

Nominal Values of Solid Conductors, Stranded Conductors and Insulated Wires.

All conductors are made of pure electrolytic copper. The stranded conductors of the insulated wires are made of tin-coated copper.

| SOLID CONDUCTOR | | | | | STRANDED CONDUCTOR | | | | | INSULATED WIRES | | | |
|-----------------|-------|---------------|----------------|--------|--------------------|------------|------|----------------|--------|----------------------|-------|--------------------------|-------|
| AWG | Dia. | Cross Section | Resist. @ 20°C | Weight | AWG | Stranding | Dia. | Resist. @ 20°C | Weight | MIL-W-76 80°C Rating | | MIL-W-16878 105°C Rating | |
| | mm | mm² | Ω/km | kg/km | | No. x mm | mm | Ω/km | kg/km | P/N | OD mm | P/N | OD mm |
| 4 | 5.189 | 21.15 | .815 | 188.0 | 4 | 19x7x0.455 | 6.6 | .85 | 197.9 | - | - | - | - |
| 6 | 4.115 | 13.30 | 1.297 | 118.2 | 6 | 19x7x0.361 | 5.3 | 1.35 | 124.9 | 6063 | 8.00 | 6171 | 7.35 |
| 8 | 3.264 | 8.37 | 2.061 | 74.38 | 8 | 19x7x0.287 | 4.2 | 2.15 | 79.0 | 6062 | 6.70 | 6170 | 6.25 |
| 10 | 2.588 | 5.26 | 3.277 | 46.77 | 10 | 37x0.404 | 2.8 | 3.94 | 44.4 | - | - | 6169 | 4.60 |
| 11 | 2.304 | 4.17 | 4.134 | 37.05 | 10 | 105x0.254 | 3.2 | 3.90 | 49.3 | 6061 | 5.60 | - | - |
| 12 | 2.052 | 3.31 | 5.217 | 29.46 | 12 | 19x0.450 | 2.25 | 6.10 | 28.1 | - | - | 6137 | 3.15 |
| 13 | 1.829 | 2.626 | 5.562 | 23.36 | 12 | 63x0.254 | 2.35 | 5.92 | 29.0 | 6028 | 3.40 | - | - |
| 14 | 1.628 | 2.084 | 8.268 | 18.45 | 14 | 19x0.361 | 1.8 | 9.61 | 17.7 | - | - | 6114 | 2.35 |
| 15 | 1.450 | 1.652 | 10.43 | 14.69 | 14 | 41x0.254 | 1.8 | 9.10 | 18.9 | 6027 | 2.85 | - | - |
| 16 | 1.290 | 1.309 | 13.19 | 11.62 | 16 | 19x0.287 | 1.43 | 15.2 | 11.2 | - | - | 6113 | 2.00 |
| 17 | 1.151 | 1.039 | 16.57 | 9.24 | 16 | 25x0.254 | 1.53 | 14.9 | 11.5 | 6026 | 2.50 | - | - |
| 18 | 1.024 | .826 | 20.96 | 7.32 | 18 | 7x0.404 | 1.22 | 22.0 | 8.2 | - | - | 6111 | 1.75 |
| - | - | - | - | - | 18 | 16x0.254 | 1.27 | 25.8 | 7.4 | 6025 | 2.20 | - | - |
| 19 | .912 | .652 | 26.41 | 5.80 | 18 | 19x0.254 | 1.27 | 19.7 | 8.8 | - | - | 6112 | 1.75 |
| 20 | .813 | .519 | 33.14 | 4.61 | 20 | 7x0.320 | .96 | 33.2 | 5.2 | - | - | 6109 | 1.50 |
| - | - | - | - | - | 20 | 10x0.254 | 1.02 | 37.3 | 4.6 | 6006 | 1.60 | - | - |
| 21 | .724 | .412 | 41.99 | 3.66 | 20 | 19x0.203 | 1.01 | 31.0 | 5.6 | - | - | 6110 | 1.50 |
| 22 | .643 | .325 | 53.15 | 2.89 | 22 | 7x0.254 | .76 | 53.3 | 3.3 | 6005 | 1.35 | 6107 | 1.30 |
| 23 | .574 | .259 | 66.60 | 2.31 | 22 | 19x0.160 | .80 | 49.5 | 3.5 | - | - | 6108 | 1.30 |
| 24 | .511 | .205 | 84.32 | 1.82 | 24 | 7x0.203 | .61 | 83.4 | 2.1 | 6004 | 1.15 | 6105 | 1.15 |
| 25 | .455 | .163 | 106.3 | 1.44 | 24 | 19x0.127 | .63 | 78.5 | 2.2 | - | - | 6106 | 1.15 |
| 26 | .404 | .128 | 134.5 | 1.14 | 26 | 7x0.160 | .48 | 134.1 | 1.28 | 6003 | 1.05 | 6104 | 1.00 |
| 27 | .361 | .102 | 168.8 | .91 | 26 | 19x0.102 | .50 | 121.6 | 1.42 | - | - | - | - |
| 28 | .320 | .081 | 214.2 | .72 | 28 | 7x0.127 | .381 | 212.9 | .807 | 6002 | .95 | 6103 | .90 |
| 29 | .287 | .065 | 266.4 | .58 | 28 | 19x0.079 | .390 | 208.0 | .821 | - | - | - | - |
| 30 | .254 | .051 | 341.2 | .45 | 30 | 7x0.102 | .306 | 330.1 | .521 | - | - | - | - |

