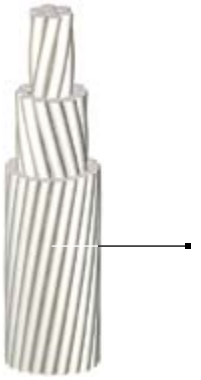
AAAC 6201-T81

All Aluminium Alloy Conductor 6201-T81

Standard Specification : ASTM B 399 : 2004



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
mm²	No. / mm	mm²	mm	kg/km	kN	Ohm/km	A	m
16	7 / 1.71	16.1	5.13	44	5.09	2.0837	98	2,000
20	7 / 1.91	20.1	5.73	55	6.35	1.6702	112	2,000
25	7 / 2.13	24.9	6.39	69	7.90	1.3430	129	2,000
31.5	7 / 2.39	31.4	7.17	86	9.95	1.0667	149	2,000
40	7 / 2.70	40.1	8.10	110	12.7	0.83580	174	2,000
50	7 / 3.02	50.1	9.06	138	15.9	0.66806	201	2,000
63	7 / 3.39	63.2	10.17	174	19.1	0.53019	233	2,000
80	7 / 3.81	79.8	11.43	220	24.1	0.41974	270	2,000
100	7 / 4.26	99.8	12.78	275	30.2	0.33574	311	2,000
112	7 / 4.51	111.8	13.53	308	33.8	0.29955	335	2,000
125	19 / 2.89	124.6	14.45	343	38.3	0.26877	360	2,000
140	19 / 3.06	139.7	15.30	385	42.9	0.23973	388	2,000
160	19 / 3.27	159.6	16.35	439	46.7	0.20993	422	2,000
180	19 / 3.47	179.7	17.35	495	52.6	0.18643	456	2,000
200	19 / 3.66	199.9	18.30	551	58.6	0.16758	488	2,000
224	19 / 3.87	223.5	19.35	616	65.5	0.14999	524	2,000
250	19 / 4.09	249.6	20.45	687	73.1	0.13419	563	2,000
280	37 / 3.10	279.3	21.70	769	83.9	0.11995	605	2,000
315	37 / 3.29	314.5	23.03	866	90.2	0.10650	653	2,000
355	37 / 3.50	356.0	24.50	980	102	0.09410	707	2,000
400	37 / 3.71	400.0	25.97	1,102	115	0.08375	761	2,000
450	37 / 3.94	451.1	27.58	1,242	129	0.07426	822	2,000
500	37 / 4.15	500.5	29.05	1,378	143	0.06693	878	2,000
560	37 / 4.39	560.0	30.73	1,542	161	0.05981	943	2,000
630	37 / 4.66	631.0	32.62	1,738	181	0.05308	1,016	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

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