

# Copper-Bonded Ground Rod, Pointed



## CERTIFICATIONS



## FEATURES

99.9% pure electrolytic copper coating

Rods have a high carbon steel core and tip that provide superior strength when driving

Copper coating will not crack when bent or tear when driven

Minimum copper coating of 10 mils on rods listed to UL® 467

nVent ERICO name, length, diameter and part number is roll-stamped within 12" (304,8 mm) of chamfered end

UL logo and control number where applicable stamped on each rod for easy inspection after installation

Molecular bond to nickel-sealed high strength steel core

## SPECIFICATIONS

**Material:** Copper-Bonded Steel

Table 1/2

| Catalog Number | Article Number | Tensile Strength | Ground Rod Diameter, Nominal | Ground Rod Diameter, Actual (Ø) | Length (L) | Plating Thickness |
|----------------|----------------|------------------|------------------------------|---------------------------------|------------|-------------------|
| 613840         |                | 552 MPa Min      | 3/8"                         | 9 mm                            | 1.2m       | 254µm             |

| CatalogNumber | Article Number | Tensile Strength | Ground Rod Diameter, Nominal | Ground Rod Diameter, Actual (Ø) | Length (L) | Plating Thickness |
|---------------|----------------|------------------|------------------------------|---------------------------------|------------|-------------------|
| 613850        |                | 552 MPa Min      | 3/8"                         | 9 mm                            | 1.5m       | 254µm             |
| 613860        |                | 552 MPa Min      | 3/8"                         | 9 mm                            | 1.8m       | 254µm             |
| 613880        |                | 552 MPa Min      | 3/8"                         | 9 mm                            | 2.4m       | 254µm             |
| 611300        | 611300         | 552 MPa Min      | 1/2"                         | 12.8 mm                         | 3m         | 254µm             |
| 611303        |                | 552 MPa Min      | 1/2"                         | 12.8 mm                         | 3m         | 330µm             |
| 611330        |                | 552 MPa Min      | 1/2"                         | 12.8 mm                         | 0.9m       | 254µm             |
| 6113330       |                | 552 MPa Min      | 1/2"                         | 12.8 mm                         | 1m         | 254µm             |
| 611340        |                | 552 MPa Min      | 1/2"                         | 12.8 mm                         | 1.2m       | 254µm             |
| 611350        |                | 552 MPa Min      | 1/2"                         | 12.8 mm                         | 1.5m       | 254µm             |
| 611353        |                | 552 MPa Min      | 1/2"                         | 12.8 mm                         | 1.5m       | 330µm             |
| 611360        |                | 552 MPa Min      | 1/2"                         | 12.8 mm                         | 1.8m       | 254µm             |
| 611370        |                | 552 MPa Min      | 1/2"                         | 12.8 mm                         | 2.1m       | 254µm             |
| 611380        |                | 552 MPa Min      | 1/2"                         | 12.8 mm                         | 2.4m       | 254µm             |
| 615800        |                | 552 MPa Min      | 5/8"                         | 14.2 mm                         | 3m         | 254µm             |
| 615803        |                | 552 MPa Min      | 5/8"                         | 14.2 mm                         | 3m         | 330µm             |
| 615812        |                | 552 MPa Min      | 5/8"                         | 14.2 mm                         | 3.7m       | 254µm             |
| 615815        |                | 552 MPa Min      | 5/8"                         | 14.2 mm                         | 4.6m       | 254µm             |
| 615830        |                | 552 MPa Min      | 5/8"                         | 14.2 mm                         | 0.9m       | 254µm             |

| CatalogNumber | Article Number | Tensile Strength | Ground Rod Diameter, Nominal | Ground Rod Diameter, Actual (Ø) | Length (L) | Plating Thickness |
|---------------|----------------|------------------|------------------------------|---------------------------------|------------|-------------------|
| 6158330       |                | 552 MPa Min      | 5/8"                         | 14.2 mm                         | 1m         | 254µm             |
| 615840        |                | 552 MPa Min      | 5/8"                         | 14.2 mm                         | 1.2m       | 254µm             |
| 615843        |                | 552 MPa Min      | 5/8"                         | 14.2 mm                         | 1.2m       | 330µm             |
| 615850        |                | 552 MPa Min      | 5/8"                         | 14.2 mm                         | 1.5m       | 254µm             |
| 615853        |                | 552 MPa Min      | 5/8"                         | 14.2 mm                         | 1.5m       | 330µm             |
| 615860        |                | 552 MPa Min      | 5/8"                         | 14.2 mm                         | 1.8m       | 254µm             |
| 615863        |                | 552 MPa Min      | 5/8"                         | 14.2 mm                         | 1.8m       | 330µm             |
| 6158660       |                | 552 MPa Min      | 5/8"                         | 14.2 mm                         | 2m         | 254µm             |
| 615880        | 615880         | 552 MPa Min      | 5/8"                         | 14.2 mm                         | 2.4m       | 254µm             |
| 615883        |                | 552 MPa Min      | 5/8"                         | 14.2 mm                         | 2.4m       | 330µm             |
| 615950        |                | 552 MPa Min      | 5/8"                         | 16 mm                           | 1.5m       | 254µm             |
| 615900        |                | 552 MPa Min      | 5/8"                         | 16 mm                           | 3m         | 254µm             |
| 615980        |                | 552 MPa Min      | 5/8"                         | 16 mm                           | 2.4m       | 254µm             |
| 611600A       |                | 552 MPa          | 5/8"                         | 16 mm                           | 3m         | 254µm             |
| 613400        | 613400         | 552 MPa Min      | 3/4"                         | 17.3 mm                         | 3m         | 254µm             |
| 613403        |                | 552 MPa Min      | 3/4"                         | 17.3 mm                         | 3m         | 330µm             |
| 613412        |                | 552 MPa Min      | 3/4"                         | 17.3 mm                         | 3.7m       | 254µm             |
| 613415        |                | 552 MPa Min      | 3/4"                         | 17.3 mm                         | 4.6m       | 254µm             |

| CatalogNumber | Article Number | Tensile Strength | Ground Rod Diameter, Nominal | Ground Rod Diameter, Actual (Ø) | Length (L) | Plating Thickness |
|---------------|----------------|------------------|------------------------------|---------------------------------|------------|-------------------|
| 613440        |                | 552 MPa Min      | 3/4"                         | 17.3 mm                         | 1.2m       | 254µm             |
| 613450        |                | 552 MPa Min      | 3/4"                         | 17.3 mm                         | 1.5m       | 254µm             |
| 613460        |                | 552 MPa Min      | 3/4"                         | 17.3 mm                         | 1.8m       | 254µm             |
| 613470        |                | 552 MPa Min      | 3/4"                         | 17.3 mm                         | 2.1m       | 254µm             |
| 613480        | 613480         | 552 MPa Min      | 3/4"                         | 17.3 mm                         | 2.4m       | 254µm             |
| 613483        |                | 552 MPa Min      | 3/4"                         | 17.3 mm                         | 2.4m       | 330µm             |
| 612000A       |                | 552 MPa          | 3/4"                         | 20 mm                           | 3m         | 254µm             |
| 614400        |                | 552 MPa Min      | 1"                           | 23.2 mm                         | 3m         | 254µm             |
| 612500A       |                | 552 MPa          | 1"                           | 25 mm                           | 30m        | 254µm             |

Table 2/2

| Catalog Number | Article Number | Unit Weight | UPC Label | Complies With   | Certifications       |
|----------------|----------------|-------------|-----------|-----------------|----------------------|
| 613840         |                | 0.57 kg     | No        |                 |                      |
| 613850         |                | 0.73 kg     | No        |                 |                      |
| 613860         |                | 0.9 kg      | No        |                 |                      |
| 613880         |                | 1.23 kg     | No        |                 |                      |
| 611300         | 611300         | 3.11 kg     | No        | ANSI®/NEMA® GR1 | CSA, cUL, UL, CSA-US |
| 611303         |                | 3.35 kg     | No        | ANSI®/NEMA® GR1 | UL, cUL              |
| 611330         |                | 0.98 kg     | No        |                 |                      |

| Catalog Number | Article Number | Unit Weight | UPC Label | Complies With                          | Certifications               |
|----------------|----------------|-------------|-----------|----------------------------------------|------------------------------|
| 6113330        |                | 1 kg        | No        | IEC® EN 62561-2                        |                              |
| 611340         |                | 1.26 kg     | No        |                                        |                              |
| 611350         |                | 1.57 kg     | No        |                                        |                              |
| 611353         |                | 1.67 kg     | No        |                                        |                              |
| 611360         |                | 2.01 kg     | No        |                                        |                              |
| 611370         |                | 2.11 kg     | No        | IEC® EN 62561-2                        |                              |
| 611380         |                | 2.51 kg     | No        | ANSI®/NEMA®<br>GR1                     | UL                           |
| 615800         |                | 3.85 kg     | No        | IEC® EN 62561-2,<br>ANSI®/NEMA®<br>GR1 | CSA, CSA-US, RUS,<br>UL, cUL |
| 615803         |                | 3.83 kg     | No        | IEC® EN 62561-2,<br>ANSI®/NEMA®<br>GR1 | UL, cUL                      |
| 615812         |                | 4.54 kg     | No        | IEC® EN 62561-2,<br>ANSI®/NEMA®<br>GR1 | cUL, UL                      |
| 615815         |                | 5.78 kg     | No        | IEC® EN 62561-2,<br>ANSI®/NEMA®<br>GR1 | cUL, UL                      |
| 615830         |                | 1.13 kg     | No        | IEC® EN 62561-2                        |                              |
| 6158330        |                | 1.24 kg     | No        | IEC® EN 62561-2                        |                              |
| 615840         |                | 1.54 kg     | No        | IEC® EN 62561-2                        |                              |
| 615843         |                | 1.54 kg     | No        | IEC® EN 62561-2                        |                              |
| 615850         |                | 1.92 kg     | No        | IEC® EN 62561-2                        |                              |
| 615853         |                | 2.04 kg     | No        | IEC® EN 62561-2                        |                              |

| Catalog Number | Article Number | Unit Weight | UPC Label | Complies With                          | Certifications               |
|----------------|----------------|-------------|-----------|----------------------------------------|------------------------------|
| 615860         |                | 2.3 kg      | No        | IEC® EN 62561-2                        |                              |
| 615863         |                | 2.45 kg     | No        | IEC® EN 62561-2                        |                              |
| 6158660        |                | 2.48 kg     | No        | IEC® EN 62561-2                        |                              |
| 615880         | 615880         | 3.07 kg     | No        | IEC® EN 62561-2,<br>ANSI®/NEMA®<br>GR1 | UL, RUS                      |
| 615883         |                | 3.08 kg     | No        | IEC® EN 62561-2,<br>ANSI®/NEMA®<br>GR1 | UL, RUS                      |
| 615950         |                | 2.35 kg     | No        |                                        |                              |
| 615900         |                | 4.76 kg     | No        | IEC® EN 62561-2,<br>ANSI®/NEMA®<br>GR1 | UL, cUL                      |
| 615980         |                | 3.87 kg     | No        | IEC® EN 62561-2,<br>ANSI®/NEMA®<br>GR1 | UL                           |
| 611600A        |                | 5.085 kg    | Yes       | IEC® EN 62561-2                        |                              |
| 613400         | 613400         | 5.72 kg     | No        | IEC® EN 62561-2,<br>ANSI®/NEMA®<br>GR1 | CSA-US, RUS, UL,<br>CSA, cUL |
| 613403         |                | 5.63 kg     | No        | IEC® EN 62561-2,<br>ANSI®/NEMA®<br>GR1 | UL, cUL                      |
| 613412         |                | 6.77 kg     | No        | IEC® EN 62561-2,<br>ANSI®/NEMA®<br>GR1 | cUL, UL                      |
| 613415         |                | 8.39 kg     | No        | IEC® EN 62561-2,<br>ANSI®/NEMA®<br>GR1 | UL, cUL                      |
| 613440         |                | 2.55 kg     | No        | IEC® EN 62561-2                        |                              |
| 613450         |                | 2.81 kg     | No        | IEC® EN 62561-2                        |                              |
| 613460         |                | 3.4 kg      | No        | IEC® EN 62561-2                        |                              |

| Catalog Number | Article Number | Unit Weight | UPC Label | Complies With                          | Certifications          |
|----------------|----------------|-------------|-----------|----------------------------------------|-------------------------|
| 613470         |                | 3.83 kg     | No        | IEC® EN 62561-2                        |                         |
| 613480         | 613480         | 4.56 kg     | No        | IEC® EN 62561-2,<br>ANSI®/NEMA®<br>GR1 | RUS, UL                 |
| 613483         |                | 4.54 kg     | No        | IEC® EN 62561-2,<br>ANSI®/NEMA®<br>GR1 | UL                      |
| 612000A        |                | 7.8 kg      | Yes       | IEC® EN 62561-2                        |                         |
| 614400         |                | 10 kg       | No        | ANSI®/NEMA®<br>GR1                     | UL, CSA-US, cUL,<br>CSA |
| 612500A        |                | 12.1 kg     | Yes       | IEC® EN 62561-2                        |                         |

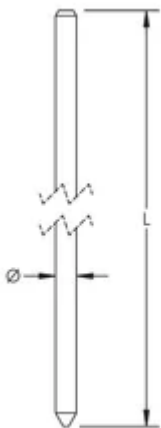
## ADDITIONAL PRODUCT DETAILS

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.

Additional lengths available.

## 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](http://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](http://www.P65Warnings.ca.gov).

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