

Wire Gauge Conversion

The common US wire gauges - AWG gauges

| AWG | Diameter (mm) | Square (mm ²) | Diameter (in) | Resistance (ohm/1000m) |
|-----|---------------|---------------------------|---------------|------------------------|
| 4/0 | 11.684 | 107.22 | 0.46 | 0.16 |
| 3/0 | 10.4 | 85.01 | 0.41 | 0.2 |
| 2/0 | 9.266 | 67.43 | 0.37 | 0.25 |
| 0 | 8.252 | 53.49 | 0.33 | 0.31 |
| 1 | 7.348 | 42.41 | 0.29 | 0.4 |
| 2 | 6.543 | 33.62 | 0.26 | 0.5 |
| 4 | 5.189 | 21.15 | 0.2 | 0.8 |
| 6 | 4.115 | 13.3 | 0.17 | 1.5 |
| 8 | 3.25 | 8.3 | 0.13 | 2.2 |
| 10 | 2.59 | 5.26 | 0.1 | 3.4 |
| 12 | 2.05 | 3.3 | 0.081 | 5.4 |
| 13 | 1.8 | 2.6 | 0.072 | 6.76 |
| 14 | 1.63 | 2 | 0.064 | 8.54 |
| 16 | 1.29 | 1.3 | 0.051 | 13 |
| 18 | 1.02 | 0.82 | 0.04 | 21.9 |
| 20 | 0.81 | 0.5 | 0.032 | 34.1 |
| 22 | 0.64 | 0.33 | 0.025 | 51.7 |
| 24 | 0.51 | 0.2 | 0.02 | 87.5 |
| 25 | 0.45 | 0.16 | 0.018 | 108 |
| 26 | 0.41 | 0.13 | 0.016 | 137 |



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Automotive Wire Gauge Conversion

Automotive Cables

| Wire | Square (mm ²) | Rating |
|------|---------------------------|--------|
| 2.5 | 0.64 | 5A |
| 3 | 1.13 | 10A |
| 4 | 1.85 | 15A |
| 5 | 2.90 | 25A |
| 6 | 4.58 | 50A |