Copper-Bonded Ground Rod, Threaded

The nVent ERICO Copper-Bonded Ground Rod, Threaded is engineered to deliver reliable grounding performance while supporting deeper grounding installations through threaded couplings. Manufactured with a high-strength steel core and a molecularly bonded copper coating, the rod combines the mechanical strength required for driving with the corrosion resistance needed for long service life. It's [FC1.1]cold-rolled thread design maintains continuous grain flow, preserving the copper coating and creating threads that are stronger than cut threads. The result is a durable grounding solution that provides dependable performance in a wide range of grounding and bonding applications.

FEATURES

- Part of the Color Smart Ground Rod System
- Cold-rolled threads with continuous, unbroken grain flow preserve the copper coating and are stronger than cut threads
- 99.9% pure electrolytic copper coating provides excellent conductivity
- High-carbon steel core and tip deliver superior strength during installation and driving
- Copper coating will not crack when bent or tear when driven
- Minimum 10 mil copper coating on rods listed to UL® 467
- Roll-stamped product identification supports traceability and inspection after installation
- Available with threaded configurations to support sectional grounding installations and rod coupling
- Manufactured with high-strength copper-bonded steel construction

Material: Copper-Bonded Steel
Tensile Strength: 552 MPa Min

SPECIFICATIONS

Table 1/2

Catalog Number	Article Number	Color	Thread Location	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual (Ø)	Thread Size (TS)
625850	625850	Silver	Chamfered (Non-Pointed) End Only	5/8"	14.2 mm	5/8" UNC

Catalog Number	Article Number	Color	Thread Location	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual (Ø)	Thread Size (TS)
631300		Green	Pointed and Chamfered Ends	1/2"	12.8 mm	9/16" UNC
631303		Green	Pointed and Chamfered Ends	1/2"	12.8 mm	9/16" UNC
631340		Green	Pointed and Chamfered Ends	1/2"	12.8 mm	9/16" UNC
631350		Green	Pointed and Chamfered Ends	1/2"	12.8 mm	9/16" UNC
631360		Green	Pointed and Chamfered Ends	1/2"	12.8 mm	9/16" UNC
631380		Green	Pointed and Chamfered Ends	1/2"	12.8 mm	9/16" UNC
633400		Yellow	Pointed and Chamfered Ends	3/4"	17.3 mm	3/4" UNC
633403		Yellow	Pointed and Chamfered Ends	3/4"	17.3 mm	3/4" UNC
633415			Pointed and Chamfered Ends	3/4"	17.3 mm	3/4" UNC
633430		Yellow	Pointed and Chamfered Ends	3/4"	17.3 mm	3/4" UNC
6334330		Yellow	Pointed and Chamfered Ends	3/4"	17.3 mm	3/4" UNC
633440		Yellow	Pointed and Chamfered Ends	3/4"	17.3 mm	3/4" UNC
633450		Yellow	Pointed and Chamfered Ends	3/4"	17.3 mm	3/4" UNC
633460		Yellow	Pointed and Chamfered Ends	3/4"	17.3 mm	3/4" UNC
633463		Yellow	Pointed and Chamfered Ends	3/4"	17.3 mm	3/4" UNC
633470		Yellow	Pointed and Chamfered Ends	3/4"	17.3 mm	3/4" UNC
633480	633480	Yellow	Pointed and Chamfered Ends	3/4"	17.3 mm	3/4" UNC
634400			Pointed and Chamfered Ends	1"	23.2 mm	1" UNC
635800		Silver	Pointed and Chamfered Ends	5/8"	14.2 mm	5/8" UNC

Table 2/2

Catalog Number	Article Number	Color	Thread Location	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual (Ø)	Thread Size (TS)
635803		Silver	Pointed and Chamfered Ends	5/8"	14.2 mm	5/8" UNC
635830		Silver	Pointed and Chamfered Ends	5/8"	14.2 mm	5/8" UNC
635840		Silver	Pointed and Chamfered Ends	5/8"	14.2 mm	5/8" UNC
635843		Silver	Pointed and Chamfered Ends	5/8"	14.2 mm	5/8" UNC
635850		Silver	Pointed and Chamfered Ends	5/8"	14.2 mm	5/8" UNC
635860		Silver	Pointed and Chamfered Ends	5/8"	14.2 mm	5/8" UNC
6358660		Silver	Pointed and Chamfered Ends	5/8"	14.2 mm	5/8" UNC
635870		Silver	Pointed and Chamfered Ends	5/8"	14.2 mm	5/8" UNC
635880	635880	Silver	Pointed and Chamfered Ends	5/8"	14.2 mm	5/8" UNC
635883		Silver	Pointed and Chamfered Ends	5/8"	14.2 mm	5/8" UNC

Table 1/2

Catalog Number	Article Number	Length (L)	Plating Thickness	Unit Weight	Complies With	Certifications
625850	625850	1.5m	254µm	1.9 kg	IEC® EN 62561-2	
631300		3m	254µm	3.1 kg	ANSI®/NEMA® GR1	CSA-US, CSA, UL, cUL
631303		3m	330µm	3.2 kg	ANSI®/NEMA® GR1	cUL, UL
631340		1.2m	254µm	1.2 kg		
631350		1.5m	254µm	1.6 kg		
631360		1.8m	254µm	1.9 kg		
631380		2.4m	254µm	2.4 kg	ANSI®/NEMA® GR1	UL
633400		3m	254µm	5.7 kg	ANSI®/NEMA® GR1, IEC® EN 62561-2	UL, cUL, RUS, CSA-US, CSA
633403		3m	330µm	5.7 kg	ANSI®/NEMA® GR1, IEC® EN 62561-2	cUL, UL
633415		4.6m	254µm	8.5 kg	ANSI®/NEMA® GR1, IEC® EN 62561-2	UL, cUL

Catalog Number	Article Number	Length (L)	Plating Thickness	Unit Weight	Complies With	Certifications
633430		0.9m	254µm	1.7 kg	IEC® EN 62561-2	
6334330		1m	254µm	2.79 kg	IEC® EN 62561-2	
633440		1.2m	254µm	2.2 kg	IEC® EN 62561-2	
633450		1.5m	254µm	2.8 kg	IEC® EN 62561-2	
633460		1.8m	254µm	3.2 kg	IEC® EN 62561-2	
633463		1.8m	330µm	3.2 kg	IEC® EN 62561-2	
633470		2.1m	254µm	3.9 kg	IEC® EN 62561-2	
633480	633480	2.4m	254µm	4.4 kg	ANSI®/NEMA® GR1, IEC® EN 62561-2	UL, RUS
634400		3m	254µm	10 kg	ANSI®/NEMA® GR1	CSA-US, UL, cUL, CSA
635800		3m	254µm	3.8 kg	ANSI®/NEMA® GR1, IEC® EN 62561-2	CSA, RUS, CSA-US, cUL, UL

Table 2/2

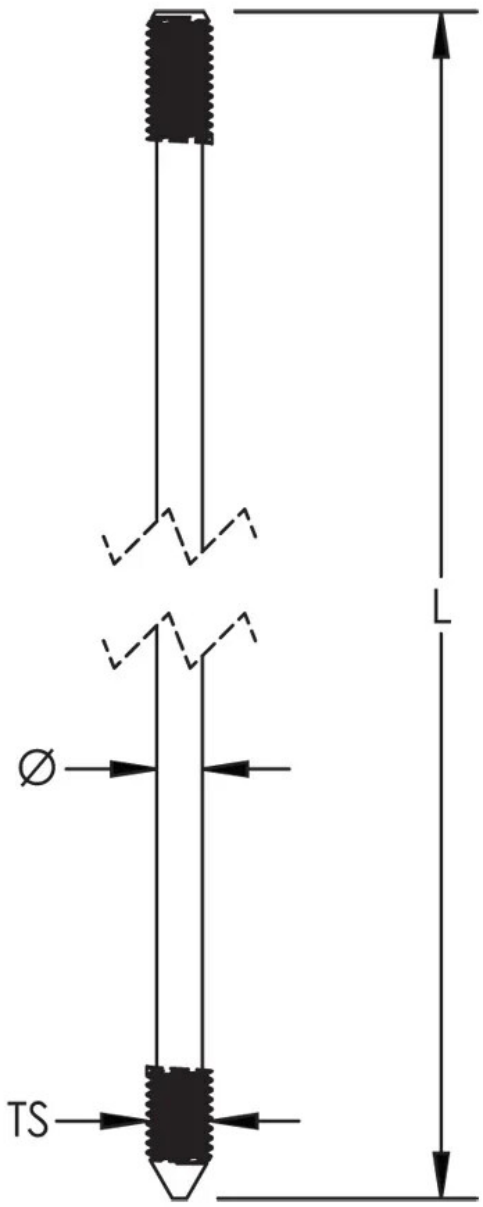
Catalog Number	Article Number	Length (L)	Plating Thickness	Unit Weight	Complies With	Certificatio ns
635803		3m	330µm	3.9 kg	ANSI®/NEMA® GR1, IEC® EN 62561-2	RUS, UL, cUL
635830		0.9m	254µm	1.2 kg	IEC® EN 62561-2	
635840		1.2m	254µm	1.5 kg	IEC® EN 62561-2	
635843		1.2m	330µm	1.5 kg	IEC® EN 62561-2	
635850		1.5m	254µm	1.9 kg	IEC® EN 62561-2	
635860		1.8m	254µm	2.3 kg	IEC® EN 62561-2	
6358660		2m	254µm	2.48 kg	IEC® EN 62561-2	
635870		2.1m	254µm	2.9 kg	IEC® EN 62561-2	
635880	635880	2.4m	254µm	3 kg	ANSI®/NEMA® GR1, IEC® EN 62561-2	RUS, UL
635883		2.4m	330µm	3 kg	ANSI®/NEMA® GR1, IEC® EN 62561-2	RUS, UL

ADDITIONAL PRODUCT DETAILS

For rods to be listed to UL® 467, they must be at least 8' (2.44 m) in length.

IEC® EN 62561-2 supercedes EN 50164-2.

DIAGRAMS



WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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