

|    | AWG   | R1@75°C | R2@20°C | R2@30°C | R2@40°C | R2@50°C | R2@60°C | R2@70°C |
|----|-------|---------|---------|---------|---------|---------|---------|---------|
| 1  | 14    |         |         |         |         |         |         |         |
| 2  | 12    |         |         |         |         |         |         |         |
| 3  | 10    |         |         |         |         |         |         |         |
| 4  | 8     |         |         |         |         |         |         |         |
| 5  | 6     |         |         |         |         |         |         |         |
| 6  | 4     |         |         |         |         |         |         |         |
| 7  | 3     |         |         |         |         |         |         |         |
| 8  | 2     |         |         |         |         |         |         |         |
| 9  | 1     |         |         |         |         |         |         |         |
| 10 | 1/0   |         |         |         |         |         |         |         |
| 11 | 2/0   |         |         |         |         |         |         |         |
| 12 | 3/0   |         |         |         |         |         |         |         |
| 13 | 4/0   |         |         |         |         |         |         |         |
|    | kcmil | 75°C    | 20°C    | 30°C    | 40°C    | 50°C    | 60°C    | 70°C    |
| 14 | 250   |         |         |         |         |         |         |         |
| 15 | 300   |         |         |         |         |         |         |         |
| 16 | 350   |         |         |         |         |         |         |         |
| 17 | 400   |         |         |         |         |         |         |         |
| 18 | 500   |         |         |         |         |         |         |         |
| 19 | 600   |         |         |         |         |         |         |         |
| 20 | 700   |         |         |         |         |         |         |         |
| 21 | 800   |         |         |         |         |         |         |         |
| 22 | 900   |         |         |         |         |         |         |         |
| 23 | 1000  |         |         |         |         |         |         |         |
| 24 | 1250  |         |         |         |         |         |         |         |
| 25 | 1500  |         |         |         |         |         |         |         |

R1 given in Properties of Conductors NEC® Chapter 9 Table 8.

See Reference Formulas Appendix page 5 for more information.

Calculator Technique: Clear R1 x ( 1 + .00323 x ( T2 - 75 ) ) = read answer