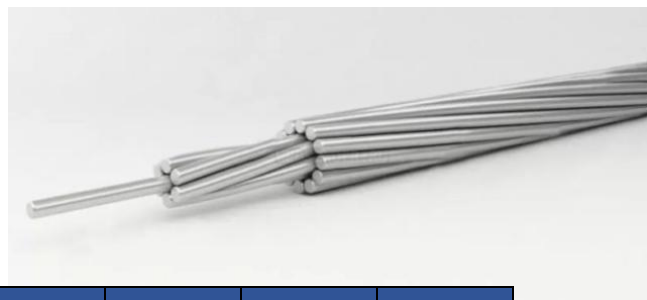




S.M.C

All Aluminum Alloy Conductors (AAAC)
 Conductors for Overhead Lines All Aluminum Alloy
 Conductors (AAAC)



| Nominal Area of Conductor or | No. and Nominal Diameter of Wires | Approx. Overall Diameter | Calculated D.C Resistance at 20°C(Max.) | Approx. Weight of Conductor | Breaking Load | Standard Packing Length | Drum size | Approx. Gross weight |
|------------------------------|-----------------------------------|--------------------------|--|-----------------------------|---------------|-------------------------|-----------|----------------------|
| Sqmm | No./mm | mm | Ohm/km | Kg/Km | KN | Meter ± 10% | | KG |
| 18.8 | 7/1.85 | 5.55 | 1.7480 | 51.4 | 5.55 | 2000 | D-6 | 148 |
| 23.8 | 7/2.08 | 6.24 | 1.3828 | 64.9 | 7.02 | 2000 | D-7 | 175 |
| 30.1 | 7/2.34 | 7.02 | 1.0926 | 82.2 | 8.88 | 2000 | D-8 | 214 |
| 35.5 | 7/2.54 | 7.62 | 0.9273 | 96.8 | 10.46 | 2000 | D-8 | 244 |
| 42.2 | 7/2.77 | 8.31 | 0.7797 | 151.2 | 12.44 | 2000 | D-9 | 290 |
| 47.8 | 7/2.95 | 8.85 | 0.6875 | 130.6 | 14.11 | 2000 | D-9 | 321 |
| 59.9 | 7/3.30 | 9.90 | 0.5494 | 163.4 | 17.66 | 2000 | D-9 | 387 |
| 71.6 | 7/3.61 | 10.80 | 0.4591 | 195.6 | 21.14 | 2000 | D-10 | 451 |
| 84.1 | 7/3.91 | 11.70 | 0.3913 | 229.5 | 24.79 | 2000 | D-11 | 559 |
| 89.7 | 7/4.04 | 12.10 | 0.3665 | 245.0 | 26.47 | 2000 | D-11 | 590 |
| 118.9 | 7/4.65 | 14.00 | 0.2767 | 324.5 | 35.07 | 2000 | D-12 | 759 |
| 150.9 | 19/3.18 | 15.90 | 0.2192 | 414.3 | 44.52 | 2000 | D-14 | 979 |
| 180.7 | 19/3.48 | 17.40 | 0.1830 | 496.1 | 53.31 | 2000 | D-14 | 1142 |
| 211 | 19/3.76 | 18.80 | 0.1568 | 579.2 | 62.24 | 2000 | D-16 | 1368 |
| 239.4 | 37/2.87 | 20.10 | 0.1387 | 659.4 | 70.61 | 2000 | D-18 | 1559 |
| 303.2 | 37/3.23 | 22.60 | 0.1095 | 835.2 | 89.40 | 2000 | D-18 | 1910 |
| 362.1 | 37/3.53 | 24.70 | 0.0917 | 997.5 | 106.82 | 2000 | D-18 | 2235 |
| 479 | 37/4.06 | 28.40 | 0.0693 | 1319.6 | 141.31 | 2000 | D-21 | 3059 |
| 798.1 | 37/4.14 | 29.00 | 0.0666 | 1372.1 | 146.93 | 2000 | D-21 | 3164 |
| 586.9 | 61/3.50 | 31.50 | 0.0567 | 1622.0 | 173.13 | 2000 | D-22 | 3714 |
| 659.4 | 61/3.71 | 33.40 | 0.0505 | 1822.5 | 194.53 | 2000 | D-23 | 4145 |
| 821.1 | 61/4.14 | 37.30 | 0.0406 | 2269.4 | 242.24 | 2000 | D-23 | 5093 |
| 996.2 | 61/4.56 | 41.00 | 0.0334 | 2753.2 | 293.88 | 2000 | D-23 | 6006 |