

AAAC 6201 Type A2

All Aluminium Alloy Conductor 6201 Type A2

Standard Specification : IEC 61089 : 1991



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
16	7 / 1.83	18.4	5.49	50	5.43	1.7896	105	2,000
25	7 / 2.29	28.8	6.87	79	8.49	1.1453	139	2,000
40	7 / 2.89	45.9	8.67	126	13.58	0.7158	188	2,000
63	7 / 3.63	72.4	10.89	198	21.39	0.4545	251	2,000
100	19 / 2.78	115.3	13.90	317	33.95	0.2877	338	2,000
125	19 / 3.10	143.4	15.50	394	42.44	0.2302	389	2,000
160	19 / 3.51	183.8	17.55	505	54.32	0.1798	456	2,000
200	19 / 3.93	230.5	19.65	633	67.91	0.1439	526	2,000
250	19 / 4.39	287.6	21.95	790	84.88	0.1151	607	2,000
315	37 / 3.53	362.1	24.71	997	106.95	0.0916	703	2,000
400	37 / 3.98	460.3	27.86	1,268	135.81	0.0721	819	2,000
450	37 / 4.22	517.5	29.54	1,425	152.79	0.0641	883	2,000
500	37 / 4.45	575.5	31.15	1,585	169.76	0.0577	943	2,000
560	61 / 3.67	645.3	33.03	2,664	190.14	0.0515	1,012	1,000
630	61 / 3.89	725.0	35.01	2,993	213.90	0.0458	1,089	1,000
710	61 / 4.13	817.2	37.17	3,373	241.07	0.0407	1,171	1,000
800	61 / 4.38	919.1	39.42	3,794	271.62	0.0361	1,259	1,000
900	91 / 3.81	1037.5	41.91	2,871	305.58	0.0321	1,350	1,000
1000	91 / 4.01	1149.3	44.11	3,180	339.53	0.0289	1,436	1,000
1120	91 / 4.25	1290.9	46.75	3,572	380.27	0.0258	1,532	1,000
1250	91 / 4.49	1440.9	49.39	3,987	424.41	0.0231	1,629	1,000

*Note : Ambient temperature : 35° C Continuous operating temperature of conductor : 80° C
 wind velocity : 0.5 m/sec Conductivity of Al : 53% IACS