

# PVC Insulated Ground Strap 300 Volt, 105° C



**DESCRIPTION:** Braided tin-plated copper conductor insulated with extruded PVC which is resistant to water, oil, acids and solvents and is self-extinguishing.

**USE:** Insulated bonds, grounds, leads, flexible connectors.

Typically constructed with tinned or bare copper wire, material may also be supplied to UL Style 1680; please contact our design team to assist you with a product for your specific application.

| Equivalent<br>AWG<br>Size | Circular<br>Mil Area | Wire<br>AWG | Number of<br>Wires | Braid<br>Construction | BRAID DIMENSION  |                      | Nominal<br>Wall | INSULATION DIMENSION |                      |
|---------------------------|----------------------|-------------|--------------------|-----------------------|------------------|----------------------|-----------------|----------------------|----------------------|
|                           |                      |             |                    |                       | Nominal<br>Width | Nominal<br>Thickness |                 | Nominal<br>Width     | Nominal<br>Thickness |
| 18                        | 1800                 | 36          | 72                 | 24-3-36               | .109             | .025                 | .015            | .139                 | .055                 |
| 16                        | 2400                 | 36          | 96                 | 24-4-36               | .156             | .025                 | .015            | .186                 | .055                 |
| 15                        | 3000                 | 36          | 120                | 24-5-36               | .188             | .025                 | .020            | .228                 | .065                 |
| 14                        | 4200                 | 36          | 168                | 24-7-36               | .219             | .031                 | .020            | .259                 | .071                 |
| 12                        | 6000                 | 36          | 240                | 24-10-36              | .250             | .040                 | .020            | .290                 | .080                 |
| 12                        | 7200                 | 36          | 288                | 48-6-36               | .375             | .031                 | .020            | .415                 | .071                 |
| 10                        | 9600                 | 30          | 96                 | 24-4-30               | .313             | .050                 | .020            | .353                 | .090                 |
| 10                        | 9600                 | 36          | 384                | 24-16-36              | .375             | .063                 | .020            | .415                 | .103                 |
| 10                        | 9600                 | 36          | 384                | 48-8-36               | .500             | .031                 | .020            | .540                 | .071                 |
| 9                         | 12000                | 30          | 120                | 24-5-30               | .375             | .050                 | .020            | .415                 | .090                 |
| 9                         | 13200                | 36          | 528                | 48-11-36              | .625             | .040                 | .020            | .665                 | .080                 |
| 8                         | 16800                | 30          | 168                | 24-7-30               | .438             | .063                 | .030            | .498                 | .123                 |
| 8                         | 18000                | 36          | 720                | 48-15-36              | .625             | .040                 | .030            | .685                 | .100                 |
| 7                         | 21600                | 36          | 864                | 48-18-36              | .625             | .050                 | .030            | .685                 | .110                 |
| 6                         | 24000                | 30          | 240                | 24-10-30              | .500             | .094                 | .030            | .560                 | .154                 |
| 6                         | 26400                | 36          | 1056               | 48-22-36              | .875             | .050                 | .030            | .935                 | .110                 |
| 5                         | 36000                | 30          | 360                | 24-15-30              | .625             | .094                 | .030            | .685                 | .154                 |
| 4                         | 43200                | 30          | 432                | 24-18-30              | .719             | .094                 | .030            | .779                 | .154                 |
| 3                         | 48000                | 30          | 480                | 24-20-30              | .750             | .125                 | .030            | .810                 | .185                 |
| 2                         | 64800                | 30          | 648                | 24-27-30              | .938             | .125                 | .030            | .998                 | .185                 |
| 1                         | 76800                | 30          | 768                | 24-32-30              | 1.000            | .125                 | .040            | 1.080                | .205                 |
| 1/0                       | 105600               | 30          | 1056               | 24-44-30              | 1.250            | .125                 | .040            | 1.330                | .205                 |

\* Material is manufactured to width specification; thickness dimensions are given as reference only and may vary slightly due manufacturing process inherent with braiding. Please contact your design team if you have specific thickness dimensions.

All measurements are in inches unless otherwise stated.

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