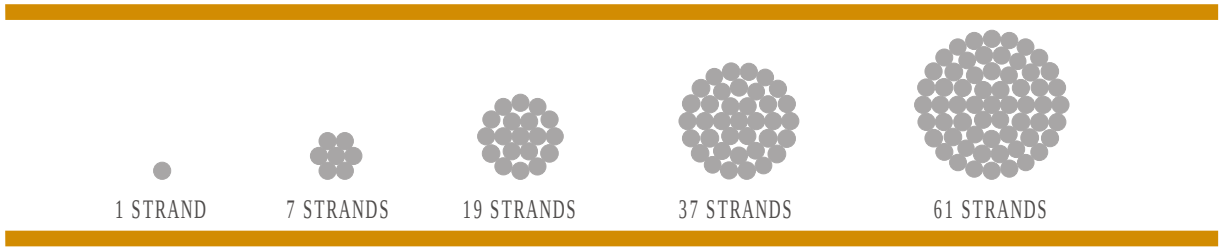
Bare Copper Conductors

Bare Copper Conductor. Solid and stranded.
Hard, Medium Hard and Soft.



Description

Bare copper, solid or concentrically stranded. Available in tempers Hard, Medium Hard and Soft.

Conductivity in IACS (International Annealed Copper Standard) is 100% for Soft temper, 96.66% for Medium hard temper and 96.16 for Hard temper.

Applications

Hard bare copper conductor conductors are used for overhead transmission and distribution of electric energy.

Soft and Medium hard tempers bare copper conductors are used as bare neutral in systems of distribution of electric energy and grounding systems.

Class A Stranding conductors are used normally for overhead transmission and distribution of electric energy, Class B Stranding are used in grounding systems and as neutral conductors and Class C, K and M are applied in the same way when additional flexibility is required.

Standards

CENTELSA'S Bare Copper conductors are manufactured in accordance with the following standards:

ASTM B1, NTC 1744. Hard-Drawn Copper Wire
ASTM B2, NTC 1745. Medium-Hard Copper Wire
ASTM B3, NTC 359. Soft or Annealed Copper Wire
ASTM B8, NTC 307. Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard or Soft
ASTM B172, NTC 1865 ASTM B174, NTC 1817 Flexible conductors Class K and M
IEC 228 for sizes in mm^2.

Certifications

CENTELSA'S Bare copper conductors are certified by:
CIDET (Colombia) Bare Aluminum Type AAC. Cert. No. 00410.
LAPEM (Mexico) Bare Copper. Standard NON 063.

Note: Configurations and sizes herein not specified are available upon request.

Bare Copper Conductors (International System Unit)

Solid and Stranded Bare Copper Conductors, Hard, Medium-Hard and Soft

Bare copper solid conductor Soft (ACDS)
Bare copper solid conductor Medium-Hard (ACDSD)
Bare copper solid conductor Hard (ACDD)
Bare copper stranded conductor Soft (CCDS)
Bare copper stranded conductor Medium-Hard (CCDSD)
Bare copper stranded conductor Hard (CCDD)

Standards: ASTM B1, NTC 1744. Hard-Drawn Copper Wire
ASTM B2, NTC 1745. Medium-Hard Copper Wire
ASTM B3, NTC 359. Soft or Annealed Copper Wire
ASTM B8, NTC 307. Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard or Soft.

SIZE AWG / kcmil	STRANDS No.	STRANDING CLASS	STRAND DIAMETER (mm)	CROSS SECTION (mm^2)	CONDUCTOR DIAMETER (mm)	TOTAL WEIGHT (kg/km)	DC RESISTANCE AT 20°C [1] (ohm/km)			NOMINAL TENSILE STRENGTH [2] (kg)		AMPACITY [3] (A)	GEOMETRIC MEAN RADIUS (mm)	INDUCTIVE REACTANCE (ohm/km)	CAPACITIVE REACTANCE [4] (Mohm-km)
							SOFT	MEDIUM HARD	HARD	MEDIUM HARD	HARD				
40	1	Solid	0.079	0.00487	0.079	0.043	3541	3663	3682	N/A	N/A	0.91	0.03	0.6937	0.4273
38	1	Solid	0.102	0.00811	0.102	0.072	2169	2244	2256	N/A	N/A	1.2	0.04	0.6745	0.4151
36	1	Solid	0.127	0.01267	0.127	0.113	1361	1408	1415	N/A	N/A	1.6	0.05	0.6580	0.4046
34	1	Solid	0.161	0.02012	0.161	0.179	874.2	904.4	909.1	N/A	N/A	2.1	0.06	0.6401	0.3933
32	1	Solid	0.204	0.03243	0.204	0.288	531.6	550.0	552.9	N/A	N/A	2.8	0.08	0.6222	0.3820
30	1	Solid	0.254	0.05067	0.254	0.450	347.1	359.1	360.9	N/A	N/A	3.7	0.10	0.6057	0.3715
28	1	Solid	0.321	0.08057	0.321	0.716	214.0	221.4	222.5	N/A	N/A	4.9	0.13	0.5880	0.3604
26	1	Solid	0.405	0.1282	0.405	1.140	137.2	141.9	142.7	N/A	N/A	6.5	0.16	0.5705	0.3493
24	1	Solid	0.511	0.2047	0.511	1.820	84.22	87.13	87.59	N/A	N/A	8.6	0.20	0.5530	0.3382
24	7	B	0.193	0.2047	0.579	1.856	85.91	88.88	89.34	N/A	N/A	8.7	0.21	0.5489	0.3322
22	1	Solid	0.643	0.3243	0.643	2.883	53.16	55.00	55.29	N/A	N/A	11	0.25	0.5357	0.3272
22	7	B	0.243	0.3243	0.729	2.941	54.23	56.10	56.40	N/A	N/A	12	0.26	0.5315	0.3212
20	1	Solid	0.812	0.5168	0.812	4.595	33.36	34.51	34.69	N/A	N/A	15	0.32	0.5181	0.3161
20	7	B	0.307	0.5168	0.921	4.687	34.03	35.20	35.39	N/A	N/A	15	0.33	0.5139	0.3100
18	1	Solid	1.023	0.8209	1.02	7.297	21.00	21.73	21.84	33	39	20	0.40	0.5006	0.3050
18	7	B	0.387	0.8209	1.16	7.443	21.42	22.16	22.28	N/A	N/A	21	0.42	0.4964	0.2990
16	1	Solid	1.291	1.307	1.29	11.62	13.19	13.64	13.72	53	61	27	0.50	0.4831	0.2939
16	7	B	0.488	1.307	1.46	11.85	13.45	13.92	13.99	N/A	N/A	27	0.53	0.4789	0.2879
14	1	Solid	1.629	2.083	1.63	18.51	8.279	8.565	8.610	83	97	36	0.63	0.4656	0.2828
14	7	B	0.616	2.083	1.85	18.88	8.444	8.736	8.782	N/A	N/A	37	0.67	0.4614	0.2768
12	1	Solid	2.053	3.309	2.05	29.42	5.211	5.391	5.419	132	154	48	0.80	0.4481	0.2718
12	7	B	0.776	3.309	2.33	30.00	5.315	5.499	5.527	N/A	N/A	49	0.85	0.4440	0.2658
10	1	Solid	2.588	5.260	2.59	46.76	3.278	3.391	3.409	210	239	64	1.01	0.4307	0.2607
10	7	B	0.979	5.260	2.94	47.69	3.344	3.459	3.477	N/A	N/A	65	1.07	0.4264	0.2547
8	1	Solid	3.264	8.366	3.26	74.37	2.061	2.132	2.143	333	375	85	1.27	0.4132	0.2496
8	7	B	1.234	8.366	3.70	75.86	2.102	2.175	2.186	300	353	87	1.34	0.4090	0.2436
6	1	Solid	4.115	13.30	4.12	118.2	1.297	1.342	1.349	529	583	113	1.60	0.3957	0.2386
6	7	B	1.556	13.30	4.67	120.6	1.323	1.368	1.375	477	556	116	1.69	0.3915	0.2326
4	1	Solid	5.190	21.15	5.19	188.0	0.8152	0.8434	0.8478	842	895	151	2.02	0.3782	0.2275
4	7	B	1.962	21.15	5.89	191.8	0.8315	0.8602	0.8647	758	884	154	2.14	0.3740	0.2215
2	7	B	2.474	33.63	7.42	304.9	0.5230	0.5411	0.5439	1205	1374	206	2.69	0.3565	0.2104
1	7	A	2.778	42.41	8.33	384.5	0.4147	0.4290	0.4313	1519	1733	238	3.03	0.3478	0.2049
1	19	B	1.686	42.41	8.43	384.5	0.4147	0.4290	0.4313	1519	1771	239	3.19	0.3437	0.2044
1/0	7	A	3.120	53.51	9.36	485.2	0.3287	0.3400	0.3418	1916	2161	276	3.40	0.3390	0.1994
1/0	19	B	1.894	53.51	9.47	485.2	0.3287	0.3400	0.3418	1916	2235	276	3.59	0.3349	0.1988
2/0	7	A	3.503	67.44	10.51	611.6	0.2608	0.2698	0.2712	2415	2693	318	3.81	0.3303	0.1938
2/0	19	B	2.126	67.44	10.63	611.6	0.2608	0.2698	0.2712	2415	2786	319	4.03	0.3262	0.1933
3/0	7	A	3.933	85.03	11.80	771.0	0.2068	0.2140	0.2151	3044	3356	368	4.28	0.3216	0.1883
3/0	19	B	2.388	85.03	11.94	771.0	0.2068	0.2140	0.2151	3046	3514	369	4.53	0.3174	0.1877
4/0	7	A	4.417	107.2	13.25	972.2	0.1640	0.1697	0.1706	3840	4134	426	4.81	0.3128	0.1828
4/0	19	B	2.681	107.2	13.41	972.2	0.1640	0.1697	0.1706	3840	4380	427	5.08	0.3087	0.1822
250	37	B	2.088	126.7	14.62	1149	0.1388	0.1436	0.1444	4535	5232	474	5.61	0.3012	0.1781
300	37	B	2.288	152.0	16.02	1378	0.1157	0.1197	0.1203	5445	6283	531	6.15	0.2943	0.1737
350	37	B	2.471	177.3	17.30	1608	0.09916	0.1026	0.1031	6351	7246	584	6.64	0.2885	0.1700

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Bare Copper Conductors (International System Unit)

Solid and Stranded Bare Copper Conductors, Hard, Medium-Hard and Soft

SIZE AWG / kcmil	STRANDS No.	STRANDING CLASS	STRAND DIAMETER (mm)	CROSS SECTION (mm^2)	CONDUCTOR DIAMETER (mm)	TOTAL WEIGHT (kg/km)	DC RESISTANCE AT 20°C [1] (ohm/km)			NOMINAL TENSILE STRENGTH [2] (kg)		AMPACITY [3] (A)	GEOMETRIC MEAN RADIUS (mm)	INDUCTIVE REACTANCE [4] (ohm/km)	CAPACITIVE REACTANCE [4] (Mohm-km)
							SOFT	MEDIUM HARD	HARD	MEDIUM HARD	HARD				
400	37	B	2.641	202.7	18.49	1838	0.08677	0.08976	0.09023	7255	8278	635	7.10	0.2835	0.1669
450	37	B	2.802	228.0	19.61	2068	0.07712	0.07979	0.08021	8167	9318	683	7.53	0.2790	0.1640
500	37	B	2.953	253.4	20.67	2297	0.06941	0.07181	0.07219	9070	10233	728	7.94	0.2751	0.1615
550	61	B	2.412	278.7	21.71	2527	0.06310	0.06528	0.06562	9977	11383	772	8.38	0.2710	0.1592
600	61	B	2.520	304.0	22.68	2757	0.05784	0.05984	0.06016	10890	12425	814	8.75	0.2677	0.1571
650	61	B	2.622	329.4	23.60	2987	0.05339	0.05524	0.05553	11789	13451	855	9.11	0.2647	0.1552
700	61	B	2.721	354.7	24.49	3216	0.04958	0.05129	0.05156	12696	14486	894	9.45	0.2619	0.1534
750	61	B	2.817	380.0	25.35	3446	0.04627	0.04787	0.04812	13608	15527	932	9.79	0.2593	0.1518
800	61	B	2.909	405.4	26.18	3676	0.04338	0.04488	0.04512	14511	16557	968	10.11	0.2569	0.1503
900	61	B	3.086	456.0	27.77	4135	0.03856	0.03990	0.04010	16331	18424	1038	10.72	0.2524	0.1474
1000	61	B	3.253	506.7	29.28	4595	0.03471	0.03591	0.03609	18146	20472	1103	11.30	0.2484	0.1449

Notes:
1. DC resistance calculated based on a 17.241; 7.837; 17.930 ohm-mm2/km resistivity for soft; Medium Hard and Hard cooper.
2. Tensile Strength for soft copper and for diameters lower than 1.023 mm Hard and Medium Hard are not specified by ASTM B1, ASTM B2 and ASTM B3.
3. Ampacity based on 40°C ambient temperature, 80 °C conductor temperature, wind speed 610mm/sec, at sea level, and at 60 Hz.
4. Inductive and capacitive reactance at 60 Hz and at 30.5 cm separation between phases in equilateral configuration.
5. Data herein indicated are approximate and are subject to normal manufacturing tolerances.

Bare Copper Conductors

Solid and Stranded Bare Copper Conductors, Hard, Medium-Hard and Soft

Bare copper solid conductor Soft (ACDS)
Bare copper solid conductor Medium-Hard (ACDSD)
Bare copper solid conductor Hard (ACDD)
Bare copper stranded conductor Soft (CCDS)
Bare copper stranded conductor Medium-Hard (CCDSD)
Bare copper stranded conductor Hard (CCDD)

Standards: ASTM B1, NTC 1744. Hard-Drawn Copper Wire
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ASTM B3, NTC 359. Soft or Annealed Copper Wire
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SIZE AWG / kcmil	STRANDS No.	STRANDING CLASS	STRAND DIAMETER (mils)	CROSS SECTION (sq inches)	CONDUCTOR DIAMETER (inches)	TOTAL WEIGHT (lb/1000ft)	DC RESISTANCE AT 20°C [1] (ohm/ft)			NOMINAL TENSILE STRENGTH [2] (lb)		AMPACITY [3] (A)	GEOMETRIC MEAN RADIUS (inches)	INDUCTIVE REACTANCE [4] (ohm/mile)	CAPACITIVE REACTANCE [4] (Mohm-mile
							SOFT	MEDIUM HARD	HARD	MEDIUM HARD	HARD				
40	1	Sólido	3.11	0.00000755	0.00311	0.0291	1079	1116	1122	N/A	N/A	0.91	0.00121	1.1164	0.2655
38	1	Sólido	4.02	0.0000126	0.00402	0.0484	661	684	688	N/A	N/A	1.2	0.00156	1.0854	0.2579
36	1	Sólido	5.00	0.0000196	0.00500	0.0757	415	429	431	N/A	N/A	1.6	0.00195	1.0588	0.2514
34	1	Sólido	6.34	0.0000312	0.00634	0.120	266	276	277	N/A	N/A	2.1	0.00247	1.0301	0.2444
32	1	Sólido	8.03	0.0000503	0.00803	0.194	162	168	169	N/A	N/A	2.8	0.00313	1.0013	0.2374
30	1	Sólido	10.00	0.0000785	0.0100	0.303	106	109	110	N/A	N/A	3.7	0.00390	0.9747	0.2309
28	1	Sólido	12.64	0.000125	0.0126	0.481	65.2	67.5	67.8	N/A	N/A	4.9	0.00492	0.9463	0.2239
26	1	Sólido	15.94	0.000199	0.0159	0.766	41.8	43.3	43.5	N/A	N/A	6.5	0.00621	0.9181	0.2170
24	1	Sólido	20.12	0.000317	0.0201	1.22	25.7	26.6	26.7	N/A	N/A	8.6	0.00784	0.8899	0.2101
24	7	B	7.60	0.000317	0.0228	1.25	26.2	27.1	27.2	N/A	N/A	8.7	0.00827	0.8833	0.2064
22	1	Sólido	25.31	0.000503	0.0253	1.94	16.2	16.8	16.9	N/A	N/A	11	0.00986	0.8620	0.2033
22	7	B	9.57	0.000503	0.0287	1.98	16.5	17.1	17.2	N/A	N/A	12	0.0104	0.8553	0.1996

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Bare Copper Conductors

Solid and Stranded Bare Copper Conductors, Hard, Medium-Hard and Soft

SIZE AWG / kcmil	STRANDS No.	STRANDING CLASS	STRAND DIAMETER (mils)	CROSS SECTION (sq inches)	CONDUCTOR DIAMETER (inches)	TOTAL WEIGHT (lb/1000ft)	DC RESISTANCE AT 20°C [1] (ohm/ft)			NOMINAL TENSILE STRENGTH [2] (lb)		AMPACITY [3] (A)	GEOMETRIC MEAN RADIUS (inches)	INDUCTIVE REACTANCE [4] (ohm/mile)	CAPACITIVE REACTANCE [4] (Mohm-mile
							SOFT	MEDIUM HARD	HARD	MEDIUM HARD	HARD				
20	1	Sólido	31.97	0.000801	0.0320	3.09	10.2	10.5	10.6	N/A	N/A	15	0.0125	0.8337	0.1964
20	7	B	12.09	0.000801	0.0363	3.15	10.4	10.7	10.8	N/A	N/A	15	0.0132	0.8270	0.1927
18	1	Sólido	40.28	0.00127	0.0403	4.90	6.40	6.62	6.66	73	85	20	0.0157	0.8057	0.1895
18	7	B	15.24	0.00127	0.0457	5.00	6.53	6.76	6.79	N/A	N/A	21	0.0166	0.7989	0.1858
16	1	Sólido	50.83	0.00203	0.0508	7.81	4.02	4.16	4.18	117	135	27	0.0198	0.7775	0.1826
16	7	B	19.21	0.00203	0.0576	7.97	4.10	4.24	4.26	N/A	N/A	27	0.0209	0.7707	0.1789
14	1	Sólido	64.13	0.00323	0.0641	12.4	2.52	2.61	2.62	183	213	36	0.0250	0.7492	0.1757
14	7	B	24.25	0.00323	0.0728	12.7	2.57	2.66	2.68	N/A	N/A	37	0.0264	0.7425	0.1720
12	1	Sólido	80.83	0.00513	0.0808	19.8	1.59	1.64	1.65	291	339	48	0.0315	0.7212	0.1689
12	7	B	30.55	0.00513	0.0917	20.2	1.62	1.68	1.68	N/A	N/A	49	0.0333	0.7145	0.1652
10	1	Sólido	101.89	0.00815	0.102	31.4	1.00	1.03	1.04	463	526	64	0.0397	0.6931	0.1620
10	7	B	38.54	0.00815	0.116	32.0	1.02	1.05	1.06	N/A	N/A	65	0.0420	0.6863	0.1583
8	1	Sólido	128.50	0.0130	0.129	50.0	0.628	0.650	0.653	734	828	85	0.0501	0.6649	0.1551
8	7	B	48.58	0.0130	0.146	51.0	0.641	0.663	0.666	661	779	87	0.0529	0.6582	0.1514
6	1	Sólido	162.01	0.0206	0.162	79.4	0.395	0.409	0,411	1166	1286	113	0.0631	0.6368	0.1483
6	7	B	61.26	0.0206	0.184	81.0	0.403	0.417	0.419	1052	1225	116	0.0667	0.6300	0.1445
4	1	Sólido	204.33	0.0328	0.204	126	0.248	0.257	0.258	1856	1974	151	0.0796	0.6086	0.1414
4	7	B	77.24	0.0328	0.232	129	0.253	0.262	0.264	1671	1948	154	0.0841	0.6019	0.1376
2	7	B	97.40	0.0521	0.292	205	0.159	0.165	0.166	2657	3030	206	0.106	0.5738	0.1308
1	7	A	109.37	0.0657	0.328	258	0.126	0.131	0.131	3349	3820	238	0.119	0.5597	0.1273
1	19	B	66.38	0.0657	0.332	258	0.126	0.131	0.131	3349	3905	239	0.126	0.5531	0.1270
1/0	7	A	122.83	0.0829	0.369	326	0.100	0.104	0.104	4224	4764	276	0.134	0.5456	0.1239
1/0	19	B	74.57	0.0829	0.373	326	0.100	0.104	0.104	4224	4928	276	0.141	0.5390	0.1235
2/0	7	A	137.91	0.105	0.414	411	0.0795	0.0822	0.0827	5324	5938	318	0.150	0.5316	0.1204
2/0	19	B	83.70	0.105	0.419	411	0.0795	0.0822	0.0827	5324	6141	319	0.159	0.5249	0.1201
3/0	7	A	154.84	0.132	0.465	518	0.0630	0.0652	0.0656	6711	7399	368	0.169	0.5175	0.1170
3/0	19	B	94.02	0.132	0.470	518	0.0630	0.0652	0.0656	6715	7748	369	0.178	0.5108	0.1167
4/0	7	A	173.90	0.166	0.522	653	0.0500	0.0517	0.0520	8466	9115	426	0.189	0.5034	0.1136
4/0	19	B	105.55	0.166	0.528	653	0.0500	0.0517	0.0520	8466	9657	427	0.200	0.4968	0.1132
250	37	B	82.20	0.196	0.575	772	0.0423	0.0438	0.0440	9998	11535	474	0.221	0.4847	0.1107
300	37	B	90.08	0.236	0.631	926	0.0353	0.0365	0.0367	12004	13851	531	0.242	0.4736	0.1079
350	37	B	97.28	0.275	0.681	1081	0.0302	0.0313	0.0314	14002	15976	584	0.261	0.4643	0.1057
400	37	B	103.98	0.314	0.728	1235	0.0264	0.0274	0.0275	15995	18249	635	0.279	0.4562	0.1037
450	37	B	110.31	0.353	0.772	1389	0.0235	0.0243	0.0244	18005	20542	683	0.297	0.4490	0.1019
500	37	B	116.26	0.393	0.814	1544	0.0212	0.0219	0.0220	19996	22560	728	0.313	0.4427	0.1004
550	61	B	94.96	0.432	0.855	1698	0.0192	0.0199	0.0200	21996	25095	772	0.330	0.4361	0.0989
600	61	B	99.21	0.471	0.893	1853	0.0176	0.0182	0.0183	24008	27393	814	0.345	0.4308	0.0976
650	61	B	103.23	0.511	0.929	2007	0.0163	0.0168	0.0169	25990	29655	855	0.359	0.4260	0.0965
700	61	B	107.13	0.550	0.964	2161	0.0151	0.0156	0.0157	27990	31937	894	0.372	0.4215	0.0954
750	61	B	110.91	0.589	0.998	2316	0.0141	0.0146	0.0147	30001	34230	932	0.385	0.4173	0.0943
800	61	B	114.53	0.628	1.03	2470	0.0132	0.0137	0.0138	31991	36503	968	0.398	0.4134	0.0934
900	61	B	121.50	0.707	1.09	2779	0.0118	0.0122	0.0122	36004	40618	1038	0.422	0.4062	0.0916
1000	61	B	128.07	0.785	1.15	3088	0.0106	0.0109	0.0110	40005	45133	1103	0.445	0.3998	0.0901

Notes:
1. DC resistance calculated based on a 10.371; 10.729; 10.785 ohm-cmil/ft resistivity for soft; Medium Hard and Hard cooper.
2. Tensile Strength for soft copper and for diameters lower than 40.3 mils Hard and Medium Hard are not specified by ASTM B1, ASTM B2 and ASTM B3.
3. Ampacity based on 40°C ambient temperature, 80 °C conductor temperature, wind speed 2 ft/sec, at sea level, and at 60 Hz.
4. Inductive and capacitive reactance at 60 Hz and at 1 ft separation between phases in equilateral configuration.
5. Data herein indicated are approximate and are subject to normal manufacturing tolerances.

Bare Copper Conductors (Sizes in mm²)

Solid and Stranded Bare Copper Conductors, Hard, Medium-Hard and Soft

Bare copper solid conductor Soft (ACDS)
Bare copper solid conductor Medium-Hard (ACDSD)
Bare copper solid conductor Hard (ACDD)
Bare copper stranded conductor Soft (CCDS)
Bare copper stranded conductor Medium-Hard (CCDSD)
Bare copper stranded conductor Hard (CCDD)

Standards: ASTM B1, NTC 1744. Hard-Drawn Copper Wire
ASTM B2, NTC 1745. Medium-Hard Copper Wire
ASTM B3, NTC 359. Soft or Annealed Copper Wire
ASTM B8, NTC 307. Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard or Soft IEC 228 for sizes in mm².

SIZE AWG / kcmil	STRANDS No.	STRANDING CLASS [1]	STRAND DIAMETER (mm)	CROSS SECTION (mm²)	CONDUCTOR DIAMETER (mm)	TOTAL WEIGHT (kg/km)	DC RESISTANCE AT 20°C [2] (ohm/km)			CARGA A LA ROTURA NOMINAL [3] (kg)		AMPACITY [4] (A)	GEOMETRIC MEAN RADIUS (mm)	INDUCTIVE REACTANCE [5] (ohm/km)	CAPACITY REACTANCE [5] (Mohm-km)
							SOFT	MEDIUM HARD	HARD	SEMIDURO	DURO				
0.5	1	1	0.798	0.5001	0.798	4.446	34.5	35.7	35.8	N/A	N/A	15	0.31	0.5194	0.3169
0.5	7	2	0.302	0.5014	0.906	4.547	35.1	36.3	36.5	N/A	N/A	15	0.33	0.5151	0.3108
0.75	1	1	0.978	0.7512	0.978	6.678	23.0	23.7	23.9	N/A	N/A	19	0.38	0.5040	0.3072
0.75	7	2	0.370	0.7526	1.11	6.825	23.4	24.2	24.3	N/A	N/A	19	0.40	0.4998	0.3011
1	1	1	1.129	1.001	1.13	8.900	17.2	17.8	17.9	40	47	23	0.44	0.4932	0.3003
1	7	2	0.427	1.002	1.28	9.090	17.5	18.2	18.2	N/A	N/A	23	0.47	0.4890	0.2943
1.5	1	1	1.382	1.500	1.38	13.34	11.5	11.9	12.0	59	71	29	0.54	0.4780	0.2907
1.5	7	2	0.523	1.504	1.57	13.64	11.7	12.1	12.2	N/A	N/A	30	0.57	0.4737	0.2846
2.5	1	1	1.785	2.502	1.79	22.25	6.89	7.13	7.16	97	117	40	0.70	0.4587	0.2785
2.5	7	2	0.675	2.505	2.03	22.71	7.02	7.26	7.30	N/A	N/A	41	0.74	0.4545	0.2724
4	1	1	2.257	4.001	2.26	35.57	4.31	4.46	4.48	153	184	54	0.88	0.4410	0.2673
4	7	2	0.853	4.000	2.56	36.27	4.40	4.55	4.57	N/A	N/A	55	0.93	0.4368	0.2613
6	1	1	2.764	6.000	2.76	53.34	2.87	2.97	2.99	227	273	69	1.08	0.4257	0.2576
6	7	2	1.045	6.004	3.14	54.44	2.93	3.03	3.05	215	254	70	1.14	0.4215	0.2516
10	1	1	3.569	10.00	3.57	88.94	1.72	1.78	1.79	373	444	95	1.39	0.4064	0.2454
10	7	2	1.349	10.00	4.05	90.72	1.76	1.82	1.83	352	423	97	1.47	0.4023	0.2394
16	1	1	4.514	16.00	4.51	142.3	1.08	1.11	1.12	588	686	127	1.76	0.3887	0.2342
16	7	2	1.706	16.00	5.12	145.1	1.08	1.11	1.12	616	743	130	1.86	0.3846	0.2282
25	1	1	5.642	25.00	5.64	222.3	0.690	0.713	0.717	906	1033	168	2.20	0.3719	0.2235
25	7	2	2.133	25.01	6.40	226.8	0.703	0.727	0.731	861	1034	171	2.32	0.3677	0.2175
35	7	2	2.524	35.02	7.57	317.6	0.492	0.509	0.512	1322	1590	211	2.75	0.3550	0.2095
50	19	2	1.831	50.03	9.16	453.7	0.352	0.364	0.366	1734	2090	265	3.47	0.3375	0.2004
70	19	2	2.166	70.01	10.83	634.8	0.246	0.255	0.256	2678	3213	327	4.10	0.3248	0.1924
95	19	2	2.524	95.07	12.62	862.0	0.185	0.191	0.192	3229	3883	396	4.78	0.3133	0.1851
120	37	2	2.033	120.1	14.23	1089	0.144	0.149	0.149	4593	5573	458	5.46	0.3032	0.1794
150	37	2	2.272	150.0	15.90	1360	0.117	0.121	0.122	5163	6196	526	6.11	0.2948	0.1741
185	37	2	2.524	185.1	17.67	1679	0.0931	0.0963	0.0969	6985	8401	600	6.78	0.2869	0.1690
240	61	2	2.239	240.2	20.15	2178	0.0732	0.0758	0.0761	8266	9919	705	7.78	0.2766	0.1628
300	61	2	2.503	300.2	22.53	2722	0.0574	0.0594	0.0597	11325	13621	808	8.70	0.2682	0.1574
400	61	2	2.890	400.1	26.01	3628	0.0439	0.0455	0.0457	13588	16342	960	10.04	0.2573	0.1506
500	61	2	3.231	500.1	29.08	4535	0.0345	0.0357	0.0358	18616	22441	1095	11.22	0.2489	0.1452

Notes:
1. Stranding Class According IEC 228.
2. DC resistance calculated based on a 17.241; 7.837; 17.930 ohm-mm2/km resistivity for soft; Medium Hard and Hard coope.
3. Tensile Strength for soft copper and for diameters lower than 1.023 mm Hard and Medium Hard are not specified by ASTM B1, ASTM B2 and ASTM B3.
4. Ampacity based on 40°C ambient temperature, 80 °C conductor temperature, wind speed 610mm/sec, at sea level, and at 60 Hz.
5. Inductive and capacitive reactance at 60 Hz and at 30.5 cm separation between phases in equilateral configuration.
6. Data herein indicated are approximate and are subject to normal manufacturing tolerances.

Bare Copper Conductors (International System Unit)

Class C Stranded Bare Copper Conductors, Soft

Standards: ASTM B8, NTC 307. Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard or Soft.

SIZE AWG / kcmil	STRANDS No.	STRAND DIAMETER (mm)	CROSS SECTION (mm^2)	CONDUCTOR DIAMETER (mm)	TOTAL WEIGHT (kg/km)	DC RESISTANCE AT 20°C [1] (ohm/km)	AMPACITY [2] (A)
24	19	0.118	0.2047	0.590	1.856	85.91	8.8
22	19	0.148	0.3243	0.740	2.941	53.16	11
20	19	0.187	0.5168	0.935	4.687	34.03	16
18	19	0.235	0.8209	1.18	7.443	21.00	20
16	19	0.296	1.307	1.48	11.85	13.45	28
14	19	0.374	2.083	1.87	18.88	8.279	36
12	19	0.471	3.309	2.36	30.00	5.315	49
10	19	0.594	5.260	2.97	47.69	3.278	64
8	19	0.749	8.366	3.75	75.86	2.102	87
6	19	0.944	13.30	4.72	120.6	1.297	114
4	19	1.191	21.15	5.96	191.8	0.8315	156
2	19	1.502	33.63	7.51	304.9	0.5230	208
1	37	1.209	42.41	8.46	384.5	0.4147	241
1/0	37	1.357	53.51	9.50	485.2	0.3287	279
2/0	37	1.524	67.44	10.67	611.6	0.2608	322
3/0	37	1.711	85.03	11.98	771.0	0.2068	373
4/0	37	1.921	107.2	13.45	972.2	0.1640	430
250	61	1.627	126.7	14.64	1149	0.1388	479
300	61	1.782	152.0	16.04	1378	0.1157	536
350	61	1.924	177.3	17.32	1608	0.09916	590
400	61	2.057	202.7	18.51	1838	0.08677	641
450	61	2.182	228.0	19.64	2068	0.07712	689
500	61	2.300	253.4	20.70	2297	0.06941	735
550	91	1.975	278.7	21.73	2527	0.06310	780
600	91	2.063	304.0	22.69	2757	0.05784	822
650	91	2.147	329.4	23.62	2987	0.05339	863
700	91	2.228	354.7	24.51	3216	0.04958	902
750	91	2.306	380.0	25.37	3446	0.04627	940
800	91	2.382	405.4	26.20	3676	0.04338	977
900	91	2.527	456.0	27.80	4135	0.03856	1047
1000	91	2.663	506.7	29.29	4595	0.03471	1113

Notes:
1. DC resistance calculated based on a 17.241 ohm-mm2/km resistivity.
2. Ampacity based on 40°C ambient temperature, 80 °C conductor temperature, wind speed 610mm/sec, at sea level, and at 60 Hz.
3. Data herein indicated are approximate and are subject to normal manufacturing tolerances.

Class C Stranded Bare Copper Conductors, Soft

Standards: ASTM B8, NTC 307. Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard or Soft.

SIZE AWG / kcmil	STRANDS No.	STRAND DIAMETER (mils)	CROSS SECTION (sq inches)	CONDUCTOR DIAMETER (inches)	TOTAL WEIGHT (lb/1000 ft)	DC RESISTANCE AT 20°C [1] (ohm/km) Soft	AMPACITY [2] (A)
24	19	4.65	0.000317	0.0232	1.25	26.2	8.8
22	19	5.83	0.000503	0.0291	1.98	16.2	11
20	19	7.36	0.000801	0.0368	3.15	10.2	16
18	19	9.25	0.00127	0.0463	5.00	10.4	20
16	19	11.65	0.00203	0.0583	7.97	6.40	28
14	19	14.72	0.00323	0.0736	12.7	6.53	36
12	19	18.54	0.00513	0.0927	20.2	4.02	49
10	19	23.39	0.00815	0.117	32.0	4.10	64
8	19	29.49	0.0130	0.147	51.0	2.52	87
6	19	37.17	0.0206	0.186	81.0	2.57	114
4	19	46.89	0.0328	0.234	129	1.59	156
2	19	59.13	0.0521	0.296	205	1.62	208
1	37	47.60	0.0657	0.333	258	1.00	241
1/0	37	53.43	0.0829	0.374	326	1.02	279
2/0	37	60.00	0.105	0.420	411	0.628	322
3/0	37	67.36	0.132	0.472	518	0.641	373
4/0	37	75.63	0.166	0.529	653	0.395	430
250	61	64.06	0.196	0.576	772	0.403	479
300	61	70.16	0.236	0.631	926	0.248	536
350	61	75.75	0.275	0.682	1081	0.253	590
400	61	80.98	0.314	0.729	1235	0.159	641
450	61	85.91	0.353	0.773	1389	0.126	689
500	61	90.55	0.393	0.815	1544	0.126	735
550	91	77.76	0.432	0.855	1698	0.100	780
600	91	81.22	0.471	0.893	1853	0.100	822
650	91	84.53	0.511	0.930	2007	0.0795	863
700	91	87.72	0.550	0.965	2161	0.0795	902
750	91	90.79	0.589	0.999	2316	0.0630	940
800	91	93.78	0.628	1.03	2470	0.0630	977
900	91	99.49	0.707	1.09	2779	0.0500	1047
1000	91	104.84	0.785	1.15	3088	0.0500	1113

Notes:
1. DC resistance calculated based on a 10.371 ohm-cmil/ft resistivity.
2. Ampacity based on 40°C ambient temperature, 80 °C conductor temperature, wind speed 2 ft/sec, at sea level, and at 60 Hz.
3.Data herein indicated are approximate and are subject to normal manufacturing tolerances.

Flexible Bare Copper Conductors

Flexible Bare Soft Copper Stranded

Flexible Bare Copper Conductors (International System Unit)

Flexible Bare Soft Copper Conductors (CCDS). Class K Stranding

Standards: ASTM B172, ASTM B174, NTC 1865, NTC 1817 Flexible Copper Conductors.

SIZE AWG / kcmil	STRANDS No.	CONFIGURATION [1]	STRAND DIAMETER (mm)	CROSS SECTION (mm^2)	CONDUCTOR DIAMETER (mm)	TOTAL WEIGHT (kg/km)	DC RESISTANCE AT 20°C [2] (ohm/km)	AMPACITY [3] (A)
22	7	1 x 7	0.254	0.3255	0.765	3.216	49.58	11
20	10	1 x 10	0.254	0.5176	0.916	4.595	34.71	16
18	16	1 x 16	0.254	0.8230	1.16	7.352	21.69	20
16	26	1 x 26	0.254	1.309	1.48	11.95	13.35	28
14	41	1 x 41	0.254	2.081	1.86	18.84	8.465	36
12	65	1 x 65	0.254	3.309	2.35	29.87	5.339	49
10	104	1 x 104	0.254	5.261	2.97	47.79	3.337	64
9	133	7 x 19	0.254	6.634	3.37	62.31	2.661	76
8	168	7 x 24	0.254	8.366	3.79	78.70	2.106	87
7	210	7 x 30	0.254	10.55	4.24	98.38	1.685	101
6	266	7 x 38	0.254	13.30	4.77	124.6	1.330	114
5	336	7 x 48	0.254	16.77	5.37	157.4	1.053	135
4	420	7 x 60	0.254	21.15	6.00	196.8	0.8425	156
3	532	19 x 28	0.254	26.67	6.76	251.6	0.6716	181
2	665	19 x 35	0.254	33.63	7.56	314.5	0.5372	208
1	836	19 x 44	0.254	42.41	8.49	395.4	0.4274	241
1/0	1064	19 x 56	0.254	53.48	9.58	503.3	0.3358	279
2/0	1323	7 x 7 x 27	0.254	67.43	10.69	631.7	0.2726	322
3/0	1666	7 x 7 x 34	0.254	85.03	12.01	795.5	0.2165	373
4/0	2107	7 x 7 x 43	0.254	107.2	13.51	1006	0.1712	430
250	2499	7 x 7 x 51	0.254	126.7	14.73	1193	0.1443	479
300	2989	7 x 7 x 61	0.254	152.0	16.11	1427	0.1207	536
350	3458	19 x 7 x 26	0.254	177.3	17.34	1667	0.1053	590
400	3990	19 x 7 x 30	0.254	202.7	18.63	1923	0.09125	641
450	4522	19 x 7 x 34	0.254	228.0	19.84	2180	0.08051	689
500	5054	19 x 7 x 38	0.254	253.4	20.99	2436	0.07204	735
550	5453	19 x 7 x 41	0.254	278.7	21.80	2628	0.06677	780
600	5985	19 x 7 x 45	0.254	304.0	22.85	2885	0.06083	822
650	6517	19 x 7 x 49	0.254	329.4	23.85	3141	0.05587	863
700	6916	19 x 7 x 52	0.254	354.7	24.57	3333	0.05264	902
750	7581	19 x 7 x 57	0.254	380.0	25.74	3654	0.04802	940
800	7980	19 x 7 x 60	0.254	405.4	26.41	3846	0.04562	977
900	9065	37 x 7 x 35	0.254	456.0	28.16	4369	0.04016	1047
1000	10101	37 x 7 x 39	0.254	506.7	29.73	4869	0.03604	1113

Notes:
1. Configuration data are for reference, other configurations may offer same flexibility with same DC resistance.
2. DC resistance calculated based on a 17.241 ohm-mm2/km resistivity.
3. Ampacity based on 40°C ambient temperature, 80 °C conductor temperature, wind speed 610mm/sec, at sea level, and at 60 Hz.
4. Data herein indicated are approximate and are subject to normal manufacturing tolerances.

Flexible Bare Soft Copper Conductors (CCDS). Class K Stranding

Standards: ASTM B172, ASTM B174, NTC 1865, NTC 1817 Flexible Copper Conductors.

SIZE AWG / kcmil	STRANDS No.	CONFIGURATION [1]	STRAND DIAMETER (mils)	CROSS SECTION (sq inches)	CONDUCTOR DIAMETER (inches)	TOTAL WEIGHT (lb/1000 ft)	DC RESISTANCE AT 20°C [2] (ohm/km)	AMPACITY [3] (A)
22	7	1 x 7	10.0	0.000505	0.0301	2.16	15.1	11
20	10	1 x 10	10.0	0.000802	0.0361	3.09	10.6	16
18	16	1 x 16	10.0	0.00128	0.0457	4.94	6.61	20
16	26	1 x 26	10.0	0.00203	0.0583	8.03	4.07	28
14	41	1 x 41	10.0	0.00323	0.0733	12.7	2.58	36
12	65	1 x 65	10.0	0.00513	0.0924	20.1	1.63	49
10	104	1 x 104	10.0	0.00815	0.117	32.1	1.02	64
9	133	7 x 19	10.0	0.0103	0.133	41.9	0.811	76
8	168	7 x 24	10.0	0.0130	0.149	52.9	0.642	87
7	210	7 x 30	10.0	0.0164	0.167	66.1	0.514	101
6	266	7 x 38	10.0	0.0206	0.188	83.7	0.405	114
5	336	7 x 48	10.0	0.0260	0.211	106	0.321	135
4	420	7 x 60	10.0	0.0328	0.236	132	0.257	156
3	532	19 x 28	10.0	0.0413	0.266	169	0.205	181
2	665	19 x 35	10.0	0.0521	0.298	211	0.164	208
1	836	19 x 44	10.0	0.0657	0.334	266	0.130	241
1/0	1064	19 x 56	10.0	0.0829	0.377	338	0.102	279
2/0	1323	7 x 7 x 27	10.0	0.105	0.421	425	0.0831	322
3/0	1666	7 x 7 x 34	10.0	0.132	0,473	535	0.0660	373
4/0	2107	7 x 7 x 43	10.0	0.166	0.532	676	0.0522	430
250	2499	7 x 7 x 51	10.0	0.196	0.580	802	0.0440	479
300	2989	7 x 7 x 61	10.0	0.236	0.634	959	0.0368	536
350	3458	19 x 7 x 26	10.0	0.275	0.683	1120	0.0321	590
400	3990	19 x 7 x 30	10.0	0.314	0.734	1292	0.0278	641
450	4522	19 x 7 x 34	10.0	0.353	0.781	1465	0.0245	689
500	5054	19 x 7 x 38	10.0	0.393	0.826	1637	0.0220	735
550	5453	19 x 7 x 41	10.0	0.432	0.858	1766	0.0204	780
600	5985	19 x 7 x 45	10.0	0.471	0.900	1939	0.0185	822
650	6517	19 x 7 x 49	10.0	0.511	0.939	2111	0.0170	863
700	6916	19 x 7 x 52	10.0	0.550	0.967	2240	0.0160	902
750	7581	19 x 7 x 57	10.0	0.589	1.013	2456	0.0146	940
800	7980	19 x 7 x 60	10.0	0.628	1.040	2585	0.0139	977
900	9065	37 x 7 x 35	10.0	0.707	1.109	2936	0.0122	1047
1000	10101	37 x 7 x 39	10.0	0.785	1.171	3272	0.0110	1113

Notes:

1. Configuration data are for reference, other configurations may offer same flexibility with same DC resistance.
2. DC resistance calculated based on a 10.371 ohm-cmil/ft resistivity.
3. Ampacity based on 40°C ambient temperature, 80 °C conductor temperature, wind speed 2 ft/sec, at sea level, and at 60 Hz.
4. Data herein indicated are approximate and are subject to normal manufacturing tolerances.

Flexible Bare Copper Conductors (International System Unit)

Flexible Bare Soft Copper Conductors (CCDS). Class M Stranding

Standards: ASTM B172, ASTM B174, NTC 1865, NTC 1817 Flexible Copper Conductors.

SIZE AWG / kcmil	STRANDS No.	CONFIGURATION [1]	STRAND DIAMETER (mm)	CROSS SECTION (mm^2)	CONDUCTOR DIAMETER (mm)	TOTAL WEIGHT (kg/km)	DC RESISTANCE AT 20°C [2] (ohm/km)	AMPACITY [3] (A)
24	10	1 x 10	0.160	0.2047	0.577	1.824	87.44	8.8
22	16	1 x 16	0.160	0.3255	0.731	2.918	54.65	11
20	26	1 x 26	0.160	0.5176	0.933	4.741	33.63	16
18	41	1 x 41	0.160	0.8230	1.17	7.477	21.33	20
16	65	1 x 65	0.160	1.309	1.48	11.85	13.45	28
14	104	1 x 104	0.160	2.081	1.87	18.97	8.408	36
12	168	7 x 24	0.160	3.309	2.39	31.24	5.307	49
10	259	7 x 37	0.160	5.261	2.97	48.16	3.442	64
9	336	7 x 48	0.160	6.634	3.38	62.48	2.653	76
8	420	7 x 60	0.160	8.366	3.78	78.09	2.123	87
7	532	19 x 28	0.160	10.55	4.26	99.87	1.692	101
6	665	19 x 35	0.160	13.30	4.77	124.8	1.354	114
5	836	19 x 44	0.160	16.77	5.35	156.9	1.077	135
4	1064	19 x 56	0.160	21.15	6.04	199.7	0.8460	156
3	1323	7 x 7 x 27	0.160	26.67	6.74	250.7	0.6869	181
2	1666	7 x 7 x 34	0.160	33.63	7.56	315.7	0.5454	208
1	2107	7 x 7 x 43	0.160	42.41	8.51	399.3	0.4313	241
1/0	2646	7 x 7 x 54	0.160	53.48	9.55	501.5	0.3434	279
2/0	3325	19 x 7 x 25	0.160	67.43	10.71	636.1	0.2759	322
3/0	4256	19 x 7 x 32	0.160	85.03	12.13	814.2	0.2155	373
4/0	5320	19 x 7 x 40	0.160	107.2	13.57	1018	0.1724	430
250	6384	19 x 7 x 48	0.160	126.7	14.87	1221	0.1437	479
300	7581	19 x 7 x 57	0.160	152.0	16.21	1450	0.1210	536
350	8806	37 x 7 x 34	0.160	177.3	17.48	1685	0.1042	590
400	10101	37 x 7 x 39	0.160	202.7	18.73	1932	0.09081	641
450	11396	37 x 7 x 44	0.160	228.0	19.90	2180	0.08049	689
500	12691	37 x 7 x 49	0.160	253.4	21.01	2428	0.07228	735
550	13664	61 x 7 x 32	0.160	278.7	21.81	2614	0.06713	780
600	14945	61 x 7 x 35	0.160	304.0	22.81	2859	0.06138	822
650	16226	61 x 7 x 38	0.160	329.4	23.78	3104	0.05653	863
700	17507	61 x 7 x 41	0.160	354.7	24.70	3349	0.05240	902
750	18788	61 x 7 x 44	0.160	380.0	25.60	3594	0.04882	940
800	20069	61 x 7 x 47	0.160	405.4	26.46	3839	0.04571	977
900	22631	61 x 7 x 53	0.160	456.0	28.11	4329	0.04053	1047
1000	25193	61 x 7 x 59	0.160	506.7	29.67	4820	0.03641	1113

Notes:
1. Configuration data are for reference, other configurations may offer same flexibility with same DC resistance.
2. DC resistance calculated based on a 17.241 ohm-mm2/km resistivity
3. Ampacity based on 40°C ambient temperature, 80 °C conductor temperature, wind speed 610mm/sec, at sea level, and at 60 Hz.
4. Data herein indicated are approximate and are subject to normal manufacturing tolerances.

Flexible Bare Soft Copper Conductors (CCDS). Class M Stranding

Standards: ASTM B172, ASTM B174, NTC 1865, NTC 1817 Flexible Copper Conductors.

SIZE AWG / kcmil	STRANDS No.	CONFIGURATION [1]	STRAND DIAMETER (mils)	CROSS SECTION (sq inches)	CONDUCTOR DIAMETER (inches)	TOTAL WEIGHT (lb/1000 ft)	DC RESISTANCE AT 20°C [2] (ohm/km) Soft	AMPACITY [3] (A)
24	10	1 x 10	6.3	0.000317	0.0227	1.23	26.65	8.8
22	16	1 x 16	6.3	0.000505	0.0288	2.92	54.65	11
20	26	1 x 26	6.3	0.000802	0.0367	4.74	33.63	16
18	41	1 x 41	6.3	0.00128	0.0462	7.48	21.33	20
16	65	1 x 65	6.3	0.00203	0.0582	11.9	13.45	28
14	104	1 x 104	6.3	0.00323	0.0738	19.0	8.408	36
12	168	7 x 24	6.3	0.00513	0.0939	31.2	5.307	49
10	259	7 x 37	6.3	0.00815	0.117	48.2	3.442	64
9	336	7 x 48	6.3	0.0103	0.133	62.5	2.653	76
8	420	7 x 60	6.3	0.0130	0.149	78.1	2.123	87
7	532	19 x 28	6.3	0.0164	0.168	100	1.692	101
6	665	19 x 35	6.3	0.0206	0.188	125	1.354	114
5	836	19 x 44	6.3	0.0260	0.211	157	1.077	135
4	1064	19 x 56	6.3	0.0328	0.238	200	0.8460	156
3	1323	7 x 7 x 27	6.3	0.0413	0.265	251	0.6869	181
2	1666	7 x 7 x 34	6.3	0.0521	0.298	316	0.5454	208
1	2107	7 x 7 x 43	6.3	0.0657	0.335	399	0.4313	241
1/0	2646	7 x 7 x 54	6.3	0.0829	0.376	501	0.3434	279
2/0	3325	19 x 7 x 25	6.3	0.105	0.422	636	0.2759	322
3/0	4256	19 x 7 x 32	6.3	0.132	0.477	814	0.2155	373
4/0	5320	19 x 7 x 40	6.3	0.166	0.534	1018	0.1724	430
250	6384	19 x 7 x 48	6.3	0.196	0.585	1221	0.1437	479
300	7581	19 x 7 x 57	6.3	0.236	0.638	1450	0.1210	536
350	8806	37 x 7 x 34	6.3	0.275	0.688	1685	0.1042	590
400	10101	37 x 7 x 39	6.3	0.314	0.737	1932	0.09081	641
450	11396	37 x 7 x 44	6.3	0.353	0.784	2180	0.08049	689
500	12691	37 x 7 x 49	6.3	0.393	0.827	2428	0.07228	735
550	13664	61 x 7 x 32	6.3	0.432	0.859	2614	0.06713	780
600	14945	61 x 7 x 35	6.3	0.471	0.898	2859	0.06138	822
650	16226	61 x 7 x 38	6.3	0.511	0.936	3104	0.05653	863
700	17507	61 x 7 x 41	6.3	0.550	0.973	3349	0.05240	902
750	18788	61 x 7 x 44	6.3	0.589	1.01	3594	0.04882	940
800	20069	61 x 7 x 47	6.3	0.628	1.04	3839	0.04571	977
900	22631	61 x 7 x 53	6.3	0.707	1.11	4329	0.04053	1047
1000	25193	61 x 7 x 59	6.3	0.785	1.17	4820	0.03641	1113

Notes:

1. Configuration data are for reference, other configurations may offer same flexibility with same DC resistance.
2. DC resistance calculated based on a 10.371 ohm-cmil/ft resistivity.
3. Ampacity based on 40°C ambient temperature, 80 °C conductor temperature, wind speed 2 ft/sec, at sea level, and at 60 Hz.
4. Data herein indicated are approximate and are subject to normal manufacturing tolerances.