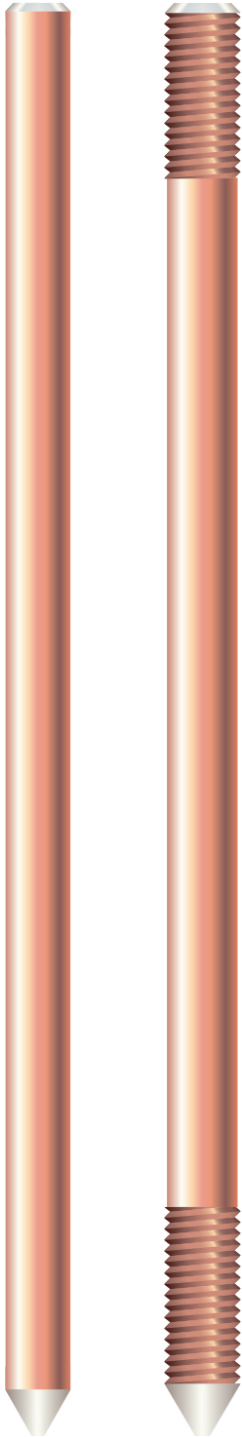


# Copper-Bonded Ground Rod

## Spec Sheet



Trident Solutions recommends copper-bonded ground rods for superior depth driveability. The copper bonding will not tear or crack when driven or rod is bent. Copper-bonding provides high resistance to corrosion and a low-resistance path to ground. The electrolytic bonding of copper over the steel core ensures a long lasting molecular bond. UL Listed.

### Applications and Information

- Driven into the earth to provide grounding for construction applications involving systems that support transmission, substation, tower, pole, residential, industrial, communication networks and other necessary structures
- 99.9% electrolytic copper coating, molecularly bonded to high carbon steel core
- High carbon steel core and tip provide superior drivability into the earth
- Rods listed to UL 467 have a minimum copper coating of 10 mils
- Diameter, length, and part number is roll-stamped on each rod
- Available in Non-Threaded or Threaded

### Standards and References

Copper-Bonded Ground Rods meet applicable UL Standards and comply with requirements outlined below and notated in the specifications table for each item.

- UL 467: Standard for Safety Grounding and Bonding Equipment
- ANSI/NEMA GR 1: Grounding Rod Electrodes and Grounding Rod Electrode Couplings
- Tensile Strength: 80,000 psi minimum

### Construction

Our copper-bonded ground rods are manufactured by drawing steel rods to size followed by the copper bonding process. A continuous electro-plated process provides the copper coating over the steel core creating a permanent molecular bond at the interface. The result is a stronger ground rod making installation easier and providing decades of reliable performance for grounding applications.

### Specification Example

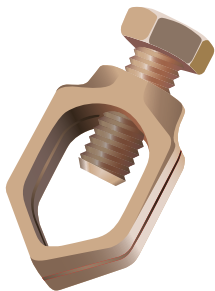
The copper-bonded ground rod shall be made of a high-tensile carbon steel core of quality not inferior to SAE 1010/1020 and comply with UL 487. The cladding shall be of 99.9% pure electrolytic copper molecularly bonded to the steel core. The radial thickness of copper shall not be less than 10 mils and without any cracks or cavities to prevent exposure of the steel core. The circular diameter shall not be less than 5/8" and the length shall not be less than 8 ft. The ground rod tip shall be pointed and (non-threaded or threaded). Ground rod to be supplied by Pro-Line Safety Products, a Trident Company, or approved equal.

# Copper-Bonded Ground Rod

## Ordering Information

Ordering information: NON-THREADED and POINTED								
Part #	Diameter x Length	Actual Diameter (Ø)	Copper Thickness	Unit Weight	Master Bundle	Pallet Quantity	Pallet Dimensions	Complies With Certifications
GRCC-1205	1/2" x 5'	0.500" - 0.510"	10 mil	3.35 lbs	100	500		None
GRCC-1208L	1/2" x 8'	0.500" - 0.510"	10 mil	5.38 lbs	100	500		UL
GRCC-1210L	1/2" x 10'	0.500" - 0.510"	10 mil	6.73 lbs	100	500		UL
GRCC-5804	5/8" x 4'	0.500" - 0.565"	10 mil	3.39 lbs	100	500	48"x35"x12"	None
GRCC-5805	5/8" x 5'	0.500" - 0.565"	10 mil	4.23 lbs	100	500	60"x35"x12"	None
GRCC-5808L	5/8" x 8'	0.500" - 0.565"	10 mil	6.78 lbs	100	500	97"x35"x12"	UL, RUS
GRCC-5810L	5/8" x 10'	0.500" - 0.565"	10 mil	8.48 lbs	100	300	121"x35"x12"	UL, RUS
GRCC-3408L	3/4" x 8'	0.673" - 0.683"	10 mil	10.10 lbs	50	150		UL, RUS
GRCC-3410L	3/4" x 10'	0.673" - 0.683"	10 mil	12.55 lbs	50	150		UL, RUS
GRCC-5808L13	5/8" x 8'	0.555" - 0.565"	13 mil	6.80 lbs	100	500	97"x35"x12"	UL, RUS

Ordering information: THREADED (UNC Threads) and POINTED								
Part #	Diameter x Length	Actual Diameter (Ø)	Copper Thickness	Unit Weight	Master Bundle	Pallet Quantity	Pallet Dimensions	Complies With Certifications
GRCC-T1208L	1/2" x 8'	0.500" - 0.510"	10 mil	5.38 lbs	100	500		UL
GRCC-T1210L	1/2" x 10'	0.500" - 0.510"	10 mil	6.73 lbs	100	500		UL
GRCC-T5808L	5/8" x 8'	0.555" - 0.565"	10 mil	6.78 lbs	100	300	97"x35"x12"	UL, RUS
GRCC-T5810L	5/8" x 10'	0.555" - 0.565"	10 mil	8.48 lbs	100	300	121"x35"x12"	UL, RUS
GRCC-T3408L	3/4" x 8'	0.673" - 0.683"	10 mil	10.10 lbs	50	150		UL, RUS
GRCC-T3410L	3/4" x 10'	0.673" - 0.683"	10 mil	12.55 lbs	50	150		UL, RUS
GRCC-T5808L13	5/8" x 8'	0.555" - 0.565"	13 mil	6.80 lbs	100	500	97"x35"x12"	UL, RUS
GRCC-T5810L13	5/8" x 10'	0.555" - 0.565"	13 mil	8.50 lbs	100	500	121"x35"x12"	UL, RUS



### Matching Accessory: Copper-Bonded Ground Rod Clamp

Part #: GRC-SD58L

- Fits 5/8" dia ground rods
- Materials: Bronze clamp, copper alloy clamp, electrolytic zinc-plated steel fittings
- Application Tools: Spanner set or open-ended wrench (not provided)
- UL Listed