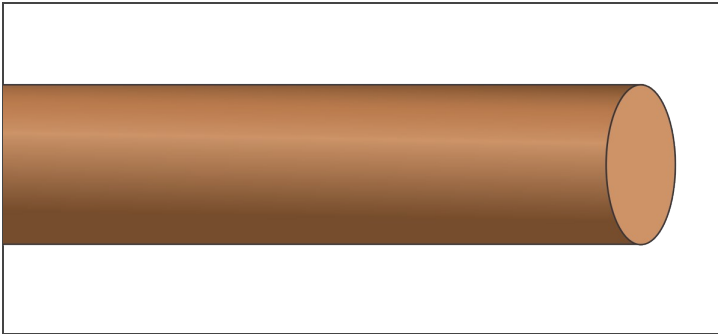


BARE COPPER



SOLID CONDUCTOR

Bare or Tinned

Soft (Annealed), Medium Hard, Hard Drawn



Description:

Soft Drawn: Easily formed into place.

Hard Drawn: Higher tensile strength. Retains Shape. More difficult to form.

Application:

Suitable for use in electrical grounding systems and on insulators for overhead transmission and distribution applications.

Standards:

ASTM Standards: B-1 (*hard drawn*), B-2 (*medium hard drawn*), B-3 (*soft or annealed*), B-33 (*tinned*)

REA/RUS Approved

Federal Standard QQ-W-343

RoHS Compliant

| Part Number | Size (AWG) | Nominal Diameter (in.) | Approx. Net Weight (lb./1000') | HARD DRAWN Min. Breaking Strength (lbs.) | HARD DRAWN DC Resistance (OHMS/1000') @20°C | MED HARD DRAWN Min. Breaking Strength (lbs.) | MED HARD DRAWN DC Resistance (OHMS/1000') @20°C | SOFT (BARE) DC Resistance (OHMS/1000') @20°C | SOFT (TINNED) DC Resistance (OHMS/1000') @20°C | Ampacity* |
|-------------|------------|------------------------|--------------------------------|--|---|--|---|--|--|-----------|
| BSOS18 | 18 | 0.0403 | 4.92 | 85 | 6.6400 | 67 | 6.6100 | 6.3900 | 6.6400 | - |
| BSOS16 | 16 | 0.0508 | 7.82 | 135 | 4.1800 | 106 | 4.1600 | 4.0200 | 4.1800 | - |
| BSOS14 | 14 | 0.0641 | 12.43 | 214 | 2.6300 | 167 | 2.6100 | 2.5200 | 2.6200 | - |
| BSOS12 | 12 | 0.0808 | 19.77 | 337 | 1.6500 | 262 | 1.6400 | 1.5900 | 1.6500 | - |
| BSOS10 | 10 | 0.1019 | 31.43 | 529 | 1.0390 | 410 | 1.0330 | 0.9988 | 1.0430 | - |
| BSOS8 | 8 | 0.1285 | 49.98 | 826 | 0.6532 | 644 | 0.6498 | 0.6281 | 0.6426 | 98 |
| BSOS6 | 6 | 0.1620 | 79.46 | 1,280 | 0.4110 | 1,010 | 0.4088 | 0.3952 | 0.4109 | 124 |
| BSOS4 | 4 | 0.2043 | 126.40 | 1,970 | 0.2584 | 1,584 | 0.2571 | 0.2485 | 0.2528 | 155 |
| BSOS2 | 2 | 0.2576 | 200.90 | 3,002 | 0.1625 | 2,450 | 0.1617 | 0.1563 | 0.1580 | 209 |
| BSOS1 | 1 | 0.2893 | 253.30 | 3,688 | 0.1289 | 3,024 | 0.1282 | 0.1239 | - | - |
| BSOS1/0 | 1/0 | 0.3249 | 319.50 | 4,518 | 0.1011 | 3,731 | 0.1016 | 0.0982 | - | 282 |
| BSOS2/0 | 2/0 | 0.3648 | 402.80 | 5,519 | 0.0802 | 4,600 | 0.0798 | 0.0779 | - | 329 |
| BSOS3/0 | 3/0 | 0.4096 | 507.80 | 6,720 | 0.0636 | 5,666 | 0.0633 | 0.0618 | - | 382 |
| BSOS4/0 | 4/0 | 0.4600 | 640.50 | 8,143 | 0.0504 | 6,980 | 0.0502 | 0.0490 | - | 444 |

*Per NEC Table 310.15 (B)(21). Based on conductor temperature of 80°C; ambient temperature of 40°C; 2 ft./sec. wind. **Ref ASTM B-787 NOTE: The data shown is approximate and subject to standard industry tolerance.