



S.M.C

All Aluminum Alloy Conductors (AAAC) Conductors for Overhead Lines



CODE	Nominal area of conductors	No. and nominal diameter of wires	Approx. overall diameter	Calculated D.C Resistance at 20°C	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	18.4	7/1.83	5.49	1.7896	50.4	5.43	2000	D-6	146
25	28.8	7/2.29	6.86	1.1453	78.7	8.49	2000	D-7	202
40	46.0	7/2.89	8.68	0.7158	125.9	13.58	2000	D-9	312
63	72.5	7/3.63	10.90	0.4545	198.3	21.39	2000	D-10	457
100	115	19/2.78	13.90	0.2877	316.3	33.95	2000	D-12	743
125	144	19/3.10	15.50	0.2302	395.4	42.44	2000	D-14	941
160	184	19/3.51	17.60	0.1798	506.1	54.32	2000	D-14	1162
200	230	19/3.93	19.60	0.1439	632.7	67.91	2000	D-16	1475
250	288	19/4.39	22.00	0.1151	790.8	84.88	2000	D-18	1822
315	363	37/3.53	24.70	0.0916	998.9	106.95	2000	D-18	2238
400	460	37/3.98	27.29	0.0721	1268.4	135.81	2000	D-21	2957
450	518	37/4.22	29.60	0.0641	1426.9	152.79	2000	D-21	3274
500	575	37/4.45	31.20	0.577	1585.5	169.76	2000	D-22	3641



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560	645	61/3.67	33.00	0.0516	1778.4	190.14	2000	D-23	4057
630	725	61/3.89	35.00	0.0458	2000.7	213.90	2000	D-23	4501
710	817	61/4.13	37.20	0.0407	2254.8	241.07	2000	D-23	5010
800	921	61/4.38	39.50	0.0361	2540.6	271.62	2000	D-23	5581
900	1036	91/3.81	41.80	0.0321	2861.1	305.58	2000	D-23	6222
1000	1151	91/4.01	44.10	0.0289	3179.0	339.53	2000	D-24	6958
1120	1289	91/4.25	46.70	0.0258	3560.5	380.27	1000	D-23	7621
1250	1439	91/4.49	49.40	0.0231	3973.70	424.41	1000	D-23	8447

AAAC- Conform to IEC 1089 - 91