

# Solid & Stranded Conductor Properties

AWG Size	Total Strands/ Strand Size	Type	STRAND DETAIL		NOMINAL DIAMETER		NOMINAL CROSS SECTION				APPROX. WEIGHT		NOM. BREAK STRENGTH		MAX. DC Ohms/ 1,000'	RESISTANCE Ohms/ Km
			Lay-up	Strand Size	Inches	mm	Circ	Mils	% Solid	Sq Inches	Sq mm	Lbs/ 1,000'	Kg/ Km	Lbs		
2	259/26	RC	37 x 7 /	26	0.3339	8.481	65,478	98.67%	0.05143	33.18	225	335	1,800	816	0.1845	0.6053
2	637/30	RB	7 x 7 x 13 /	30	0.3498	8.885	63,700	95.99%	0.05003	32.28	217	323	1,751	794	0.1868	0.6129
2	665/30	RB	7 x 95 /	30	0.3276	8.321	66,500	100.21%	0.05223	33.70	216	321	1,828	829	0.1704	0.5591
2	665/30	RB	19 x 35 /	30	0.3276	8.321	66,500	100.21%	0.05223	33.70	226	337	1,828	829	0.1789	0.5871
2	1666/34	RB	7 x 7 x 34 /	34	0.3564	9.053	66,124	99.65%	0.05193	33.51	225	335	1,818	824	0.1821	0.5975
2	2646/36	RB	7 x 7 x 54 /	36	0.3565	9.055	66,150	99.69%	0.05195	33.52	225	335	1,818	825	0.1836	0.6023
2	2891/36	RB	7 x 7 x 59 /	36	0.3726	9.464	72,275	108.92%	0.05676	36.62	246	366	1,987	901	0.1680	0.5513
1	1/1	S	1 /	1	0.2893	7.348	83,694	100.00%	0.06573	42.41	253	377	2,301	1,044	0.1264	0.4148
1	19/14	C	19 /	14	0.3205	9.141	78,067	93.28%	0.06131	39.56	243	362	2,146	973	0.1394	0.4575
1	37/17	C	37 /	17	0.3171	8.054	75,927	90.72%	0.05963	38.48	237	352	2,087	947	0.1438	0.4720
1	49/18	RC	7 x 7 /	18	0.3627	9.213	79,580	95.08%	0.06250	40.33	261	388	2,188	992	0.1438	0.4717
1	61/19	C	61 /	19	0.3231	8.207	78,617	93.93%	0.06175	39.84	245	365	2,161	980	0.1390	0.4559
1	133/22	RB	7 x 19 /	22	0.3795	9.639	85,132	101.72%	0.06686	43.14	279	415	2,340	1,062	0.1349	0.4427
1	133/22	RC	19 x 7 /	22	0.3795	9.639	85,132	101.72%	0.06686	43.14	293	436	2,340	1,062	0.1417	0.4648
1	259/25	RB	7 x 37 /	25	0.3660	9.296	82,986	99.15%	0.06518	42.05	269	400	2,281	1,035	0.1369	0.4491
1	259/25	RC	37 x 7 /	25	3.7590	9.548	82,986	99.15%	0.06518	42.05	285	424	2,281	1,035	0.1451	0.4762
1	836/30	RB	19 x 44 /	30	0.3673	9.329	83,600	99.89%	0.06566	42.36	285	423	2,298	1,042	0.1423	0.4670
1	2107/34	RB	7 x 7 x 43 /	34	0.4008	10.180	83,627	99.92%	0.06568	42.38	285	423	2,299	1,043	0.1440	0.4725
1	3332/36	RB	7 x 7 x 68 /	36	0.4000	10.160	83,300	99.53%	0.06542	42.21	284	422	2,290	1,039	0.1458	0.4783
1/0	1/1/0	S	1 /	1/0	0.3249	8.252	105,560	100.00%	0.08291	53.49	320	475	2,902	1,316	0.1002	0.3288
1/0	19/13	C	19 /	13	0.3600	9.144	98,496	93.31%	0.07736	49.91	307	457	2,708	1,228	0.1106	0.3629
1/0	37/16	C	37 /	16	0.3556	9.032	95,484	90.45%	0.07499	48.39	298	443	2,625	1,191	0.1141	0.3744
1/0	61/18	C	61 /	18	0.3627	9.213	99,069	93.85%	0.07781	50.20	309	460	2,723	1,235	0.1100	0.3609
1/0	133/21	RC	7 x 19 /	21	0.4275	10.86	108,029	102.34%	0.08485	54.74	354	526	2,970	1,347	0.1060	0.3479
1/0	133/21	RC	19 x 7 /	21	0.4275	10.86	108,029	102.34%	0.08485	54.74	371	553	2,970	1,347	0.1113	0.3653
1/0	259/24	RB	7 x 37 /	24	0.4110	10.44	104,639	99.13%	0.08218	53.02	339	505	2,876	1,305	0.1083	0.3553
1/0	259/24	RC	37 x 7 /	24	0.4221	10.72	104,639	99.13%	0.08218	53.02	360	535	2,876	1,305	0.1148	0.3767
1/0	427/26	RB	7 x 61 /	26	0.4174	10.60	107,950	102.26%	0.08478	54.70	350	521	2,967	1,346	0.1055	0.3462
1/0	427/26	RC	61 x 7 /	26	0.4293	10.90	107,950	102.26%	0.08478	54.70	371	552	2,967	1,346	0.1119	0.3671
1/0	1045/30	RB	19 x 55 /	30	0.4107	10.43	104,500	99.00%	0.08207	52.95	356	529	2,873	1,303	0.1139	0.3736
1/0	1078/30	RB	7 x 7 x 22 /	30	0.4551	11.56	107,800	102.12%	0.08467	54.63	367	546	2,963	1,344	0.1104	0.3622
1/0	2100/34	RB	7 x 3 x 100 /	34	0.4001	10.16	83,349	78.96%	0.06546	42.24	284	422	2,291	1,039	0.1445	0.4740
1/0	2646/34	RB	7 x 7 x 54 /	34	0.4492	11.41	105,020	99.49%	0.08248	53.22	357	532	2,887	1,309	0.1147	0.3762
1/0	4214/36	RB	7 x 7 x 86 /	36	0.4499	11.43	105,350	99.80%	0.08274	53.38	359	534	2,896	1,314	0.1153	0.3782
1/0	4655/36	RB	7 x 7 x 95 /	36	0.4728	12.01	116,375	110.25%	0.09140	58.97	396	590	3,199	1,451	0.10435	0.3424
2/0	1/2/0	S	1 /	2/0	0.3648	9.266	133,079	100.00%	0.10450	67.44	403	599	3,658	1,659	0.07949	0.2608
2/0	19/12	C	19 /	12	0.4040	10.26	124,044	93.21%	0.09742	62.86	387	575	3,410	1,547	0.08785	0.2882
2/0	37/15	C	37 /	15	0.3997	10.15	120,635	90.65%	0.09475	61.13	376	560	3,316	1,504	0.09044	0.2967
2/0	61/17	C	61 /	16	0.4572	11.61	157,419	118.29%	0.12360	79.77	491	730	4,327	1,963	0.06921	0.2271
2/0	133/20	RC	19 x 7 /	20	0.4800	12.19	136,192	102.34%	0.10700	69.01	468	697	3,744	1,698	0.08812	0.2891
2/0	133/20	RC	7 x 19 /	20	0.4800	12.19	136,192	102.34%	0.10700	69.01	446	664	3,744	1,698	0.08392	0.2753
2/0	259/23	RC	37 x 7 /	23	0.4746	12.05	132,287	99.40%	0.10390	67.03	455	677	3,636	1,649	0.09062	0.2973
2/0	259/23	RB	7 x 37 /	23	0.4621	11.74	132,287	99.40%	0.10390	67.03	429	638	3,636	1,649	0.08547	0.2804
2/0	427/25	RC	61 x 7 /	25	0.4833	12.28	136,815	102.81%	0.10750	69.33	470	700	3,761	1,706	0.08804	0.2889
2/0	427/25	RB	7 x 61 /	25	0.4699	11.94	136,815	102.81%	0.10750	69.33	444	660	3,761	1,706	0.08303	0.2724



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