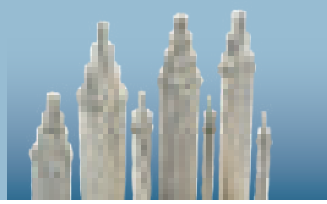
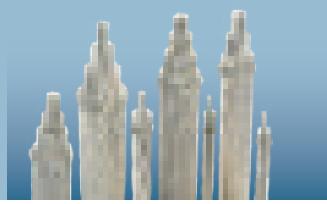


ALL ALUMINUM CONDUCTOR STEEL REINFORCED (ACSR) - IEC 61089 : 1991 - TYPE A1/S3A

Code Name	Nominal Area	Sectional Area	Stranding No. of Wires		Wire diameter		Diameter of Complete Conductor	Conductor Weight	Rated Strength	DC Resistance @ 20°C	Current Capacity	
			AL	Steel	AL	Steel					@ 75°C	@ 85°C
		(mm^2)	(No.)	(No.)	(mm)	(mm)	(mm)	(Kg/km)	KN	(Ω/Km)	(Ampere)	(Ampere)
---	16	18.70	6	1	1.84	1.84	5.53	65	6.8	1.7934	76	90
---	25	29.20	6	1	2.30	2.30	6.91	101	10.3	1.1478	100	119
---	40	46.70	6	1	2.91	2.91	8.74	162	16.2	0.7174	132	158
---	63	73.50	6	1	3.66	3.66	11.00	254	24.2	0.4555	173	209
---	100	117.00	6	1	4.61	4.61	13.80	404	38.3	0.2869	227	277
---	125	132.00	18	1	2.97	2.97	14.90	398	31.0	0.2304	275	336
---	125	145.00	26	7	2.47	1.92	15.70	504	51.4	0.2310	277	339
---	160	169.00	18	1	3.36	3.36	16.80	509	38.7	0.1800	317	390
---	160	186.00	26	7	2.80	2.18	17.70	645	65.0	0.1805	320	394
---	200	211.00	18	1	3.76	3.76	18.80	637	46.9	0.1440	361	446
---	200	233.00	26	7	3.13	2.43	19.80	806	78.9	0.1444	363	451
---	250	275.00	22	7	3.80	2.11	21.60	881	75.6	0.1154	412	513
---	250	291.00	26	7	3.50	2.72	22.20	1008	98.7	0.1155	413	516
---	315	337.00	45	7	2.99	1.99	23.90	1040	85.1	0.0917	462	580
---	315	366.00	26	7	3.93	3.05	24.90	1270	121.2	0.0917	471	592
---	400	428.00	45	7	3.36	2.24	26.90	1320	106.1	0.0722	529	668
---	400	452.00	54	7	3.07	3.07	27.60	1510	137.6	0.0723	530	671
---	450	481.00	45	7	3.57	2.38	28.50	1485	115.9	0.0642	564	716



ALL ALUMINUM CONDUCTOR STEEL REINFORCED (ACSR) - IEC 61089 : 1991 - TYPE A1/S3A

Code Name	Nominal Area	Sectional Area	Stranding No. of Wires		Wire diameter		Diameter of Complete Conductor	Conductor Weight	Rated Strength	DC Resistance @ 20°C	Current Capacity	
			AL	Steel	AL	Steel					@ 75°C	@ 85°C
		(mm^2)	(No.)	(No.)	(mm)	(mm)	(mm)	(Kg/km)	KN	(Ω/Km)	(Ampere)	(Ampere)
---	450	508.00	54	7	3.26	3.26	29.30	1699	154.8	0.0643	566	720
---	500	535.00	45	7	3.76	2.51	30.10	1650	128.7	0.0578	598	762
---	500	565.00	54	7	3.43	3.43	30.90	1888	171.9	0.0578	600	766
---	560	599.00	45	7	3.98	2.65	31.80	1848	144.2	0.0516	636	814
---	560	631.00	54	19	3.63	2.18	32.70	2103	192.5	0.0516	638	819
---	630	674.00	45	7	4.22	2.81	33.80	2079	162.2	0.0459	678	872
---	630	710.00	54	19	3.85	2.31	34.70	2366	213.3	0.0459	680	877
---	710	759.00	45	7	4.48	2.99	35.90	2343	182.8	0.0407	722	935
---	710	800.00	54	19	4.09	2.45	36.80	2667	240.4	0.0407	725	941
---	800	835.00	72	7	3.76	2.51	37.60	2480	176.7	0.0361	776	1010
---	800	867.00	84	7	3.48	3.48	38.30	2733	224.0	0.0362	778	1014
---	800	901.00	54	19	4.34	2.61	39.10	3005	270.9	0.0362	771	1007
---	900	939.00	72	7	3.99	2.66	39.90	2790	198.8	0.0321	824	1079
---	900	975.00	84	7	3.69	3.69	40.60	3074	244.5	0.0322	827	1083
---	1000	1043.00	72	7	4.21	2.80	42.10	3100	220.9	0.0289	869	1143
---	1120	1167.00	72	19	4.45	1.78	44.50	3465	247.8	0.0258	917	1215
---	1120	1211.00	84	19	4.12	2.47	45.30	3812	307.8	0.0258	922	1224
---	1250	1352.00	84	19	4.35	2.61	47.90	4254	343.5	0.0232	970	1296
---	1250	1303.00	72	19	4.70	1.88	47.00	3867	276.5	0.0231	966	1288