



# 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
22	7/2.06	6.18	1.227	64	3.99	2000	D-7	175
50	7/3.10	9.30	0.5419	145	8.28	2000	D-9	350
60	7/3.40	10.20	0.4505	174	9.90	2000	D-9	410
100	7/4.39	13.17	0.2702	290	16.00	2000	D-11	680
150	19/3.25	16.25	0.1825	434	25.70	2000	D-14	1020
200	19/3.78	18.90	0.1349	587	32.40	2000	D-16	1380
250	19/4.22	21.10	0.1083	731	40.40	2000	D-18	1700
300	19/4.65	23.25	0.08916	888	48.75	2000	D-18	2020
400	37/3.78	26.46	0.06944	1145	63.10	2000	D-19	2610

AAC conform to BS 215 (Part1) 1970.