

COPPER CONDUCTOR DIAMETER AND WEIGHT

D.C. RESISTANCE

Concentric Stranded ASTM Class B Uncoated Copper

Size AWG or KCMIL	No. of Strands	Cross Section Area in Circular Mils	Overall Diameter Compressed Nominal - B8 in Inches	Overall Diameter Compact Nominal - B496 in Inches	Weight LBS/KFT	CU Conductor D. C. Resistance Maximum OHMS/KFT @ 25°C
8 AWG	7	16,510	0.142	0.134	51	0.6663
6 AWG	7	26,240	0.178	0.169	81	0.4192
5 AWG	7	33,090	0.200	0.191	102	0.3325
4 AWG	7	41,740	0.225	0.213	129	0.2636
3 AWG	7	52,620	0.252	0.238	162	0.2091
2 AWG	7	66,360	0.283	0.268	205	0.1659
1 AWG	19*	83,690	0.322	0.299	258	0.1315
1/0 AWG	19*	105,600	0.362	0.336	326	0.1045
2/0 AWG	19*	133,100	0.405	0.376	411	0.08267
3/0 AWG	19*	167,800	0.456	0.423	518	0.06558
4/0 AWG	19*	211,600	0.512	0.475	653	0.05200
250 KCMIL	37*	250,000	0.558	0.520	772	0.04401
300 KCMIL	37*	300,000	0.611	0.570	926	0.03667
350 KCMIL	37*	350,000	0.661	0.616	1081	0.03144
400 KCMIL	37*	400,000	0.706	0.659	1235	0.02751
500 KCMIL	37*	500,000	0.789	0.736	1544	0.02200
600 KCMIL	61*	600,000	0.866	0.813	1853	0.01834
750 KCMIL	61*	750,000	0.968	0.908	2316	0.01467
1000 KCMIL	61*	1,000,000	1.117	1.060	3088	0.01101

Note: *The number of strands for compact stranded could be 1 or 2 less than specified per ASTM B496.