

# Class I Conductors for General Wiring

## Copper Conductor

### ASTM CLASS I

| SIZE  | STRANDING  | NOMINAL AREA |        | NOMINAL DIAMETER |                 | NOMINAL WEIGHT |      |
|-------|------------|--------------|--------|------------------|-----------------|----------------|------|
|       |            | AWG/kcmil    | INCHES | CIRCULAR MILS    | mm <sup>2</sup> | INCHES         | mm   |
| 10    | 27/.0201   | 10,910       | 5.53   | 0.117            | 2.97            | 33.70          | 50   |
| 9     | —          | —            | —      | —                | —               | —              | —    |
| 8     | 37/.0201   | 14,950       | 7.57   | 0.135            | 3.43            | 46             | 68   |
| 7     | —          | —            | —      | —                | —               | —              | —    |
| 6     | 61/.0201   | 24,640       | 12.50  | 0.174            | 4.42            | 77             | 114  |
| 5     | 91/.0201   | 36,760       | 19     | 0.242            | 6.15            | 116            | 173  |
| 4     | 105/.0201  | 42,420       | 21     | 0.262            | 6.60            | 137            | 204  |
| 3     | 126/.0201  | 50,500       | 25     | 0.285            | 7.24            | 167            | 249  |
| 2     | 147/.0201  | 60,600       | 31     | 0.307            | 7.80            | 190            | 283  |
| 1     | 224/.0201  | 90,900       | 46     | 0.380            | 9.65            | 287            | 427  |
| 1/0   | 273/.0201  | 111,100      | 56     | 0.410            | 10.41           | 351            | 522  |
| 2/0   | 323/.0201  | 131,300      | 66     | 0.470            | 11.90           | 407            | 606  |
| 3/0   | 456/.0201  | 184,200      | 92     | 0.549            | 13.94           | 594            | 884  |
| 4/0   | 551/.0201  | 222,600      | 112    | 0.593            | 14.70           | 696            | 1035 |
| 250   | —          | —            | —      | —                | —               | —              | —    |
| 262.6 | 646/.0201  | 261,000      | 133    | 0.630            | 16              | 820            | 1220 |
| 300   | —          | —            | —      | —                | —               | —              | —    |
| 313.1 | 777/.0201  | 313,900      | 159    | 0.685            | 17.40           | 987            | 1469 |
| 350   | —          | —            | —      | —                | —               | —              | —    |
| 373.7 | 925/.0201  | 373,700      | 189    | 0.750            | 19              | 1176           | 1750 |
| 400   | —          | —            | —      | —                | —               | —              | —    |
| 444.4 | 1110/.0201 | 448,400      | 225    | 0.820            | 20.80           | 1413           | 2103 |
| 500   | —          | —            | —      | —                | —               | —              | —    |
| 535.3 | 1332/.0201 | 538,100      | 271    | 0.895            | 22.70           | 1697           | 2525 |
| 592   | 1480/.0201 | 597,900      | 303    | 0.972            | 24.70           | 1858           | 2765 |
| 600   | —          | —            | —      | —                | —               | —              | —    |
| 646.4 | 1591/.0201 | 642,800      | 327    | 0.980            | 24.90           | 2020           | 3006 |
| 750   | —          | —            | —      | —                | —               | —              | —    |
| 777.7 | 1924/.0201 | 777,700      | 394    | 1.075            | 27.30           | 2435           | 3624 |
| 1000  | —          | —            | —      | —                | —               | —              | —    |
| 1111  | 2745/.0201 | 1,111,000    | 563    | 1.328            | 33.70           | 3400           | 5059 |

Dimensions and weights are nominal; subject to industry tolerances.