

Copper Conductor Properties

Size (AWG or kcmil)	Area		Direct-Current Resistance at 75°C				
			Stranding				Uncoated
	mm ²	Circular mils	Quantity	Diameter		ohm/ km	ohm/ kFT
				mm	in.		
18	0.823	1620	1	—	—	25.5	7.77
18	0.823	1620	7	0.39	0.015	26.1	7.95
16	1.31	2580	1	—	—	16.0	4.89
16	1.31	2580	7	0.49	0.019	16.4	4.99
14	2.08	4110	1	—	—	10.1	3.07
14	2.08	4110	7	0.62	0.024	10.3	3.14
12	3.31	6530	1	—	—	6.34	1.93
12	3.31	6530	7	0.78	0.030	6.50	1.98
10	5.261	10380	1	—	—	3.984	1.21
10	5.261	10380	7	0.98	0.038	4.070	1.24
8	8.367	16510	1	—	—	2.506	0.764
8	8.367	16510	7	1.23	0.049	2.551	0.778
6	13.30	26240	7	1.56	0.061	1.608	0.491
4	21.15	41740	7	1.96	0.077	1.010	0.308
3	26.67	52620	7	2.20	0.087	0.802	0.245
2	33.62	66360	7	2.47	0.097	0.634	0.194