



ALL ALUMINUM CONDUCTOR (AAC) - IEC 61089

| Nominal Area | Sectional Area | Stranding | | Diameter of Complete Conductor | Conductor Weight | Rated Strength | DC Resistance @ 20°C | Current Capacity | |
|--------------------|--------------------|--------------|--------------------------|--------------------------------|------------------|----------------|----------------------|------------------|----------|
| | | No. of Wires | Individual wire diameter | | | | | @ 75°C | @ 85°C |
| (mm ²) | (mm ²) | (No.) | (mm) | (mm) | (Kg/km) | KN | (Ω/Km) | (Ampere) | (Ampere) |
| 10 | 10.02 | 7 | 1.35 | 4.05 | 27.4 | 1.95 | 2.8633 | 61 | 72 |
| 16 | 16.08 | 7 | 1.71 | 5.12 | 43.8 | 3.04 | 1.7896 | 81 | 95 |
| 25 | 24.94 | 7 | 2.13 | 6.4 | 68.4 | 4.5 | 1.1453 | 106 | 125 |
| 40 | 40.08 | 7 | 2.70 | 8.09 | 109.4 | 6.8 | 0.7158 | 140 | 167 |
| 63 | 63.18 | 7 | 3.39 | 10.2 | 172.3 | 10.39 | 0.4545 | 183 | 221 |
| 100 | 100.1 | 19 | 2.59 | 12.9 | 274.8 | 17 | 0.2877 | 240 | 292 |
| 125 | 124.64 | 19 | 2.89 | 14.5 | 343.6 | 21.25 | 0.2302 | 274 | 335 |
| 160 | 159.57 | 19 | 3.27 | 16.4 | 439.8 | 26.4 | 0.1798 | 317 | 389 |
| 200 | 199.9 | 19 | 3.66 | 18.3 | 549.7 | 32 | 0.1439 | 360 | 444 |
| 250 | 249.63 | 19 | 4.09 | 20.5 | 687.1 | 40 | 0.1151 | 409 | 508 |
| 315 | 314.55 | 37 | 3.29 | 23 | 867.9 | 51.97 | 0.0916 | 466 | 583 |
| 400 | 399.98 | 37 | 3.71 | 26 | 1102.0 | 64 | 0.0721 | 533 | 672 |
| 450 | 451.11 | 37 | 3.94 | 27.5 | 1239.8 | 72 | 0.0641 | 569 | 720 |
| 500 | 500.48 | 37 | 4.15 | 29 | 1377.6 | 80 | 0.0577 | 603 | 766 |
| 560 | 560.04 | 37 | 4.39 | 30.7 | 1542.9 | 89.6 | 0.0515 | 641 | 819 |
| 630 | 631.3 | 61 | 3.63 | 32.6 | 1738.3 | 100.8 | 0.0458 | 683 | 876 |
| 710 | 710.14 | 61 | 3.85 | 34.6 | 1959.1 | 113.6 | 0.0407 | 726 | 938 |
| 800 | 801.43 | 61 | 4.09 | 36.8 | 2207.4 | 128 | 0.0361 | 773 | 1003 |
| 900 | 898.25 | 61 | 4.33 | 39 | 2483.3 | 144 | 0.0321 | 820 | 1071 |
| 1000 | 1000.58 | 61 | 4.57 | 41.1 | 2759.2 | 160 | 0.0289 | 863 | 1134 |
| 1120 | 1120.79 | 91 | 3.96 | 43.5 | 3093.5 | 179.2 | 0.0258 | 911 | 1204 |
| 1250 | 1248.78 | 91 | 4.18 | 46 | 3452.6 | 200 | 0.0231 | 958 | 1275 |
| 1400 | 1402.62 | 91 | 4.43 | 48.7 | 3866.9 | 224 | 0.0207 | 1005 | 1347 |
| 1500 | 1499.21 | 91 | 4.58 | 50.4 | 4143.1 | 240 | 0.0193 | 1034 | 1393 |

