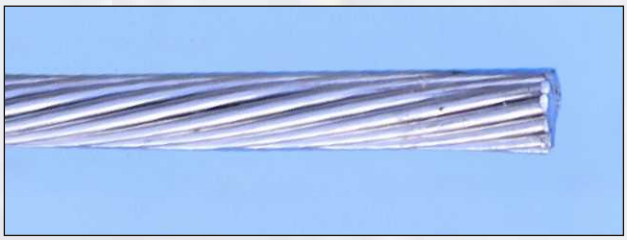
-the nation's live wire-

BARE ALUMINIUM STRANDED CONDUCTORS (AAC)



Specification: BS 215, Part 1
Construction: seven or more same-diameter aluminium wires twisted together in concentric layers
Application: overhead power trasmission

Nominal cross-sectional area mm^2	Number and nominal diameter of wires mm	Approximate diameter of conductor mm	Calculated DC resistance per km at 20°C ohm	Calculated breaking load kN	Approximate mass per km kg	Standard unit length m
22	7/2.06	6.18	1.227	3.99	64	2,000
35	7/2.50	7.50	0.8332	5.69	93	2,000
50	7/3.10	9.30	0.5419	8.28	145	2,500
60	7/3.4	10.20	0.4505	9.90	175	2,000
70	7/3.66	10.98	0.3865	17.65	202	5,000
70	19/2.10	10.50	0.4371	11.85	181	2,500
100	7/4.39	13.17	0.2702	16.00	290	5,000
100	19/2.67	13.35	0.2704	17.62	293	3,000
150	19/3.25	16.25	0.1825	25.70	434	2,000
200	19/3.78	18.90	0.1349	32.40	587	2,000
250	19/4.22	21.10	0.1083	40.40	731	2,000
300	19/4.65	23.25	0.08916	48.75	888	2,000
400	37/3.78	26.46	0.06944	63.10	1,145	2,000

AAC: All-Aluminium Conductors