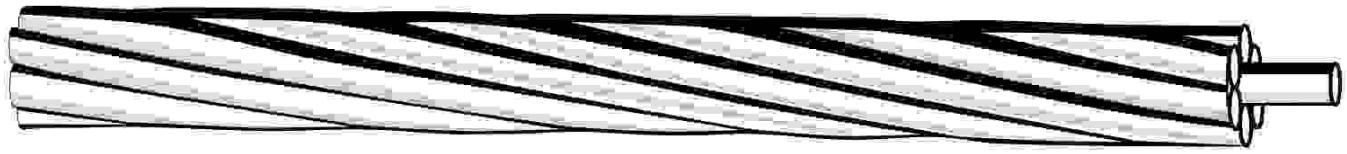
AAAC-6201

All Aluminum-Alloy Conductor. Bare.



APPLICATIONS

Used as bare overhead conductor for primary and secondary distribution. Designed utilizing a high-strength aluminum-alloy to achieve a high strength-to-weight ratio; affords good sag characteristics. Aluminum-alloy gives 6201-T81 gives AAAC higher resistance to corrosion than ACSR.

SPECIFICATIONS

Southwire's AAAC-6201-T81 bare conductor meets or exceeds the following ASTM specifications:

- B398 Aluminum-Alloy 6201-T81 Wire for Electrical Purposes.
- B399 Concentric-Lay-Stranded Aluminum-Alloy 6201-T81 Conductors.

CONSTRUCTION

Aluminum-alloy 6201-T81 wires, concentrically stranded.

Southwire
One Southwire Drive
Carrollton, Ga. 30119 USA

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Code Word	Size (kcmil)	Strand-ing	Diameter (ins.)		Cross-Sectional Area (Sq. ins.)	Weight Per 1000 ft. (lbs.)	Rated Strength (lbs.)	Resistance OHMS/1000 ft.		Allowable Ampacity+ (Amps)	ACSR With Equiv. Diam.		Approx. EC Cond. With Equivalent Resistance
			Individual Wires	Complete Cables				DC @ 20°C	AC @ 75°C		Size	Stranding (AL/STL)	
Akron	30.58	7	0.0661	0.198	0.0240	28.5	1110	.659	.785	107	6	6/1	6
Alton	48.69	7	0.0834	0.250	0.0382	45.4	1760	.414	.493	143	4	6/1	4
Ames	77.47	7	0.1052	0.316	0.0608	72.2	2800	.260	.310	191	2	6/1	2
Azusa	123.3	7	0.1327	0.398	0.0968	115.0	4280	.163	.195	256	1/0	6/1	1/0
Anaheim	155.4	7	0.1490	0.447	0.1221	144.9	5390	.130	.154	296	2/0	6/1	2/0
Amherst	195.7	7	0.1672	0.502	0.1537	182.5	6790	.103	.123	342	3/0	6/1	3/0
Alliance	246.9	7	0.1878	0.563	0.1939	230.2	8560	.0816	.0973	395	4/0	6/1	4/0
Butte	312.8	19	0.1283	0.642	0.2456	291.7	10500	.0644	.0769	460	266.8	26/7	266.8
Canton	394.5	19	0.1441	0.721	0.3099	367.9	13300	.0511	.0610	532	336.4	26/7	336.4
Cairo	465.4	19	0.1565	0.783	0.3655	434.0	15600	.0433	.0518	590	397.5	26/7	397.5
Darien	559.5	19	0.1716	0.858	0.4394	521.7	18800	.0360	.0431	663	477.0	26/7	477.0
Elgin	652.4	19	0.1853	0.927	0.5124	608.4	21900	.0309	.0371	729	556.5	26/7	556.5
Flint	740.8	37	0.1415	0.991	0.5818	690.8	24400	.0272	.0327	790	636.0	26/7	636.0
Greeley	927.2	37	0.1583	1.108	0.7282	864.6	30500	.0217	.0263	908	795.0	26/7	795.0

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

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