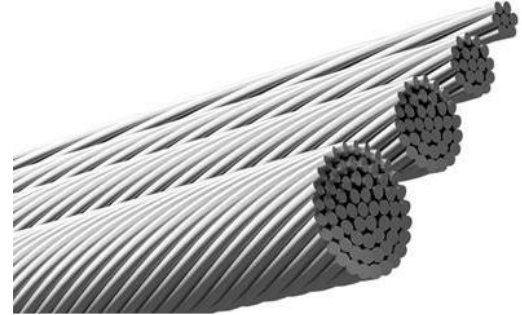




S.M.C

All Aluminium Conductors (AAC)

Conductors for Overhead Lines All aluminium conductors (AAC)



Conductor Area	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±5%		KG
16	15.89	7/1.70	5.1	1.8017	44	2.84	2000	D-7	130
25	24.25	7/2.10	6.3	1.1806	67	4.17	2000	D-8	180
35	34.36	7/2.50	7.5	0.8332	94	5.74	2000	D-8	240
50	49.48	7/3.00	9.0	0.5786	135	7.95	2000	D-9	330
50	48.36	19/1.80	9.0	0.5948	133	8.44	2000	D-9	330
70	65.82	19/2.10	10.5	0.4370	181	11.28	2000	D-10	425
95	93.27	19/2.50	12.5	0.3084	256	15.64	2000	D-12	625
120	117.00	19/2.80	14	0.2459	322	18.74	2000	D-12	755
150	147.10	37/2.25	15.7	0.1960	406	25.21	2000	D-14	965
185	181.60	37/2.50	17.5	0.1558	501	30.46	2000	D-16	1210
240	242.50	61/2.25	20.2	0.1192	670	39.39	2000	D-18	1580
300	299.40	61/2.50	22.5	0.09651	827	47.58	2000	D-18	1890
400	400.10	61/2.89	26.0	0.07222	1105	60.72	2000	D-19	2530
500	499.80	61/3.23	29.1	0.05782	1381	74.56	2000	D-21	3180
625	626.20	91/2.96	32.6	0.04625	1733	95.06	2000	D-23	3970
800	802.10	91/3.35	36.8	0.03611	2219	118.26	1000	D-21	2640
1000	999.10	91/3.74	41.1	0.02897	2766	145.63	1000	D-21	3190