

AAAC 6201 Type A3

All Aluminium Alloy Conductor 6201 Type A3

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 / 1.84	18.6	5.52	51	6.04	1.7896	105	2,000
25	7 / 2.30	29.1	6.90	80	9.44	1.1453	139	2,000
40	7 / 2.91	46.6	8.73	127	15.10	0.7158	188	2,000
63	7 / 3.65	73.2	10.95	200	23.06	0.4545	251	2,000
100	19 / 2.79	116.2	13.95	319	37.76	0.2877	338	2,000
125	19 / 3.12	145.3	15.60	399	47.20	0.2302	389	2,000
160	19 / 3.53	185.9	17.65	511	58.56	0.1798	456	2,000
200	19 / 3.95	232.8	19.75	640	73.20	0.1439	526	2,000
250	19 / 4.41	290.2	22.05	798	91.50	0.1151	607	2,000
315	37 / 3.55	366.2	24.85	1,009	115.29	0.0916	703	2,000
400	37 / 4.00	465.0	28.00	1,280	146.40	0.0721	819	2,000
450	37 / 4.24	522.4	29.68	1,439	164.70	0.0641	883	2,000
500	37 / 4.47	580.6	31.29	1,599	183.00	0.0577	943	2,000
560	61 / 3.69	652.3	33.21	2,693	204.96	0.0515	1,012	1,000
630	61 / 3.91	732.4	35.19	3,023	230.58	0.0458	1,089	1,000
710	61 / 4.15	825.1	37.35	3,406	259.86	0.0407	1,171	1,000
800	61 / 4.40	927.5	39.60	3,829	292.80	0.0361	1,259	1,000
900	91 / 3.83	1048.4	42.13	2,901	329.40	0.0321	1,350	1,000
1000	91 / 4.03	1160.8	44.33	3,212	366.00	0.0289	1,436	1,000
1120	91 / 4.27	1303.1	46.97	3,606	409.92	0.0258	1,532	1,000

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