

Tin Single End Conductor Properties Annealed Copper Wire

AWG	NOM DIAMETER (IN)	NOM CROSS SECTION (IN ² X10 ⁻⁶)	NOM RESISTANCE (OHMS/MFT @ 20°C)	NOM WEIGHT (LBS/MFT)	NOM LENGTH (FT/LB)
8	0.1285	12970	0.6281	49.98	20.01
9	0.1144	10280	0.7925	39.62	25.24
10	0.1019	8155	0.9988	31.43	31.82
11	0.0907	6460	1.26	24.9	40.2
12	0.0808	5130	1.59	19.8	50.6
13	0.0720	4070	2.00	15.7	63.7
14	0.0641	3230	2.52	12.4	80.4
15	0.0571	2560	3.18	9.87	101
16	0.0508	2030	4.02	7.81	128
17	0.0453	1610	5.05	6.21	161
18	0.0403	1280	6.39	4.92	203
19	0.0359	1010	8.05	3.90	256
20	0.0320	804	10.1	3.10	323
21	0.0285	638	12.8	2.46	407
22	0.0253	503	16.2	1.94	516
23	0.0226	401	20.3	1.55	647
24	0.0201	317	25.7	1.22	818
25	0.0179	252	32.4	0.97	1030
26	0.0159	199	41	0.765	1310
27	0.0142	158	51.4	0.61	1640
28	0.0126	125	65.3	0.481	2080
29	0.0113	100	81.2	0.387	2590
30	0.0100	78.5	104	0.303	3300
31	0.0089	62.2	131	0.24	4170
32	0.0080	50.3	162	0.194	5160
33	0.0071	39.6	206	0.153	6550
34	0.0063	31.2	261	0.12	8320
35	0.0056	24.6	331	0.0949	10500
36	0.0050	19.6	415	0.0757	13200
37	0.0045	15.9	512	0.0613	16300
38	0.0040	12.6	648	0.0484	20600
39	0.0035	9.62	847	0.0371	27000
40	0.0031	7.55	1080	0.0291	34400
41	0.0028	6.16	1320	0.0237	42100
42	0.0025	4.91	1660	0.0189	52900
43	0.0022	3.8	2140	0.0147	68300
44	0.0020	3.14	2590	0.0121	82600
45	0.00176	2.43	3350	0.00938	107000
46	0.00157	1.94	4210	0.00746	134000
47	0.00140	1.54	5290	0.00593	169000
48	0.00124	1.21	6750	0.00465	215000
49	0.00111	0.968	8420	0.00373	268000
50	0.00099	0.770	10600	0.00297	337000

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