

AAC EC 1350

All Aluminium Conductor EC 1350

Standard Specification : JIS C 3109 : 1994



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
55	7 / 3.2	56.3	9.60	154	8.21	0.507	234	2,000
95	7 / 4.2	97.0	12.60	265	13.9	0.295	331	2,000
150	19 / 3.2	152.8	16.00	419	22.3	0.188	443	2,000
200	19 / 3.7	204.3	18.50	560	29.8	0.140	535	2,000
240	19 / 4.0	238.8	20.00	654	34.2	0.120	591	2,000
300	37 / 3.2	297.6	22.40	820	43.4	0.0969	679	2,000
400	37 / 3.7	397.8	25.90	1,097	58.0	0.0726	816	2,000
510	37 / 4.2	512.6	29.40	1,413	73.3	0.0563	958	2,000
660	61 / 3.7	655.9	33.30	1,812	95.6	0.0441	1,115	2,000
850	61 / 4.2	845.1	37.80	2,334	120.9	0.0342	1,301	2,000
980	91 / 3.7	978.4	40.70	2,716	142.7	0.0297	1,415	1,000
1000	91 / 4.2	1260.8	46.20	3,499	180.3	0.0230	1,635	1,000

* Note : Ambient temperature : 35°C
 wind velocity : 0.6 m/sec
 Continuous operating temperature of conductor : 80°C
 Conductivity of Al : 61% IACS