

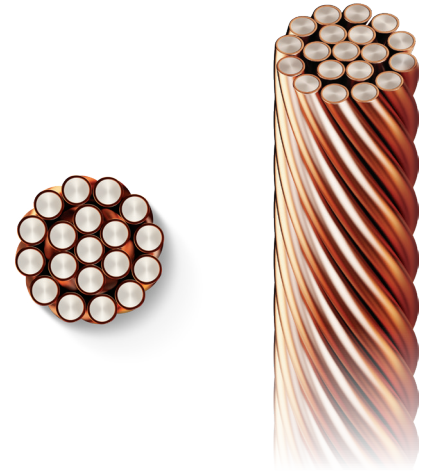
# ArcAngel® 14

## Copper-Clad Steel (CCS) Grounding Conductor

PART #: CWAA14

### Engineering Specifications:

- **Strands** – 19
- **Composition** – Grade 40 DSA (steel core)
- **Finish** – Bare
- **Standards** – IEEE Std-80, IEEE Std-837 EMF



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 <sup>2</sup> T)
Short Time Fusing Limit	30.3 kA	19.7 kA	14.0 kA	10.0 kA	5.8 kA	98

Specifications	Imperial	Metric
Strand Diameter	0.0700 in	1.78 mm
Nom. Overall Diameter	0.350 in	8.89 mm
Area	93.00 kcmil	47.1 mm <sup>2</sup>
Weight	265 lb/kft	394 kg/km
Max. Wire Resistance	0.2939 Ω/kft	0.0896 Ω/km
Min. Break Load	4,019 lbf	1,823 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. ArcAngel products exceed industry performance standards due to design, materials, and improved thermal characteristics. All current carrying capabilities for ArcAngel 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.



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