



S.M.C

All Aluminum Conductors (AAC) Conductors for Overhead lines



Nominal Aluminium Area	No. and Nominal Diameter of Wires	Approx. Overall Diameter	Calculated DC Resistance at 20°C(Max.)	Approx. Weight of Conductor	Breaking Load	Standard Packing Length	Drum size	Approx. Gross weight
Sqmm	No./mm	mm	Ohm/km	Kg/Km	KN	Meter±10%		KG
13.29	7/1.55	4.7	2.1690	37	2.35	2000	D-6	115
21.16	7/1.96	5.9	1.3620	58	3.68	2000	D-7	160
33.61	7/2.47	7.4	0.8574	93	5.63	2000	D-8	240
42.39	7/2.78	8.3	0.6801	117	6.84	2000	D-8	285
53.48	7/3.12	9.4	0.5390	114	8.30	2000	D-10	355
67.42	7/3.50	10.5	0.4276	186	10.46	2000	D-10	435
85.03	7/3.93	11.8	0.3390	234	12.66	2000	D-11	570
126.70	19/2.91	14.6	0.2275	349	20.05	2000	D-12	810
135.20	19/3.01	15.1	0.2133	373	21.40	2000	D-12	860
152.00	19/3.19	16.0	0.1896	419	23.58	2000	D-14	990
170.50	19/3.38	16.9	0.1692	470	26.46	2000	D-14	1090
177.40	19/3.45	17.2	0.1625	489	27.52	2000	D-14	1130
201	19/3.67	18.4	0.1432	556	30.64	2000	D-16	1320
228	19/3.91	19.6	0.1264	628	33.96	2000	D-16	1470
242	37/2.88	20.2	0.1193	666	38.26	2000	D-16	1540
242	19/4.02	20.1	0.1193	666	36.00	2000	D-16	1540
253	37/2.95	20.7	0.1137	698	40.10	2000	D-16	1610
253	19/4.12	20.6	0.1137	698	37.74	2000	D-16	1610
282	19/4.35	21.7	0.1023	777	42.00	2000	D-18	1790



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282	37/3.11	21.8	0.1023	777	43.76	2000	D-18	1790
304	37/3.23	22.6	0.0948	838	47.18	2000	D-18	1920
323	37/3.33	23.3	0.0893	888	50.01	2000	D-18	2020
329	37/3.37	23.6	0.0875	910	51.11	2000	D-18	2060
355	61/2.72	24.5	0.0813	978	57.27	2000	D-18	2200
355	37/3.49	24.5	0.0813	978	55.04	2000	D-18	2200
363	61/2.75	24.8	0.0795	1000	58.52	2000	D-18	2240
363	37/3.53	24.7	0.0795	1000	56.27	2000	D-18	2240