



## ALL ALUMINUM CONDUCTOR STEEL REINFORCED (ACSR) - IEC 61089 : 1991 - TYPE A1/S2A

Code Name	Nominal Area	Sectional Area (mm <sup>2</sup> )	Stranding		Wire diameter		Diameter of Complete Conductor (mm)	Conductor Weight (Kg/km)	Rated Strength KN	DC Resistance @ 20°C (Ω/Km)	Current Capacity	
			No. of Wires		AL (mm)	Steel (mm)					@ 75°C (Ampere)	@ 85°C (Ampere)
			AL	Steel								
			(No.)	(No.)	(mm)	(mm)						
---	16	18.70	6	1	1.84	1.84	5.53	65	6.5	1.7934	76	90
---	25	29.20	6	1	2.30	2.30	6.91	101	9.7	1.1478	100	119
---	40	46.70	6	1	2.91	2.91	8.74	162	15.3	0.7174	132	158
---	63	73.50	6	1	3.66	3.66	11.00	254	22.4	0.4555	173	209
---	100	117.00	6	1	4.61	4.61	13.80	404	35.5	0.2869	227	277
---	125	132.00	18	1	2.97	2.97	14.90	398	3014.0	0.2304	275	336
---	125	145.00	26	7	2.47	1.92	15.70	504	4854.0	0.2310	277	339
---	160	169.00	18	1	3.36	3.36	16.80	509	3742.0	0.1800	317	390
---	160	186.00	26	7	2.80	2.18	17.70	645	61.3	0.1805	320	394
---	200	211.00	18	1	3.76	3.76	18.80	637	45.0	0.1440	361	446
---	200	233.00	26	7	3.13	2.43	19.80	806	74.7	0.1444	363	451
---	250	275.00	22	7	3.80	2.11	21.60	881	72.2	0.1154	412	513
---	250	291.00	26	7	3.50	2.72	22.20	1008	93.4	0.1155	413	516
---	315	337.00	45	7	2.99	1.99	23.90	1040	82.1	0.0917	462	580
---	315	366.00	26	7	3.93	3.05	24.90	1270	114.0	0.0917	471	592
---	400	428.00	45	7	3.36	2.24	26.90	1320	102.2	0.0722	529	668
---	400	452.00	54	7	3.07	3.07	27.60	1510	130.3	0.0723	530	671
---	450	481.00	45	7	3.57	2.38	28.50	1485	111.8	0.0642	564	716

