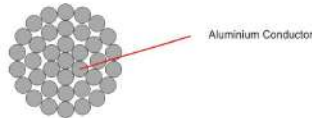


# ALL ALUMINIUM CONDUCTOR (AAC)



**Construction :**



**Application :**

Mainly used in urban areas for electricity transfer. Apart from that, these conductors are also extensively used in coastal area because of their corrosion resistance properties.

**Technical Data :**

Standard : According to SPLN 41-6: 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							
mm <sup>2</sup>	mm <sup>2</sup>		mm	mm	kg/km	Ω/km	A	kg
16	17	7	1.75	5.3	46	1.700	150	310
25	28	7	2.25	6.8	76	1.029	145	490
35	34	7	2.50	7.5	94	0.8332	165	590
50	49	7	3.00	9.0	135	0.5786	205	810
50	46	19	1.75	8.8	126	0.6295	195	835
55	58	7	3.25	9.8	159	0.4930	230	935
70	76	19	2.25	11.3	208	0.3808	270	1,040
95	93	19	2.50	12.5	257	0.3084	305	1,560
100	99	7	4.25	12.8	272	0.2883	320	1,540
120	113	19	2.75	13.8	310	0.2549	345	1,890
150	158	19	3.25	16.3	434	0.1825	430	2,530
150	147	37	2.25	15.8	406	0.1960	410	2,575
185	182	37	2.50	17.5	501	0.1587	470	3,110
200	210	19	3.75	18.8	577	0.1371	510	3,290
240	239	19	4.00	20	657	0.1205	555	3,700
240	243	61	2.25	20.3	670	0.1191	560	4,020
300	299	61	2.50	22.5	827	0.0965	640	4,850
400	431	61	3.00	27	1,191	0.067	805	6,675
500	506	61	3.25	29.3	1,398	0.0571	890	7,700
630	643	91	3.00	33	1,782	0.0450	1,030	9,960
800	755	91	3.25	35.8	2,091	0.0384	1,135	11,480
1,000	1005	91	3.75	41.3	2,784	0.0288	1,345	14,925

AAC