

AAC EC 1350

All Aluminium Conductor EC 1350

Standard Specification : BS 215 Part 1 : 1970



Aluminium EC 1350

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
22	7 / 2.06	23.3	6.18	64	3.99	1.227	134	2,000
50	7 / 3.10	52.8	9.30	145	8.28	0.5419	224	2,000
60	7 / 3.40	63.6	10.20	174	9.90	0.4505	253	2,000
100	7 / 4.39	106.0	13.17	290	16.00	0.2702	350	2,000
150	19 / 3.25	157.6	16.25	433	25.70	0.1825	452	2,000
200	19 / 3.78	213.2	18.90	586	32.40	0.1349	549	2,000
250	19 / 4.22	265.7	21.10	730	40.40	0.1083	631	2,000
300	19 / 4.65	322.7	23.25	887	78.78	0.08916	715	2,000
400	37 / 3.78	415.2	26.46	1,144	63.10	0.06944	839	2,000

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