# 40% High Strength Copper Clad Steel

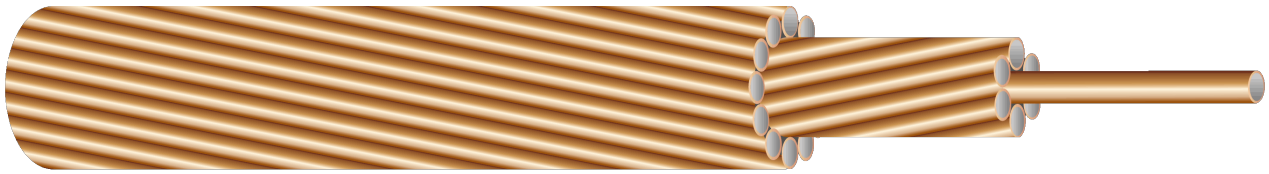


Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

Stranded Copper-Clad Steel per ASTM A460

## APPLICATIONS AND FEATURES:

40% Conductivity High Strength Copper-Clad Steel Wire is designed for use as guy wires for overhead lines, messengers, or span wires. Features higher tensile strength with minimal sag compared to solid copper. Resistant to permanent stretch caused by seasonal changes in temperature and less susceptible to cracking from repeated flexing and mechanical vibration. With very little scrap value, discourages theft.

## SPECIFICATIONS:

- ASTM A460 Standard Specification for Copper-Clad Steel Wire Strand
- ASTM B228 Standard Specification for Concentric-Lay-Stranded Copper-Clad Steel Conductors
- ASTM B227 Standard for Hard-Drawn Copper-Clad Steel Wire


Copyright © 2026 Southwire Company, LLC. All Rights Reserved

## Table 1 – Weights and Measurements

| Stock Number | Cond. Size | Strand Count | Approx. OD | Cond. Area | Rated Breaking Strength | Approx. Weight | DC Resistance @ 20°C | |
|---|---|---|---|---|---|---|---|---|
| | AWG | No. of Strands | inch | cmil | lbs. | lbs./1000ft | Ω/1000ft | |
| CC-10033 | 19#4 | 19 | 1.022 | 793000 | 58738 | 2251.7 | 0.0331 | |
| CC-10034 | 19#5 | 19 | 0.910 | 628700 | 48719 | 1785 | 0.0418 | |
| CC-10035 | 19#6 | 19 | 0.810 | 498600 | 40353 | 1415.8 | 0.0527 | |
| CC-10036 | 19#7 | 19 | 0.722 | 395600 | 33373 | 1123.3 | 0.0664 | |
| CC-10037 | 19#8 | 19 | 0.643 | 313700 | 27541 | 890.8 | 0.0837 | |
| CC-10038 | 19#9 | 19 | 0.572 | 248700 | 22681 | 706.0 | 0.1057 | |
| CC-10039 | 4/0 | 19 | 0.528 | 211500 | 19289 | 600.4 | 0.1242 | |
| CC-10040 | 19#10 | 19 | 0.510 | 197300 | 18753 | 560.2 | 0.1332 | |
| CC-10041 | 7#4 | 7 | 0.613 | 292200 | 21640 | 826.3 | 0.0896 | |
| CC-10042 | 7#5 | 7 | 0.546 | 231600 | 17949 | 655.0 | 0.1130 | |
| CC-10043 | 7#6 | 7 | 0.486 | 183700 | 14867 | 519.6 | 0.1424 | |
| CC-10044 | 7#7 | 7 | 0.433 | 145800 | 12295 | 412.2 | 0.1795 | |
| CC-10045 | 2/0 | 7 | 0.414 | 133100 | 11229 | 376.5 | 0.1966 | |
| CC-10046 | 7#8 | 7 | 0.386 | 115600 | 10147 | 326.9 | 0.2264 | |
| CC-10047 | 1/0 | 7 | 0.368 | 105600 | 9266 | 298.5 | 0.2479 | |
| 73610240 | 7#9 | 7 | 0.343 | 91610 | 8356 | 259.1 | 0.2856 | |
| CC-10048 | 7#10 | 7 | 0.306 | 72690 | 6909 | 205.6 | 0.3600 | |
| 73610340 | 2 | 7 | 0.258 | 51700 | 4971 | 146.0 | 0.5054 | |


Copyright © 2026 Southwire Company, LLC. All Rights Reserved