



ALL ALUMINIUM-ALLOY CONDUCTORS (AAAC-AL2) IEC 61089

Code Name	Actual Area	Stranding		Conductor Diameter	Weight	Rated Strength	DC Resistance @ 20°C (Max)
		No. of Aluminium Wires	Individual wire diameter				
	(mm ²)	(No.)	(mm)	(mm)	(Kg /Km)	(KN)	(Ω/Km)
16	18.4	7	1.83	5.49	50.4	5.43	1.7896
25	28.8	7	2.29	6.87	78.7	8.49	1.1453
40	46	7	2.89	8.67	125.9	13.58	0.7158
63	72.5	7	3.63	10.89	198.3	21.39	0.4545
100	115	19	2.78	13.9	316.3	33.95	0.2877
125	144	19	3.10	15.5	395.4	42.44	0.2302
160	184	19	3.51	17.55	506.1	54.32	0.1798
200	230	19	3.93	19.65	632.7	67.91	0.1439
250	288	19	4.39	21.95	790.8	84.88	0.1151
315	363	37	3.53	24.71	998.9	106.95	0.0916
400	460	37	3.98	27.86	1268.4	135.81	0.0721
450	518	37	4.22	29.54	1426.9	152.79	0.0641
500	575	37	4.45	31.15	1585.5	169.76	0.0577
560	645	61	3.67	33.03	1778.4	190.14	0.0516
630	725	61	3.89	35.01	2000.7	213.9	0.0458
710	817	61	4.13	37.17	2254.8	241.07	0.0407
800	921	61	4.38	39.42	2540.8	271.62	0.0361
900	1036	91	3.81	41.91	2861.1	305.58	0.0321
1000	1151	91	4.01	44.11	3179.0	339.53	0.0289
1120	1289	91	4.25	46.75	3560.5	380.27	0.0258
1250	1439	91	4.49	49.39	3973.7	424.41	0.0231

