

## COPPER BONDED STEEL GROUND RODS SECTIONAL AND TAPERED

### KEY FEATURES

- High strength steel core with molecularly bonded 99.9 % pure copper layer
- Excellent coating adhesion - remains intact when driven or bent
- Couplings available for both tapered and sectional ground rods
- Length: 4, 5, 6, 8, 10 feet (customization possible)
- Sizes: 1/2", 5/8" & 3/4"
- Copper plating thickness of 10 and 13 mil

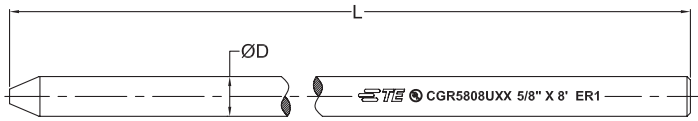
TE Connectivity's (TE) ground rods are a key component in an electrical grounding installation which dissipates any fault current safely into surrounding ground and helps prevent damage to facility, equipment and shock hazards to people and livestock in vicinity. Ground rods are also used to control voltage distribution in the ground for step and touch voltage mitigation.

The ground rods are manufactured from high strength steel which allows the rods to be driven deep into ground. The thickness of the copper layer is minimum 10 mil for all UL Listed rods which also ensures adequate corrosion protection for the rod.

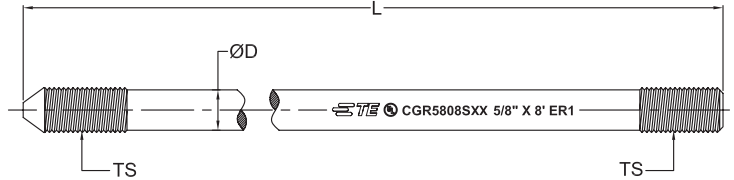
Ground rods of lengths 8 and 10 feet are UL Listed and qualified consistently for coating thickness, adhesion and bend test as stipulated by UL 467.

**Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.**

## Copper Bonded Steel Ground Rods Sectional and Tapered



Tapered



Sectional

### HOW TO ORDER

Ground Rod Type/Material	Code
Copper Clad Steel Ground Rod	CGR

Diameter for CuClad	Code
Full 1/2" diameter	12
nominal 5/8" diameter	58
nominal 3/4" diameter	34

Length	Code
4' long	04
5' long	05
6' long	06
8' long	08
10' long	10

End Type	Code
Tapered (unthreaded)	U
Sectional (threaded)	S

Cu thickness	Code
10 mil plating	10
13 mil plating	13

TAPERED ROD					
TE Product Code	Nominal Diameter (In)	Length L Ft (m)	Plating Thickness mil	Actual Diameter ØD mm (in)	Weight per rod lb (Kg)
CGR1204U10	1/2	4 (1.22)	10	0.5 (12.7)	2.73 (1.24)
CGR1205U10	1/2	5 (1.5)	10	0.5 (12.7)	3.39 (1.54)
CGR1205U13	1/2	5 (1.5)	13	0.5 (12.7)	3.39 (1.54)
CGR1206U10	1/2	6 (1.8)	10	0.5 (12.7)	4.08 (1.85)
CGR1208U10*	1/2	8 (2.4)	10	0.5 (12.7)	5.40 (2.45)
CGR1210U10*	1/2	10 (3.05)	10	0.5 (12.7)	6.75 (3.06)
CGR5804U10	5/8	4 (1.22)	10	0.56 (14.2)	3.37 (1.53)
CGR5805U10	5/8	5 (1.5)	10	0.56 (14.2)	4.23 (1.92)
CGR5806U10	5/8	6 (1.8)	10	0.56 (14.2)	5.07 (2.3)
CGR5808U10*	5/8	8 (2.4)	10	0.56 (14.2)	6.83 (3.1)
CGR5808U13*	5/8	8 (2.4)	13	0.56 (14.2)	6.83 (3.1)
CGR5810U10*	5/8	10 (3.05)	10	0.56 (14.2)	8.51 (3.86)
CGR5810U13*	5/8	10 (3.05)	13	0.56 (14.2)	8.51 (3.86)
CGR3404U10	3/4	4 (1.2)	10	0.68 (17.3)	5.05 (2.29)
CGR3405U10	3/4	5 (1.5)	10	0.68 (17.3)	6.26 (2.84)
CGR3406U10	3/4	6 (1.8)	10	0.68 (17.3)	7.47 (3.39)
CGR3408U10*	3/4	8 (2.4)	10	0.68 (17.3)	10.05 (4.56)
CGR3408U13*	3/4	8 (2.4)	13	0.68 (17.3)	10.05 (4.56)
CGR3410U10*	3/4	10 (3.05)	10	0.68 (17.3)	12.65 (5.74)
CGR3410U13*	3/4	10 (3.05)	13	0.68 (17.3)	12.65 (5.74)

SECTIONAL ROD						
TE Product Code	Nominal Diameter (In)	Length L Ft (m)	Plating Thickness (mil)	Actual Diameter ØD in (mm)	Thread Size TS (UNC)	Weight per rod lb (Kg)
CGR1204S10	1/2	4 (1.22)	10	0.5 (12.7)	9/16	2.75 (1.25)
CGR1205S10	1/2	5 (1.5)	10	0.5 (12.7)	9/16	3.42 (1.55)
CGR1206S10	1/2	6 (1.8)	10	0.5 (12.7)	9/16	4.08 (1.85)
CGR1208S10*	1/2	8 (2.4)	10	0.5 (12.7)	9/16	5.49 (2.49)
CGR1210S10*	1/2	10 (3.05)	10	0.5 (12.7)	9/16	6.85 (3.11)
CGR5804S10	5/8	4 (1.22)	10	0.56 (14.2)	5/8	3.44 (1.56)
CGR5805S10	5/8	5 (1.5)	10	0.56 (14.2)	5/8	4.23 (1.92)
CGR5806S10	5/8	6 (1.8)	10	0.56 (14.2)	5/8	5.07 (2.3)
CGR5808S10*	5/8	8 (2.4)	10	0.56 (14.2)	5/8	6.83 (3.1)
CGR5808S13*	5/8	8 (2.4)	13	0.56 (14.2)	5/8	6.83 (3.1)
CGR5810S10*	5/8	10 (3.05)	10	0.56 (14.2)	5/8	8.53 (3.87)
CGR5810S13*	5/8	10 (3.05)	13	0.56 (14.2)	5/8	8.53 (3.87)
CGR3404S10	3/4	4 (1.2)	10	0.68 (17.3)	3/4	5.05 (2.29)
CGR3405S10	3/4	5 (1.5)	10	0.68 (17.3)	3/4	6.26 (2.84)
CGR3406S10	3/4	6 (1.8)	10	0.68 (17.3)	3/4	7.47 (3.39)
CGR3408S10*	3/4	8 (2.4)	10	0.68 (17.3)	3/4	10.07 (4.57)
CGR3410S10*	3/4	10 (3.05)	10	0.68 (17.3)	3/4	12.54 (5.69)

Example		
Sectional	CGR5808S10	CuClad Steel Grd Rod, 5/8" x 8' long, sectional, 10 mil
Tapered	CGR5808U13	CuClad Steel Grd Rod, 5/8" x 8' long, tapered, 13 mil

\*cUL Listing applies only to 10' rods Packaging:  
5/8" and 1/2" rods Sub-bundles of 10 rods, main bundle of 100 rods.  
3/4" rods sub-bundles of 10 rods, Main bundle of 50 rods.

**UL**  
LISTED  
File # KDER7.E358300

[te.com/energy](http://te.com/energy)

© 2020 TE Connectivity. All Rights Reserved. EPP-3215-DDS-01/20-AMS-Ground-Rod-TE

TE Connectivity and TE connectivity (logo) are trademarks. Other logos, product and/or company names might be trademarks of their respective owners. While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

### FOR MORE INFORMATION: TE Technical Support Centers

USA: + 1 800 327 6996  
Canada: + 1 (905) 475-6222  
Mexico: + 52 (0) 55-1106-0800  
Latin/S. America: + 54 (0) 11-4733-2200  
France: + 33 380 583 200  
UK: + 44 0870 870 7500  
Germany: + 49 896 089 903  
Spain: + 34 916 630 400  
Italy: + 39 333 250 0915  
Benelux: +32 16 508 695  
Russia: +7 495-790 790 2-200  
China: + 86 (0) 400-820-6015