

| AWG  | Diameter |        | Area    |                    | Resistance |         | Ampacity        | Fusing current |
|------|----------|--------|---------|--------------------|------------|---------|-----------------|----------------|
|      | (in)     | (mm)   | (kcmil) | (mm <sup>2</sup> ) | (mΩ/m)     | (mΩ/ft) | 60/75/90 °C     | ~10s           |
| 0000 | 0.46     | 11.684 | 212     | 107                | 0.1608     | 0.04901 | 195 / 230 / 260 | 3.2 kA         |
| 000  | 0.4096   | 10.405 | 168     | 85                 | 0.2028     | 0.0618  | 165 / 200 / 225 | 2.7 kA         |
| 00   | 0.3648   | 9.266  | 133     | 67.4               | 0.2557     | 0.07793 | 145 / 175 / 195 | 2.3 kA         |
| 0    | 0.3249   | 8.251  | 106     | 53.5               | 0.3224     | 0.09827 | 125 / 150 / 170 | 1.9 kA         |
| 1    | 0.2893   | 7.348  | 83.7    | 42.4               | 0.4066     | 0.1239  | 110 / 130 / 150 | 1.6 kA         |
| 2    | 0.2576   | 6.544  | 66.4    | 33.6               | 0.5127     | 0.1563  | 95 / 115 / 130  | 1.3 kA         |
| 3    | 0.2294   | 5.827  | 52.6    | 26.7               | 0.6465     | 0.197   | 85 / 100 / 110  | 1.1 kA         |
| 4    | 0.2043   | 5.189  | 41.7    | 21.2               | 0.8152     | 0.2485  | 70 / 85 / 95    | 946 A          |
| 5    | 0.1819   | 4.621  | 33.1    | 16.8               | 1.028      | 0.3133  |                 | 795 A          |
| 6    | 0.162    | 4.115  | 26.3    | 13.3               | 1.296      | 0.3951  | 55 / 65 / 75    | 668 A          |
| 7    | 0.1443   | 3.665  | 20.8    | 10.5               | 1.634      | 0.4982  |                 | 561 A          |
| 8    | 0.1285   | 3.264  | 16.5    | 8.37               | 2.061      | 0.6282  | 40 / 50 / 55    | 472 A          |
| 9    | 0.1144   | 2.906  | 13.1    | 6.63               | 2.599      | 0.7921  |                 | 396 A          |
| 10   | 0.1019   | 2.588  | 10.4    | 5.26               | 3.277      | 0.9989  | 30 / 35 / 40    | 333 A          |
| 11   | 0.0907   | 2.305  | 8.23    | 4.17               | 4.132      | 1.26    |                 | 280 A          |
| 12   | 0.0808   | 2.053  | 6.53    | 3.31               | 5.211      | 1.588   | 25 / 25 / 30    | 235 A          |
| 13   | 0.072    | 1.828  | 5.18    | 2.62               | 6.571      | 2.003   |                 | 198 A          |
| 14   | 0.0641   | 1.628  | 4.11    | 2.08               | 8.286      | 2.525   | 20 / 20 / 25    | 166 A          |
| 15   | 0.0571   | 1.45   | 3.26    | 1.65               | 10.45      | 3.184   |                 | 140 A          |
| 16   | 0.0508   | 1.291  | 2.58    | 1.31               | 13.17      | 4.016   | — / — / 18      | 117 A          |
| 17   | 0.0453   | 1.15   | 2.05    | 1.04               | 16.61      | 5.064   |                 | 99 A           |
| 18   | 0.0403   | 1.024  | 1.62    | 0.823              | 20.95      | 6.385   | — / — / 14      | 83 A           |
| 19   | 0.0359   | 0.912  | 1.29    | 0.653              | 26.42      | 8.051   |                 | 70 A           |
| 20   | 0.032    | 0.812  | 1.02    | 0.518              | 33.31      | 10.15   |                 | 58.5 A         |
| 21   | 0.0285   | 0.723  | 0.81    | 0.41               | 42         | 12.8    |                 | 49 A           |
| 22   | 0.0253   | 0.644  | 0.642   | 0.326              | 52.96      | 16.14   |                 | 41 A           |
| 23   | 0.0226   | 0.573  | 0.509   | 0.258              | 66.79      | 20.36   |                 | 35 A           |
| 24   | 0.0201   | 0.511  | 0.404   | 0.205              | 84.22      | 25.67   |                 | 29 A           |
| 25   | 0.0179   | 0.455  | 0.32    | 0.162              | 106.2      | 32.37   |                 | 24 A           |
| 26   | 0.0159   | 0.405  | 0.254   | 0.129              | 133.9      | 40.81   |                 | 20 A           |
| 27   | 0.0142   | 0.361  | 0.202   | 0.102              | 168.9      | 51.47   |                 | 17 A           |
| 28   | 0.0126   | 0.321  | 0.16    | 0.081              | 212.9      | 64.9    |                 | 14 A           |

