



S.M.C

All Aluminum conductors (AAC)

Conductors For Overhead Lines All Aluminum Conductors (AAC)



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±10%		KG
26.4	3/3.35	7.2	1.081	73	4.11	2000	D-7	190
26.8	7/2.21	6.6	1.068	73	4.59	2000	D-7	195
31.6	3/3.66	7.9	0.9082	86	4.87	2000	D-8	225
37.0	7/2.59	7.8	0.7731	101	6.05	2000	D-8	255
42.8	7/2.79	8.4	0.6694	117	6.88	2000	D-9	295
73.7	7/3.66	11.0	0.3884	202	11.34	2000	D-10	465
78.5	7/3.78	11.4	0.3645	215	11.95	2000	D-11	530
84.1	7/3.91	11.7	0.3405	230	12.78	2000	D-11	560
95.6	7/4.17	12.5	0.2994	262	14.54	2000	D-11	625
106.6	19/2.67	13.4	0.2699	293	17.42	2000	D-12	700
186.0	19/3.53	17.7	0.1547	512	28.65	2000	D-14	1170
236.9	19/3.99	20.0	0.1214	652	36.02	2000	D-16	1510
373.3	37/3.58	25.1	0.07723	1029	57.47	2000	D-18	2300
486.9	37/4.09	28.6	0.05921	1342	74.04	2000	D-19	3000
529.5	37/4.27	29.9	0.05445	1460	80.0	2000	D-21	3340