

# AAAC— ALL ALUMINUM ALLOY (6201) CONDUCTOR

## Description

Aluminum alloy 6201 wires, concentrically stranded

## Application

Used as bare overhead conductor for primary and secondary distribution. Design utilizes a high strength aluminum alloy to achieve a high strength to weight ratio. Affords better sag characteristics. Aluminum alloy gives AAAC (6201) higher resistance to corrosion than ACSR.

## Specifications

ASTM B-398 Aluminum-Alloy 6201-T81 wire for electrical purposes  
 ASTM B-399 Concentric-lay-stranded 6201-T81 aluminum alloy conductors



ALUMINUM

Code Word	Size (kcmil)	Stranding	Diameter (ins.)		Weight Per 1000 ft. (lbs.)	Rated Strength (lbs.)	Resistance OHMS/1000 ft.		Allowable Ampacity+ (Amps)	ACSR With Equivalent Diameter	
			Individual Wires	Complete Cable			DC @ 20°C	AC @ 75°C		Size	Stranding (Al/Stl)
Akron	30.58	7	.0661	.1980	28.5	1110	.659	.785	107	6	6/1
Alton	48.69	7	.0834	.2500	45.4	1760	.414	.493	143	4	6/1
Ames	77.47	7	.1052	.3160	72.2	2800	.260	.310	191	2	6/1
Azusa	123.3	7	.1327	.3980	115.0	4460	.163	.195	256	1/0	6/1
Anaheim	155.4	7	.1490	.4470	144.9	5390	.130	.154	296	2/0	6/1
Amherst	195.7	7	.1672	.5020	182.5	6790	.103	.123	342	3/0	6/1
Alliance	246.9	7	.1878	.5630	230.2	8560	.0816	.0973	395	4/0	6/1
Butte	312.8	19	.1283	.6420	291.7	11000	.0644	.0769	460	266.8	26/7
Canton	394.5	19	.1441	.7200	367.9	13300	.0511	.0610	532	336.4	26/7
Cairo	465.4	19	.1565	.7830	434.0	15600	.0433	.0518	590	397.5	26/7
Darien	559.5	19	.1716	.8580	521.7	18800	.0360	.0431	663	477.0	26/7
Elgin	652.4	19	.1853	.9270	608.4	21900	.0309	.0371	729	556.5	26/7
Flint	740.8	37	.1415	.9900	690.8	24400	.0272	.0327	790	636.0	26/7
Greeley	927.2	37	.1583	1.1080	864.6	30500	.217	.0263	908	795.0	26/7

Manufactured with pride in DeKalb, IL, USA

+ Ampacity based on 75°C conductor temperature, 25°C ambient temperature, 2ft./sec. wind in sun, emmissivity 0.5, 52.5% conductivity