



## 30% Extra 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:

30% Conductivity Extra High Strength Copper-Clad Steel Wire is designed for use as guy wires for overhead lines, messengers, or span wires. Features maximum 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 B227 Standard for Hard-Drawn Copper-Clad Steel Wire

**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-10063     | 19#4       | 19             | 1.022      | 793000     | 77501                   | 2346.4         | 0.0442              |
| CC-10064     | 19#5       | 19             | 0.910      | 628700     | 64887                   | 1860.1         | 0.0558              |
| CC-10065     | 19#6       | 19             | 0.810      | 498600     | 53860                   | 1475.3         | 0.0703              |
| CC-10066     | 19#7       | 19             | 0.722      | 395600     | 44497                   | 1170.6         | 0.0886              |
| CC-10067     | 19#8       | 19             | 0.643      | 313700     | 36577                   | 928.3          | 0.1118              |
| CC-10068     | 19#9       | 19             | 0.572      | 248700     | 29690                   | 735.7          | 0.1410              |
| CC-10069     | 4/0        | 19             | 0.528      | 211500     | 25250                   | 625.7          | 0.1658              |
| CC-10070     | 19#10      | 19             | 0.510      | 197300     | 24219                   | 583.7          | 0.1777              |
| CC-10071     | 7#4        | 7              | 0.613      | 292200     | 28553                   | 861.0          | 0.1195              |
| CC-10072     | 7#5        | 7              | 0.546      | 231600     | 23906                   | 682.6          | 0.1508              |
| CC-10073     | 7#6        | 7              | 0.486      | 183700     | 19843                   | 541.4          | 0.1901              |
| CC-10074     | 7#7        | 7              | 0.433      | 145800     | 16394                   | 429.6          | 0.2396              |
| CC-10075     | 2/0        | 7              | 0.414      | 133100     | 14972                   | 392.3          | 0.2624              |
| CC-10076     | 7#8        | 7              | 0.386      | 115600     | 13476                   | 340.6          | 0.3021              |
| CC-10077     | 1/0        | 7              | 0.368      | 105600     | 12307                   | 311.1          | 0.3308              |
| CC-10078     | 7#9        | 7              | 0.343      | 91610      | 10938                   | 270.0          | 0.3812              |
| CC-10079     | 7#10       | 7              | 0.306      | 72690      | 8923                    | 214.2          | 0.4805              |