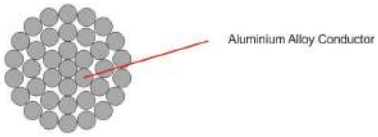
ALL ALUMINIUM ALLOY CONDUCTOR (AAAC)

Construction :



Application :

Used as bare overhead conductor for power transmission lines with various voltage levels, primary, and secondary distribution

Technical Data :

Standard : According to SPLN 41-8: 1981

Special Features Upon Request

Section Area		Number of Wire	Diameter of Wire	Approx. Overall Diameter	Approx. Weight	Max. DC Resistance (20 °C)	Current Carrying Capacity (30 °C)	Min. Rated Strength
Nominal	Actual							
mm²	mm²		mm	mm	kg/km	Ω/km	A	kg
16	17	7	1.75	5.3	46	1,955	100	480
25	28	7	2.25	6.8	76	1,183	135	790
35	34	7	2.50	7.5	94	0,958	155	980
50	49	7	3.00	9.0	135	0,665	195	1410
50	46	19	1.75	8.8	126	0,724	185	1300
55	58	7	3.25	9.8	160	0,567	215	1655
70	76	19	2.25	11.3	208	0,438	255	2150
95	93	19	2.50	12.5	256	0,355	290	2660
100	99	7	4.25	12.8	272	0,332	300	2830
120	113	19	2.75	13.8	310	0,293	325	3220
150	158	19	3.25	16.3	434	0,210	405	4490
150	147	37	2.25	15.8	406	0,225	385	4190
185	182	37	2.5	17.5	501	0,183	440	5175
240	239	19	4	20.0	670	0,137	525	6805
240	243	61	2.25	20.3	657	0,139	525	6910
300	299	61	2.5	22.5	827	0,111	605	8530
400	431	61	3	27	1,191	0,077	760	12290
500	506	61	3.25	29.3	1,398	0,066	835	14420
630	643	91	3	33	1,782	0,052	965	18330
800	755	91	3.25	35.8	2,091	0,044	1,075	21515
1000	1005	91	3.75	41.3	2,784	0,033	1,265	28640