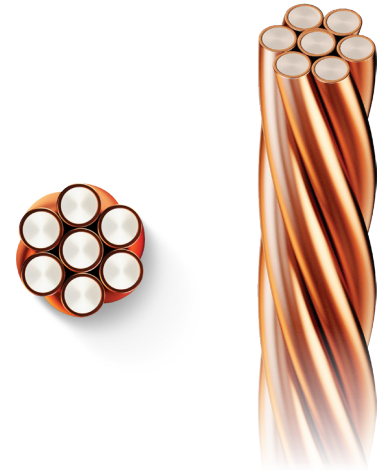


Century 7 No. 5

Copper-Clad Steel (CCS) Grounding Conductor

PART #: Q6C7X05A



Engineering Specifications:

- **Strands** – 7
- **Composition** – Grade 40 DSA (steel core)
- **Finish** – Bare
- **Standards** – ASTM B-910, ASTM B-228

| Current Carrying Capabilities* | Up to 100 ms (6 Cycles) | Up to 250 ms (15 Cycles) | Up to 500 ms (30 Cycles) | Up to 1.0 s (60 Cycles) | Up to 3.0 s (180 Cycles) | Thermal Energy (I ² T) |
|--------------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|-----------------------------|--------------------------------------|
| Short Time Fusing Limit | 66.4 kA | 44.0 kA | 32.1 kA | 23.3 kA | 13.7 kA | 515 |

| Specifications | Imperial | Metric |
|-----------------------|--------------|-----------------------|
| Strand Diameter | 0.1819 in | 4.62 mm |
| Nom. Overall Diameter | 0.546 in | 13.86 mm |
| Area | 231.6 kcmil | 117.4 mm ² |
| Weight | 656 lb/kft | 977 kg/km |
| Max. Wire Resistance | 0.1189 Ω/kft | 0.0362 Ω/km |
| Min. Break Load | 8,228 lbf | 3,732 kgf |

* Short circuit current (kA) values are based on IEEE 80:2013, Table 6 (RMS currents, 60 Hz, X/R = 0). Fusing temps at 1084 °C. Century Grid® products exceed industry performance standards due to design, materials, and improved thermal characteristics. All current carrying capabilities for Century products are reflected in commercially available industry standard software programs for substation and transmission line designs. Contact your local sales representative for details.



Copperweld bimetals have been processed in the USA for over 100 years. We use the world's highest-quality steel and oxygen-free copper to provide superior protection and unmatched durability.



615-377-4200
powergrid@copperweld.com