

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 RESISTANCE	
			Lay-up	Strand Size	Inches	mm	Circ Mils	% Solid	Sq Inches	Sq mm	Lbs/ 1,000'	Kg/ Km	Lbs	Kg	Ohms/ 1,000'	Ohms/ Km
26	66/44	RB	3 x 22	/ 44	0.0206	0.5232	264.00	104.43%	0.0002073	0.1338	0.855	1.27	7.26	3.29	46.62	153.00
26	105/46	RB	3 x 35	/ 46	0.0204	0.5182	258.81	102.38%	0.0002033	0.1312	0.843	1.25	7.11	3.23	46.39	152.20
25	1/25	S	1	/ 25	0.0179	0.4547	320.41	100.00%	0.0002516	0.1624	0.970	1.44	8.81	4.00	33.10	108.60
25	7/33	C	7	/ 33	0.0213	0.5410	352.87	110.13%	0.0002771	0.1788	1.10	1.64	9.70	4.40	31.14	102.20
25	19/37	C	19	/ 37	0.0225	0.5715	384.75	120.08%	0.0003022	0.1950	1.20	1.79	10.60	4.80	29.04	95.28
25	33/40	RB	3 x 11	/ 40	0.0226	0.5740	317.13	98.98%	0.0002491	0.1607	1.03	1.53	8.72	3.95	37.40	122.70
25	75/44	RB	3 x 25	/ 44	0.0220	0.5588	300.00	93.63%	0.0002356	0.1520	0.972	1.45	8.25	3.74	41.02	134.60
24	1/24	S	1	/ 24	0.0201	0.5105	404.01	100.00%	0.0003173	0.2047	1.22	1.82	11.10	5.04	26.19	85.93
24	7/32	C	7	/ 32	0.0240	0.6096	448.00	110.89%	0.0003519	0.2270	1.40	2.08	12.30	5.59	24.45	80.23
24	10/34	B	10	/ 34	0.0230	0.5842	396.90	98.24%	0.0003117	0.2011	1.23	1.82	10.90	4.95	27.52	90.29
24	16/36	B	16	/ 36	0.0231	0.5867	400.00	99.01%	0.0003142	0.2027	1.24	1.84	11.00	4.99	27.54	90.35
24	19/36	C	19	/ 36	0.025	0.6350	475.00	117.57%	0.0003731	0.2407	1.48	2.20	13.10	5.92	23.42	76.83
24	41/40	B	41	/ 40	0.0229	0.5817	394.01	97.52%	0.0003095	0.1997	1.22	1.81	10.80	4.91	28.67	94.06
24	42/40	B	42	/ 40	0.0232	0.5893	403.62	99.90%	0.0003170	0.2045	1.25	1.86	11.10	5.03	27.99	91.82
24	65/42	B	65	/ 42	0.0233	0.5918	406.25	100.55%	0.0003191	0.2059	1.25	1.86	11.20	5.07	28.25	92.70
24	100/44	RB	2 x 50	/ 44	0.0254	0.6452	400.00	99.01%	0.0003142	0.2027	1.30	1.93	11.00	4.99	30.77	100.95
24	105/44	RB	7 x 15	/ 44	0.0260	0.6604	420.00	103.96%	0.0003299	0.2128	1.36	2.02	11.50	5.24	29.30	96.14
24	105/44	RB	3 x 35	/ 44	0.0260	0.6604	420.00	103.96%	0.0003299	0.2128	1.36	2.02	11.50	5.24	29.30	96.14
23	1/23	S	1	/ 23	0.0226	0.5740	510.76	100.00%	0.0004011	0.2588	1.55	2.30	14.00	6.37	20.67	67.82
23	7/31	C	7	/ 31	0.0267	0.6782	554.47	108.56%	0.0004355	0.2810	1.73	2.57	15.20	6.91	19.71	64.65
23	21/36	B	21	/ 36	0.0265	0.6731	525.00	102.79%	0.0004123	0.2660	1.62	2.41	14.40	6.55	20.98	68.84
23	49/40	RC	7 x 7	/ 40	0.0279	0.7087	470.89	92.19%	0.0003698	0.2386	0.15	2.29	12.90	5.87	25.43	83.45
23	54/40	RB	3 x 18	/ 40	0.0289	0.7341	518.94	101.60%	0.0004076	0.2630	1.68	2.50	14.30	6.47	22.85	74.99
23	132/44	RB	3 x 44	/ 44	0.0292	0.7417	528.00	103.38%	0.0004147	0.2676	1.71	2.55	14.50	6.58	23.31	76.48
22	1/22	S	1	/ 22	0.0253	0.6426	640.09	100.00%	0.0005027	0.3244	1.94	2.88	17.60	7.98	16.59	54.44
22	7/30	C	7	/ 30	0.0300	0.7620	700.00	109.36%	0.0005498	0.3547	2.18	3.25	19.20	8.73	15.57	51.09
22	16/34	B	16	/ 34	0.0291	0.7391	635.04	99.21%	0.0004988	0.3218	1.96	2.92	17.50	7.92	17.20	56.43
22	19/34	C	19	/ 34	0.0315	0.8001	754.11	117.81%	0.0005923	0.3821	2.35	3.50	20.70	9.40	14.63	47.99
22	26/36	B	26	/ 36	0.0294	0.7468	650.00	101.55%	0.0005105	0.3294	2.01	2.99	17.90	8.10	16.95	55.60
22	66/40	RB	2 x 33	/ 40	0.0320	0.8128	634.26	99.09%	0.0004981	0.3214	2.06	3.06	17.40	7.91	18.70	61.35
22	66/40	RB	3 x 22	/ 40	0.0320	0.8128	634.26	99.09%	0.0049810	0.3214	2.06	3.06	17.40	7.91	18.70	61.35
22	66/40	B	66	/ 40	0.0291	0.7391	634.26	99.09%	0.0004981	0.3214	1.96	2.92	17.40	7.91	17.81	58.43
22	150/44	RB	3 . 50	/ 44	0.0311	0.7899	600.00	93.74%	0.0004712	0.3040	1.94	2.89	16.50	7.48	20.51	67.30
22	154/44	RB	7 x 22	/ 44	0.0315	0.8001	616.00	96.24%	0.0004838	0.3122	2.00	2.97	16.90	7.68	19.98	65.55
22	168/44	RB	6 x 24	/ 44	0.0329	0.8357	672.00	104.99%	0.0005278	0.3405	2.18	3.24	18.50	8.38	18.31	60.11
21	1/21	S	1	/ 21	0.0285	0.7239	812.25	100.00%	0.0006379	0.4116	2.45	3.66	22.30	10.10	13.04	42.79
21	7/29	C	7	/ 29	0.0339	0.8611	893.83	110.04%	0.0007020	0.4529	2.79	4.15	24.60	11.10	12.17	39.91
21	22/34	B	22	/ 34	0.0341	0.8661	873.18	107.50%	0.0006858	0.4425	2.70	4.01	24.00	10.90	12.51	41.04
21	77/40	RB	7 x 11	/ 40	0.0346	0.8788	739.97	91.10%	0.0005812	0.3750	2.40	3.57	20.30	9.23	16.03	52.59
21	84/40	RB	7 x 12	/ 40	0.0361	0.9169	807.24	99.38%	0.0006340	0.4091	2.62	3.90	22.20	10.10	14.69	48.21
21	210/44	RB	7 x 30	/ 44	0.0368	0.9347	840.00	103.42%	0.0006597	0.4257	2.72	4.05	23.10	10.50	14.65	48.07
20	1/20	S	1	/ 20	0.0320	0.8128	1024.00	100.00%	0.0008042	0.5189	3.10	4.61	28.10	12.80	10.32	33.86
20	7/28	C	7	/ 28	0.0378	0.9601	1111.30	108.53%	0.0008728	0.5631	3.47	5.16	30.50	13.90	9.77	32.04
20	10/30	B	10	/ 30	0.0365	0.9271	1000.00	97.66%	0.0007854	0.5067	3.09	4.59	27.50	12.50	10.79	35.41
20	19/32	C	19	/ 32	0.0400	1.016	1216.00	118.75%	0.0009550	0.6162	3.79	5.64	33.40	15.20	9.008	29.56