

AAAC 6201

All Aluminium Alloy Conductor 6201

Standard Specification : BS 3242 : 1970



Aluminium Alloy 6201

Technical Data

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
25	7 / 2.34	30.1	7.02	82	8.4	1.094	146	2,000
30	7 / 2.54	35.5	7.62	97	9.9	0.9281	162	2,000
40	7 / 2.95	47.8	8.85	131	13.4	0.6880	197	2,000
50	7 / 3.30	59.9	9.90	164	16.8	0.5498	227	2,000
100	7 / 4.65	118.9	13.95	325	33.3	0.2769	352	2,000
150	19 / 3.48	180.7	17.40	497	50.7	0.1830	460	2,000
175	19 / 3.76	211.0	18.80	580	59.1	0.1568	508	2,000
300	37 / 3.53	362.1	24.71	997	101.5	0.09155	718	2,000

*Note : Ambient temperature : 35° C Continuous operating temperature of conductor : 80° C
wind velocity : 0.5 m/sec Conductivity of Al : 52.5% IACS