



# 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	Approximate Gross weight
Sqmm	No./mm	mm	Ohm/km	Kg/Km	KN	Meter ± 5%		KG
403	61/2.90	26.1	0.0715	1111	63.77	2000	D-19	2540
403	37/3.72	26.1	0.0715	1111	61.26	2000	D-19	2540
456	61/3.09	27.8	0.0632	1257	70.77	2000	D-19	2830
456	37/3.96	27.7	0.0632	1257	67.94	2000	D-19	2830
483	61/3.18	28.6	0.0596	1333	75.02	2000	D-21	3090
483	37/4.08	28.6	0.0596	1333	72.02	2000	D-21	3090
507	61/3.25	29.3	0.0569	1397	78.64	2000	D-21	3210
507	37/4.18	29.2	0.0569	1397	75.49	2000	D-21	3210
524	61/3.31	29.8	0.0550	1444	81.27	2000	D-21	3310
524	37/4.24	29.7	0.0550	1444	78.02	2000	D-21	3310
564	61/3.43	30.9	0.0511	1555	87.52	2000	D-21	3580



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604	6 1/3.55	32.2	0.0477	1665	93.77	2000	D-22	3800
645	6 1/3.67	33.0	0.0467	1777	98.02	2000	D-23	4050
685	6 1/3.78	34.0	0.0421	1888	104.15	2000	D-23	4280
725	6 1/3.89	35.0	0.0398	1999	108.02	1000	D-19	2320
766	6 1/4.00	36.0	0.0376	2110	114.02	1000	D-19	2430
806	6 1/4.10	37.0	0.0358	2222	120.03	1000	D-19	2550
887	6 1/4.30	38.7	0.0325	2445	132.10	1000	D-21	2870