



AAAC - All Aluminum Alloy (6201) Conductor

Product 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.

Product Data

| Code Word | Size (KCMIL) | Stranding | Diameter (ins.) | | Weight Per 1000 Feet (lbs.) | Rated Strength (lbs.) | Resistance OHMS/1000ft. | | 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 |

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

*Manufactured with pride in DeKalb, IL USA.

Specification Data

ASTM B-398 Aluminum Alloy 6201-T81 wire for electrical purposes

ASTM B-399 Concentric-lay-stranded 6201-T81 Aluminum Alloy conductors

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