310
TBA	3	Solid	1	52620	0.229	162	0.205	0.246
106500	2	Solid	1	66360	0.257	204	0.162	0.195
TBA	1	Solid	1	83690	0.289	258	0.128	0.154
136168	1/0	Solid	1	105600	0.324	325	0.102	0.122
TBA	2/0	Solid	1	133100	0.364	410	0.081	0.097
TBA	3/0	Solid	1	167800	0.409	518	0.064	0.078
TBA	4/0	Solid	1	211600	0.460	653	0.051	0.062
TBA	14	B	7	4110	0.070	12	2.631	3.170
TBA	12	B	7	6530	0.088	20	1.662	2.002
TBA	10	B	7	10380	0.113	32	1.040	1.253
106567	8	B	7	16510	0.141	50	0.653	0.786
TBA	7	B	7	20820	0.159	64	0.519	0.625
106658	6	B	7	26240	0.177	81	0.411	0.495
TBA	5	B	7	33090	0.200	102	0.325	0.391
106740	4	B	7	41740	0.225	128	0.258	0.310
TBA	3	B	7	52620	0.252	162	0.205	0.246
106864	2	B	7	66360	0.282	204	0.162	0.195
TBA	1	B	19	83690	0.322	258	0.128	0.154
TBA	1/0	B	19	105600	0.361	325	0.102	0.122
144519	2/0	B	19	133100	0.405	410	0.081	0.097
144527	3/0	B	19	167800	0.456	518	0.064	0.078
136739	4/0	B	19	211600	0.512	653	0.051	0.062
TBA	250	B	37	250000	0.558	771	0.043	0.053
TBA	300	B	37	300000	0.610	926	0.036	0.045
TBA	350	B	37	350000	0.661	1081	0.031	0.039
TBA	400	B	37	400000	0.705	1235	0.027	0.035
TBA	450	B	37	450000	0.749	1389	0.024	0.031
107193	500	B	37	500000	0.813	1544	0.022	0.029
TBA	550	B	61	550000	0.828	1698	0.020	0.026
TBA	600	B	61	600000	0.865	1853	0.018	0.025
TBA	650	B	61	650000	0.901	2007	0.017	0.023
TBA	700	B	61	700000	0.935	2161	0.015	0.022
107250	750	B	61	750000	0.968	2316	0.014	0.022
TBA								



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	AWG/kcmil		No. of Strands	cmil	inch	lb/1000ft	$\Omega/1000ft$	$\Omega/1000ft$
	800	B	61	800000	1.000	2470	0.013	0.021
TBA	900	B	61	900000	1.060	2779	0.012	0.020
107284	1000	B	61	1000000	1.117	3088	0.011	0.018
TBA	14	C	19	4110	0.073	12	2.631	3.170
TBA	12	C	19	6530	0.090	20	1.662	2.002
TBA	10	C	19	10380	0.117	32	1.040	1.253
TBA	8	C	19	16510	0.143	50	0.653	0.786
TBA	7	C	19	20820	0.165	64	0.519	0.625
TBA	6	C	19	26240	0.179	81	0.411	0.495
TBA	5	C	19	33090	0.208	102	0.325	0.391
TBA	4	C	19	41740	0.226	128	0.258	0.310
TBA	3	C	19	52620	0.254	162	0.205	0.246
TBA	2	C	19	66360	0.286	204	0.162	0.195
TBA	1	C	37	83690	0.333	258	0.128	0.154
TBA	1/0	C	37	105600	0.373	325	0.102	0.122
TBA	2/0	C	37	133100	0.420	410	0.081	0.097
TBA	3/0	C	37	167800	0.471	518	0.064	0.078
140152	4/0	C	37	211600	0.529	653	0.051	0.062
TBA	250	C	61	250000	0.575	771	0.043	0.053
TBA	300	C	61	300000	0.630	926	0.036	0.045
207852	350	C	61	350000	0.681	1081	0.031	0.039
TBA	400	C	61	400000	0.728	1235	0.027	0.035
TBA	450	C	61	450000	0.773	1389	0.024	0.031
TBA	500	C	61	500000	0.814	1544	0.022	0.029
TBA	550	C	91	550000	0.854	1698	0.020	0.026
TBA	600	C	91	600000	0.893	1853	0.018	0.025
TBA	650	C	91	650000	0.929	2007	0.017	0.023
TBA	700	C	91	700000	0.964	2161	0.015	0.022
TBA	750	C	91	750000	0.998	2316	0.014	0.022
TBA	800	C	91	800000	1.031	2470	0.013	0.021
TBA	900	C	91	900000	1.093	2779	0.012	0.020
TBA	1000	C	91	1000000	1.152	3088	0.011	0.018

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item

