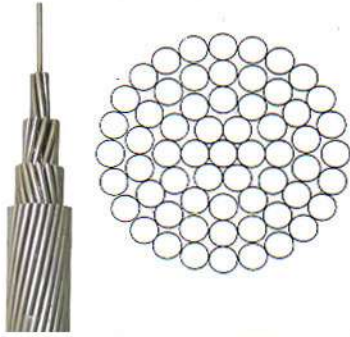


ALL ALUMINIUM ALLOY CONDUCTOR

AAAC



SPECIFICATION : SPLN 41-8

CONSTRUCTION & CHARACTERISTICS

Conductor Size	Number / Diameter of Wire	Calculated Sectional Area	Approx. Overall Diameter	Approx. Weight of Conductor	Maximum DC Resistance at 20°C	Maximum Current Carrying Capacity *	Calculated Breaking Load	Standard Length per Drum
mm ²	n / mm	mm ²	mm	kg/km	ohm/km	A	kg	m
16	7 / 1.75	16.8	5.3	46	1.955	105	480	10,700
25	7 / 2.25	27.8	6.8	77	1.183	135	790	6,500
35	7 / 2.50	34.4	7.5	95	0.958	170	980	5,300
50	7 / 3.00	49.5	9.0	137	0.665	210	1,410	3,700
50	19 / 1.75	45.7	8.8	126	0.724	205	1,300	4,000
55	7 / 3.25	58.1	9.8	160	0.567	235	1,655	3,100
70	19 / 2.25	75.5	11.3	209	0.438	255	2,150	2,400
95	19 / 2.50	93.3	12.5	258	0.355	320	2,660	2,000
100	7 / 4.25	99.3	12.8	275	0.332	335	2,830	1,800
120	19 / 2.75	112.9	13.8	313	0.293	365	3,220	1,600
150	37 / 2.25	147.1	15.8	407	0.225	425	4,190	1,250
150	19 / 3.25	157.6	16.3	437	0.210	425	4,490	1,250
185	37 / 2.50	181.6	17.5	503	0.183	490	5,175	1,000
240	61 / 2.25	242.5	20.3	672	0.139	585	6,910	1,000
240	19 / 4.00	238.8	20.0	662	0.137	585	6,805	1,000
300	61 / 2.50	299.4	22.5	829	0.111	670	8,530	1,000
400	61 / 3.00	431.2	27.0	1,194	0.077	810	12,290	1,000
500	61 / 3.25	506.0	29.3	1,402	0.066	930	14,420	1,000
630	91 / 3.00	643.2	33.0	1,787	0.052	1075	18,330	500
800	91 / 3.25	754.9	35.8	2,097	0.044	1255	21,515	500
1,000	91 / 3.75	1005.1	41.3	2,792	0.033	1450	28,640	500

Note : * Ambient temperature

* Wind velocity

* Continuous operating temperature of conductor

: 35 °C

: 0.5 m/sec.

: 90 °C