

# HM Wire International, Inc.

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## AMERICAN WIRE GAUGE TO SQUARE MM CROSS SECTIONAL AREA CHART

| AWG  | DIAMETER (IN) | DIAMETER (MM) | CROSS SECTIONAL AREA (MM <sup>2</sup> ) |
|------|---------------|---------------|---|
| 0000 | 0.46          | 11.68         | 107.16                                  |
| 000  | 0.4096        | 10.40         | 84.97                                   |
| 00   | 0.3648        | 9.27          | 67.4                                    |
| 0    | 0.3249        | 8.25          | 53.46                                   |
| 1    | 0.2893        | 7.35          | 42.39                                   |
| 2    | 0.2576        | 6.54          | 33.61                                   |
| 3    | 0.2294        | 5.83          | 26.65                                   |
| 4    | 0.2043        | 5.19          | 21.14                                   |
| 5    | 0.1819        | 4.62          | 16.76                                   |
| 6    | 0.162         | 4.11          | 13.29                                   |
| 7    | 0.1443        | 3.67          | 10.55                                   |
| 8    | 0.1285        | 3.26          | 8.36                                    |
| 9    | 0.1144        | 2.91          | 6.63                                    |
| 10   | 0.1019        | 2.59          | 5.26                                    |
| 11   | 0.0907        | 2.30          | 4.17                                    |
| 12   | 0.0808        | 2.05          | 3.31                                    |
| 13   | 0.072         | 1.83          | 2.63                                    |
| 14   | 0.0641        | 1.63          | 2.08                                    |
| 15   | 0.0571        | 1.45          | 1.65                                    |
| 16   | 0.0508        | 1.29          | 1.31                                    |
| 17   | 0.0453        | 1.15          | 1.04                                    |
| 18   | 0.0403        | 1.02          | 0.82                                    |
| 19   | 0.0359        | 0.91          | 0.65                                    |
| 20   | 0.032         | 0.81          | 0.52                                    |
| 21   | 0.0285        | 0.72          | 0.41                                    |
| 22   | 0.0254        | 0.65          | 0.33                                    |
| 23   | 0.0226        | 0.57          | 0.26                                    |
| 24   | 0.0201        | 0.51          | 0.20                                    |
| 25   | 0.0179        | 0.45          | 0.16                                    |
| 26   | 0.0159        | 0.40          | 0.13                                    |
| 27   | 0.0142        | 0.361         | 0.10                                    |
| 28   | 0.0126        | 0.330         | 0.08                                    |
| 29   | 0.0113        | 0.287         | 0.065                                   |
| 30   | 0.0100        | 0.254         | 0.05                                    |
| 31   | 0.0089        | 0.226         | 0.04                                    |
| 32   | 0.0080        | 0.203         | 0.032                                   |
| 33   | 0.0071        | 0.180         | 0.025                                   |

This is to be used as a guideline only.

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|-----|---------------|---------------|---|
| 34  | 0.0063        | 0.160         | 0.020                                   |
| 35  | 0.0056        | 0.142         | 0.016                                   |
| 36  | 0.0050        | 0.127         | 0.012                                   |
| 37  | 0.0045        | 0.114         | 0.010                                   |
| 38  | 0.0040        | 0.102         | 0.008                                   |
| 39  | 0.0035        | 0.089         | 0.006                                   |

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