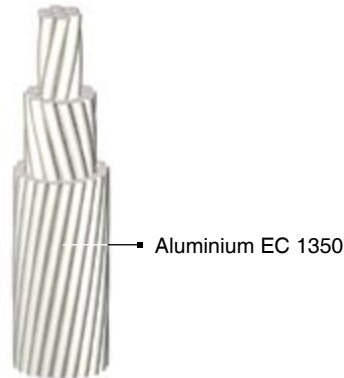


AAC EC 1350

All Aluminium Conductor EC 1350

Standard Specification : SPLN 41-6 : 1981



Technical Properties

Size	Number / Dia. of Wire	Calculated Cross Sect. Area	Approx. Overall Diameter	Approx. Weight	Calculated Breaking Load	DC Resistance at 20° C Max.	Current Carrying Capacity *	Standard Length per Reel
mm ²	No. / mm	mm ²	mm	kg/km	kN	Ohm/km	A	m
16	7 / 1.75	16.8	5.25	46	3.0	1.700	109	2,000
25	7 / 2.25	27.8	6.75	76	4.8	1.029	149	2,000
35	7 / 2.50	34.4	7.50	94	5.8	0.8332	171	2,000
50	7 / 3.00	49.5	9.00	135	7.9	0.5786	215	2,000
50	19 / 1.75	45.7	8.75	126	8.2	0.6295	205	2,000
55	7 / 3.25	58.1	9.75	159	9.2	0.4930	238	2,000
70	19 / 2.25	75.5	11.25	208	10.2	0.3808	282	2,000
95	19 / 2.50	93.3	12.50	256	15.3	0.3084	616	2,000
100	7 / 4.25	99.3	12.75	272	15.1	0.2883	336	2,000
120	19 / 2.75	112.9	13.75	310	18.5	0.2549	365	2,000
150	19 / 3.25	157.6	16.25	433	24.8	0.1825	452	2,000
150	37 / 2.25	147.1	15.75	405	25.3	0.1960	432	2,000
185	37 / 2.50	181.6	17.50	500	30.5	0.1587	495	2,000
200	19 / 3.75	209.8	18.75	577	32.3	0.1371	543	2,000
240	61 / 2.25	242.5	20.25	669	39.4	0.1191	595	2,000
240	19 / 4.00	238.8	20.00	656	36.3	0.1205	590	2,000
300	61 / 2.50	299.4	22.50	826	47.6	0.0965	681	2,000
400	61 / 3.00	431.2	27.00	1,190	65.5	0.0670	859	2,000
500	61 / 3.25	506.0	29.25	1,397	75.5	0.0571	950	2,000
630	91 / 3.00	643.2	33.00	1,780	97.7	0.0450	1,102	2,000
800	91 / 3.25	754.9	35.75	2,089	112.6	0.0384	1,214	2,000
1000	91 / 3.75	1005.1	41.25	2,781	146.4	0.0288	1,439	1,000

* Note : Ambient temperature : 35° C Continuous operating temperature of conductor : 80° C
 wind velocity : 0.5 m/sec Conductivity of Al : 61% IACS