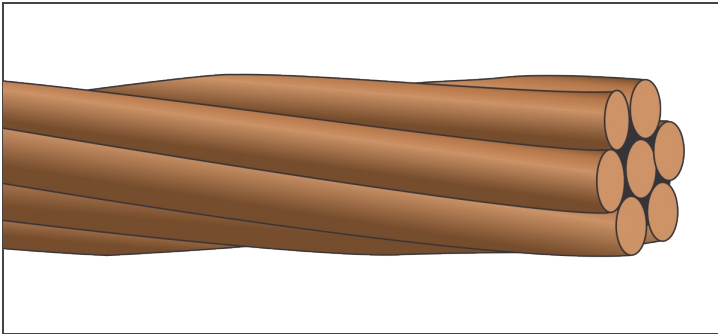


BARE COPPER



STRANDED CONDUCTOR

Bare or Tinned

Soft (Annealed), Medium Hard, Hard Drawn
16 AWG - 4/0 AWG



Description:

Stranded conductors offer greater flexibility than solid.

Application:

Suitable for use in electrical grounding systems (including counterpoise grounding) 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-8 (concentric lay stranded), B-33 (tinned), B-787 (combination strand)

REA/RUS Approved
Federal Standard QQ-W-343
RoHS Compliant

| Part Number | Size (AWG) | Strand (no.) | Stranding Class | 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* |
|-------------|------------|--------------|-----------------|------------------------|--------------------------------|--|--|--|--|---|---|-----------|
| BST26S16 | 16 | 26 | K | 0.058 | 7.97 | 124.7 | 4.2590 | 100.4 | 4.2370 | 4.0960 | 4.1100 | - |
| BST7S14 | 14 | 7 | B | 0.073 | 12.70 | 197.1 | 2.6790 | 157.7 | 2.6650 | 2.5800 | 2.6800 | - |
| BST7S12 | 12 | 7 | B | 0.092 | 20.20 | 311.1 | 1.6850 | 247.7 | 1.6760 | 1.6200 | 1.6900 | - |
| BST7S10 | 10 | 7 | B | 0.115 | 32.00 | 491.7 | 1.0600 | 388.9 | 1.0540 | 1.0200 | 1.0600 | - |
| BST7S8 | 8 | 7 | B | 0.143 | 50.90 | 777.0 | 0.6663 | 610.0 | 0.6629 | 0.6408 | 0.6654 | 98 |
| BST7S6 | 6 | 7 | B | 0.181 | 81.00 | 1,228.0 | 0.4191 | 959.0 | 0.4169 | 0.4030 | 0.4196 | 124 |
| BST7S4 | 4 | 7 | A,B | 0.230 | 128.90 | 1,938.0 | 0.2636 | 1,505.0 | 0.2622 | 0.2540 | 0.2637 | 155 |
| BST7S3 | 3 | 7 | A,B | 0.254 | 162.50 | 2,433.0 | 0.2090 | 1,885.0 | 0.2079 | 0.2010 | 0.2086 | - |
| BST3S2 | 2 | 3 | AA | 0.320 | 202.90 | 2,912.0 | 0.1641 | 2,298.0 | 0.1633 | 0.1578 | - | 209 |
| BST7S2 | 2 | 7 | A,B | 0.284 | 204.90 | 3,050.0 | 0.1660 | 2,360.0 | 0.1650 | 0.1594 | 0.1657 | 209 |
| BST7S1 | 1 | 7 | A,AA | 0.328 | 258.40 | 3,801.0 | 0.1316 | 2,955.0 | 0.1309 | 0.1265 | 0.1302 | - |
| BST19S1 | 1 | 19 | B** | 0.316 | 258.40 | 3,902.0 | 0.1316 | 3,039.0 | 0.1309 | 0.1265 | 0.1313 | - |
| BST7S1/0 | 1/0 | 7 | A,AA | 0.368 | 325.80 | 4,752.0 | 0.1042 | 3,705.0 | 0.1037 | 0.1002 | 0.1031 | 282 |
| BST19S1/0 | 1/0 | 19 | B** | 0.357 | 325.80 | 4,897.0 | 0.1042 | 3,802.0 | 0.1037 | 0.1003 | 0.1043 | 282 |
| BST7S2/0 | 2/0 | 7 | A,AA | 0.414 | 410.90 | 5,927.0 | 0.0826 | 4,640.0 | 0.0822 | 0.0795 | 0.0818 | 329 |
| BST19S2/0 | 2/0 | 19 | B** | 0.402 | 410.90 | 6,153.0 | 0.0826 | 4,765.0 | 0.0822 | 0.0795 | 0.0826 | 329 |
| BST7S3/0 | 3/0 | 7 | A,AA | 0.464 | 518.10 | 7,360.0 | 0.0655 | 5,812.0 | 0.0652 | 0.0631 | 0.0649 | 382 |
| BST19S3/0 | 3/0 | 19 | B** | 0.450 | 518.10 | 7,702.0 | 0.0655 | 5,973.0 | 0.0652 | 0.0631 | 0.0655 | 382 |
| BST7S4/0 | 4/0 | 7 | A,AA | 0.522 | 653.30 | 9,154.0 | 0.0519 | 7,278.0 | 0.0517 | 0.0499 | - | 444 |
| BST19S4/0 | 4/0 | 19 | B** | 0.509 | 653.30 | 9,617.0 | 0.0519 | 7,479.0 | 0.0517 | 0.0500 | 0.0515 | 444 |
| BST61S4/0 | 4/0 | 61 | D | 0.530 | 653.30 | 9,903.0 | 0.0519 | 7,728.0 | 0.0517 | 0.0500 | 0.0520 | 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.