



## ALL ALUMINUM CONDUCTOR STEEL REINFORCED (ACSR) - DIN 48204: 1984

Nominal Area (mm <sup>2</sup> )	Aluminium (mm <sup>2</sup> )	Steel (mm <sup>2</sup> )	Stranding		Wire diameter		Diameter of Complete Conductor (mm)	Conductor Weight (Kg/km)	Rated Strength KN	DC Resistance @ 20°C (Ω/Km)	Current Capacity
			No. of Wires		AL (mm)	Steel (mm)					.@80°C (Ampere)
			AL (No.)	Steel (No.)							
16 / 2.5	15.27	2.54	6	1	1.80	1.80	5.40	62	5.8	1.8793	105
44676	23.86	3.98	6	1	2.25	2.25	6.80	97	9.0	1.2028	140
35 / 6	34.35	5.73	14	1	2.70	2.70	8.10	140	12.7	0.8353	170
44 / 32	43.98	31.67	14	7	2.00	2.40	11.20	373	45.5	0.6573	195
50 / 8	48.25	8.04	6	1	3.20	3.20	9.60	196	17.2	0.5946	210
50 / 30	51.17	29.85	12	7	2.33	2.33	11.70	378	44.3	0.5644	213
70 / 12	69.89	11.40	26	7	1.80	1.44	11.70	284	26.3	0.4130	290
95 / 15	94.39	15.33	26	7	2.15	1.67	13.60	383	35.2	0.3058	350
95 / 55	96.61	66.30	12	7	3.20	3.20	16.00	714	80.2	0.2992	367
105 / 75	105.67	75.55	14	19	3.10	2.25	17.50	899	106.7	0.2736	394
120 / 20	121.57	19.85	26	7	2.44	1.90	15.50	494	44.9	0.2374	410
120 / 70	122.15	71.25	12	7	3.60	3.60	18.00	904	98.2	0.2364	724
125 / 30	127.92	29.85	30	7	2.33	2.33	16.30	590	57.9	0.2259	425
150 / 25	148.86	24.25	26	7	2.70	2.10	17.10	604	54.4	0.1939	470
170 / 40	171.77	40.08	30	7	2.70	2.70	18.90	794	77.0	0.1682	520
185 / 30	183.78	29.85	26	7	3.00	2.33	19.00	744	66.3	0.1571	535
210 / 35	209.1	34.09	26	7	3.20	2.49	20.30	848	74.9	0.1380	590
210 / 50	212.06	49.48	30	7	3.00	3.00	21.00	979	92.3	0.1363	610





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			No. of Wires		AL	Steel					
			(mm <sup>2</sup> )	(mm <sup>2</sup> )	(mm <sup>2</sup> )	(No.)					(No.)
230 / 30	230.91	28.85	24	7	3.50	2.33	21.00	874	73.1	0.1249	630
240 / 40	243.05	39.49	26	7	3.45	2.68	21.80	985	86.5	0.1188	645
265 / 35	263.66	34.09	24	7	3.74	2.49	22.40	998	82.9	0.1094	680
300 / 50	304.26	49.48	26	7	3.85	3.00	24.50	1233	105.1	0.0949	740
305 / 40	304.62	39.49	54	7	2.68	2.68	24.10	1155	99.3	0.0949	740
340 / 30	339.29	29.85	48	7	3.00	2.33	25.00	1174	92.6	0.0851	790
380 / 50	381.7	49.48	54	7	3.00	3.00	27.00	1448	120.9	0.0757	840
385 / 35	386.04	34.09	48	7	3.20	2.49	26.70	1336	104.3	0.0748	850
435 / 55	434.29	56.30	54	7	3.20	3.20	28.80	1647	136.3	0.0666	900
450 / 40	448.71	39.49	48	7	3.45	2.68	28.70	1553	120.2	0.0644	920
490 / 65	490.29	63.55	54	7	3.40	3.40	30.60	1860	152.9	0.0590	960
495 / 35	494.36	34.09	45	7	3.74	2.49	29.90	1636	120.3	0.0584	985
510 / 45	510.54	45.28	48	7	3.68	2.87	30.70	1770	134.3	0.0566	995
550 / 70	549.65	71.25	54	7	3.60	3.60	32.40	2085	167.4	0.0526	1020
560 / 50	561.7	49.48	48	7	3.86	3.00	32.20	1943	146.3	0.0514	1040
570 / 40	571.16	39.49	45	7	4.02	2.68	32.20	1889	138.0	0.0506	1050
650 / 45	653.49	45.28	45	7	4.30	2.87	34.40	2163	155.5	0.0442	1120
680 / 85	678.58	85.95	54	19	4.00	2.40	36.00	2564	210.0	0.0426	1150

