

Aluminum Cable Alloy 6201

CAL / AAAC

NBR 10298

Conductor

Formed of bare aluminum wire, alloy 6201, temper T81, stranding class 2, normal round.
Greased cable option

Implementation

Employees on overhead lines for power transmission and distribution.

Applicable Standards

NBR 10298 - Bare aluminum-magnesium-silicon alloy cables for overhead lines - Specification

NBR 5285 - Aluminum-magnesium-silicon alloy wire, T81 temper, bare, circular section, for electrical purposes.

Construction Data*

Code Cable	Section (AWG/MCM)	Section (mm ²)	Formation (n° x mm)	Nominal Diameter (mm)	Approx mass (kg/km)	Capacity Current Conduction (A)**	Electrical Resistance (Ω/km)	RMC (kN)	Standard Packaging		
									Approx mass (m)	Lance Aprox.(m)	Coil Type
AKRON	31	15,52	7 x 1,68	5,04	42,3	120	2,1588	4,93	230	5435	80/45
ALTON	49	24,71	7 x 2,12	6,36	67,4	161	1,3557	7,85	230	3410	80/45
AMES	77	39,19	7 x 2,67	8,01	106,9	215	0,8547	12,45	230	2150	80/45
AZUZA	123	62,44	7 x 3,37	10,11	170,2	288	0,5365	19,00	460	2700	100/60
ANAHEIM	155	78,55	7 x 3,78	11,34	214,1	333	0,4264	23,91	460	2145	100/60
AMHERST	196	99,30	7 x 4,25	12,75	270,6	384	0,3373	30,22	460	1695	100/60
ALLIANCE	247	125,09	7 x 4,77	14,31	340,9	445	0,2678	38,07	460	1345	100/60
BUTTE	313	158,59	19 x 3,26	16,30	434,2	517	0,2112	46,75	460	1055	100/60
CANTON	395	199,90	19 x 3,66	18,30	547,5	599	0,1676	58,93	830	1515	125/70
CAIRO	467	236,38	19 x 3,98	19,90	647,3	664	0,1417	69,69	830	1280	125/70
DARIEN	559,8	283,67	19 x 4,36	21,80	776,6	744	0,1181	83,63	830	1065	125/70
ELGIN	653,3	331,04	19 x 4,71	23,55	906,3	819	0,1012	97,59	1500	1655	150/80
FLINT	739,1	374,52	37 x 3,59	25,13	1027,2	887	0,0894	108,00	1500	1460	150/80
GREELEY	926,8	469,62	37 x 4,02	28,14	1288,2	1018	0,0713	135,50	1500	1160	150/80

*Data subject to change without notice ** Ambient temperature 25 °C - Conductor temperature de 75 °C

Normal formations

Section (AWG/MCM)	Section (mm ²)	Formation (n° x mm)	Nominal Diameter (mm)	Approx mass (kg/km)	Capacity Current Conduction (A)**	Electrical Resistance (Ω/km)	RMC (kN)	Standard Packaging		
								Approx mass (m)	Approx. throw (m)	Coil Type
4	21,12	7 x 1,96	5,88	57,6	146	1,5860	6,71	230	3990	80/45
63,4	33,54	7 x 2,47	7,41	91,4	195	0,9987	10,66	230	2515	80/45
105,6	53,52	7 x 3,12	9,36	145,9	261	0,6259	17,01	230	1575	80/45
133,1	67,35	7 x 3,50	10,50	183,6	302	0,4974	20,50	460	2505	100/60
167,8	84,91	7 x 3,93	11,79	231,5	349	0,3945	25,84	460	1985	100/60
211,6	107,41	7 x 4,42	13,26	292,8	404	0,3119	32,69	460	1570	100/60
250,0	126,37	19 x 2,91	14,55	346,2	449	0,2651	38,90	460	1325	100/60
300,0	151,85	19 x 3,19	15,95	415,8	504	0,2206	46,75	460	1105	100/60
350,0	177,62	19 x 3,45	17,25	486,4	555	0,1886	52,36	830	1705	125/70
400,0	203,19	19 x 3,69	18,45	556,4	603	0,1649	59,90	830	1490	125/70
450,0	228,14	19 x 3,91	19,55	624,9	649	0,1468	67,26	830	1325	125/70
500,0	253,30	19 x 4,12	20,60	693,5	693	0,1322	74,68	830	1195	125/70
550,0	279,26	37 x 3,10	21,70	766,1	737	0,1200	84,12	830	1080	125/70
600,0	303,18	37 x 3,23	22,61	831,6	777	0,1105	91,32	1500	1800	150/80
650,0	330,03	37 x 3,37	23,59	905,3	817	0,1015	95,20	1500	1655	150/80
700,0	353,95	37 x 3,49	24,43	970,9	856	0,0946	102,10	1500	1545	150/80
750,0	380,81	37 x 3,62	25,34	1044,8	893	0,0880	109,90	1500	1435	150/80
800,0	404,31	37 x 3,73	26,11	1109,0	931	0,0829	116,60	1500	1350	150/80
900,0	455,70	37 x 3,96	27,72	1250,0	1000	0,0735	131,50	1500	1200	150/80
1000,0	507,74	37 x 4,18	29,26	1392,5	1067	0,0660	146,50	1500	1075	150/80

*Data subject to change without prior notice ** Ambient temperature 25 °C - Conductor temperature 75 °C

Examples of Stringing:

