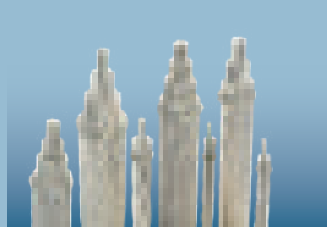


ALL ALUMINUM CONDUCTOR STEEL REINFORCED (ACSR) - IEC 61089 : 1991 - TYPE A1/S1A

Code Name	Nominal Area	Sectional Area (mm ²)	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	6.1	1.7934	76	90
---	25	29.20	6	1	2.30	2.30	6.91	101	9.1	1.1478	100	119
---	40	46.70	6	1	2.91	2.91	8.74	162	14.4	0.7174	132	158
---	63	73.50	6	1	3.66	3.66	11.00	254	21.6	0.4555	173	209
---	100	117.00	6	1	4.61	4.61	13.80	404	34.3	0.2869	227	277
---	125	132.00	18	1	2.97	2.97	14.90	398	29.2	0.2304	275	336
---	125	145.00	26	7	2.47	1.92	15.70	504	45.7	0.2310	277	339
---	160	169.00	18	1	3.36	3.36	16.80	509	36.2	0.1800	317	390
---	160	186.00	26	7	2.80	2.18	17.70	645	57.7	0.1805	320	394
---	200	211.00	18	1	3.76	3.76	18.80	637	44.2	0.1440	361	446
---	200	233.00	26	7	3.13	2.43	19.80	806	70.1	0.1444	363	451
---	250	275.00	22	7	3.80	2.11	21.60	881	68.7	0.1154	412	513
---	250	291.00	26	7	3.50	2.72	22.20	1008	87.7	0.1155	413	516
---	315	337.00	45	7	2.99	1.99	23.90	1040	79.0	0.0917	462	580
---	315	366.00	26	7	3.93	3.05	24.90	1270	106.8	0.0917	471	592
---	400	428.00	45	7	3.36	2.24	26.90	1320	98.4	0.0722	529	668
---	400	452.00	54	7	3.07	3.07	27.60	1510	123.0	0.0723	530	671
---	450	481.00	45	7	3.57	2.38	28.50	1485	107.5	0.0642	564	716





ALL ALUMINUM CONDUCTOR STEEL REINFORCED (ACSR) - IEC 61089 : 1991 - TYPE A1/S1A

Code Name	Nominal Area	Sectional Area (mm ²)	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)						
---	450	508.00	54	7	3.26	3.26	29.30	1699	138.4	0.0643	566	720
---	500	535.00	45	7	3.76	2.51	30.10	1650	119.4	0.0578	598	762
---	500	565.00	54	7	3.43	3.43	30.90	1888	153.8	0.0578	600	766
---	560	599.00	45	7	3.98	2.65	31.80	1848	133.7	0.0516	636	814
---	560	631.00	54	19	3.63	2.18	32.70	2103	172.6	0.0516	638	819
---	630	674.00	45	7	4.22	2.81	33.80	2079	150.5	0.0459	678	872
---	630	710.00	54	19	3.85	2.31	34.70	2366	191.8	0.0459	680	877
---	710	759.00	45	7	4.48	2.99	35.90	2343	169.6	0.0407	722	935
---	710	800.00	54	19	4.09	2.45	36.80	2667	216.1	0.0407	725	941
---	800	835.00	72	7	3.76	2.51	37.60	2480	167.4	0.0361	776	1010
---	800	867.00	84	7	3.48	3.48	38.30	2733	205.3	0.0362	778	1014
---	800	901.00	54	19	4.34	2.61	39.10	3005	243.5	0.0362	771	1007
---	900	939.00	72	7	3.99	2.66	39.90	2790	188.3	0.0321	824	1079
---	900	975.00	84	7	3.69	3.69	40.60	3074	226.5	0.0322	827	1083
---	1000	1043.00	72	7	4.21	2.80	42.10	3100	209.3	0.0289	869	1143
---	1120	1167.00	72	19	4.45	1.78	44.50	3465	234.5	0.0258	917	1215
---	1120	1211.00	84	19	4.12	2.47	45.30	3812	283.2	0.0258	922	1224
---	1250	1352.00	84	19	4.35	2.61	47.90	4254	316.0	0.0232	970	1296
---	1250	1303.00	72	19	4.70	1.88	47.00	3867	261.8	0.0231	966	1288

