



**ALUMINIUM ALLOY CONDUCTORS STEEL REINFORCED (AACSR)  
AS PER ASTM B 711 - 1993**

Conductor Area, mm <sup>2</sup>			Stranding and Wire Diameter				Dia. of Cond. mm	Rated Strength kN	Linear Density kg/km	D. C. Resistance Ohm/km
Alloy Nominal	Steel	Total	Alloy		Steel					
			Number	mm	Number	mm				
1250	102	1352	84	4.35	19	2.61	47.8	490	4255	0.02710
1120	91	1211	84	4.12	19	2.47	45.3	439	3816	0.03020
1000	81	1081	84	3.89	19	2.33	42.8	391	3400	0.0319
900	73	973	84	3.69	19	2.21	40.6	355	3060	0.0376
800	101	901	54	4.34	19	2.60	39.0	363	3003	0.0423
710	90	800	54	4.09	19	2.45	36.8	322	2664	0.0477
630	80	710	54	3.85	19	2.31	34.6	286	2365	0.0538
560	71	631	54	3.63	19	2.18	32.7	257	2104	0.0605
500	63	563	54	3.43	19	2.06	30.9	229	1878	0.0678
450	59	509	54	3.26	19	1.98	29.5	215	1706	0.0750
400	91	491	30	4.12	19	2.47	28.8	237	1818	0.0844
400	65	465	26	4.43	7	3.45	28.1	207	1616	0.0840
355	81	436	30	3.88	19	2.33	27.2	211	1614	0.0951
355	58	413	26	4.17	7	3.24	26.4	183	1430	0.0948
315	72	387	30	3.66	19	2.20	25.6	190	1438	0.1069
315	52	367	26	3.93	7	3.06	24.9	163	1272	0.1067
280	65	345	30	3.45	7	3.45	24.2	171	1286	0.1203
280	46	326	26	3.70	7	2.88	23.4	144	1127	0.1204
250	58	308	30	3.26	7	3.26	22.8	156	1149	0.1347
250	41	291	26	3.50	7	2.72	22.2	129	1008	0.1346
224	52	276	30	3.08	7	3.08	21.6	139	1025	0.1509
224	36	260	26	3.31	7	2.57	21.0	118	901	0.1504
200	47	247	30	2.91	7	2.91	20.4	124	915	0.1691
200	32	232	26	3.13	7	2.43	19.8	106	805	0.1682
180	42	222	30	2.76	7	2.76	19.3	112	823	0.1880
180	29	209	26	2.97	7	2.31	18.8	95.1	731	0.1868
160	38	198	30	2.61	7	2.61	18.3	106	736	0.2102
160	26	186	26	2.80	7	2.18	17.7	85.6	646	0.2102
140	33	173	30	2.44	7	2.44	17.1	87.4	643	0.2405
140	23	163	26	2.62	7	2.04	16.6	75.0	565	0.2401