

nVent ERICO PermaGround Compression Connector, Thin Wall C-Crimp



The nVent ERICO PermaGround Compression Connector, Thin Wall C-Crimp, is a versatile and dependable solution for grounding, bonding, and power applications. This connector is made from high-conductivity copper, ensuring maximum conductivity and low contact resistance. It is suitable for circuits rated at 35KV or less, provided that proper high-voltage spacing and insulation techniques are applied. The connector's bright dip finish not only enhances its appearance but also offers excellent resistance to corrosion and oxidation. It is designed for direct burial, making it a reliable choice for various applications.

CERTIFICATIONS



FEATURES

Marked with wire size, die index, and part number for clear and easy identification

Range-taking capability reduces stocking inventory and offers application versatility

Suitable for use in circuits rated 35KV or less with proper high voltage spacing and insulation techniques

Bright dip finish for enhanced appearance and corrosion resistance

SPECIFICATIONS

Table 1/2

| Catalog Number | Material | Conductor Type | Main/Run Conductor Range | Tap Conductor Range | Connection Type | Number of Crimps |
|----------------|----------|-----------------|--------------------------|---------------------|-----------------|------------------|
| TWCTR10T16 | Copper | Solid, Stranded | 14 - 10 AWG | 16 - 14 AWG | Crimp | 1 |
| TWCTR8T12 | Copper | Solid, Stranded | 10 - 8 AWG | 12 - 10 AWG | Crimp | 1 |

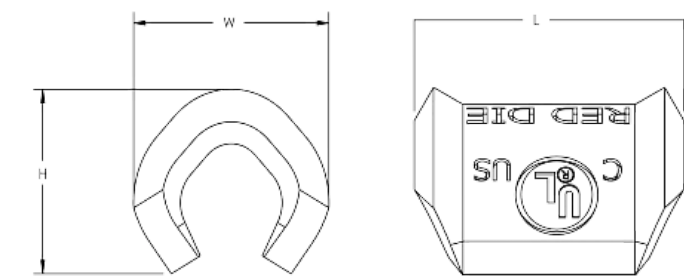
| CatalogNumber | Material | ConductorType | Main/Run Conductor Range | Tap Conductor Range | Connection Type | Number of Crimps |
|---------------|----------|-----------------|--------------------------------|------------------------|--------------------|---------------------|
| TWCTR6T12 | Copper | Solid, Stranded | 8 - 6 AWG | 12 - 8 AWG | Crimp | 1 |
| TWCTR4T12 | Copper | Solid, Stranded | 6 - 4 AWG | 12 - 6 AWG | Crimp | 1 |
| TWCTR3T12 | Copper | Solid, Stranded | 5 - 3 AWG | 12 - 6 AWG | Crimp | 1 |
| TWCTR2T12 | Copper | Solid, Stranded | 4 - 2 AWG | 12 - 4 AWG | Crimp | 1 |
| TWCTR1T12 | Copper | Solid, Stranded | 3 - 1 AWG | 12 - 3 AWG | Crimp | 1 |
| TWCTR1/0T12 | Copper | Solid, Stranded | 2 - 1/0 AWG | 12 - 2 AWG | Crimp | 1 |
| TWCTR2/0T12 | Copper | Solid, Stranded | 1 - 2/0 AWG | 12 - 1 AWG | Crimp | 1 |
| TWCTR3/0T12 | Copper | Solid, Stranded | 1/0 - 3/0 AWG | 12 - 1/0 AWG | Crimp | 1 |

Table 2/2

| Catalog Number | Die Index | Length (L) | Width (W) | Height (H) | Unit Weight | Direct Burial |
|-------------------|-----------|------------|-----------|------------|-------------|---------------|
| TWCTR10T16 | W21 | 0.42" | 0.293" | 0.361" | 0.004 lb | Yes |
| TWCTR8T12 | W24 | 0.62" | 0.354" | 0.459" | 0.008 lb | Yes |
| TWCTR6T12 | W29 | 0.62" | 0.445" | 0.554" | 0.011 lb | Yes |
| TWCTR4T12 | W33 | 1.21" | 0.501" | 0.617" | 0.027 lb | Yes |
| TWCTR3T12 | W37 | 1.206" | 0.573" | 0.721" | 0.037 lb | Yes |
| TWCTR2T12 | W42 | 1.21" | 0.648" | 0.798" | 0.045 lb | Yes |
| TWCTR1T12 | W45 | 1.75" | 0.659" | 0.822" | 0.068 lb | Yes |
| TWCTR1/0T12 | W50 | 1.75" | 0.755" | 0.948" | 0.085 lb | Yes |

| CatalogNumber | Die Index | Length (L) | Width (W) | Height (H) | Unit Weight | Direct Burial |
|---------------|-----------|------------|-----------|------------|-------------|---------------|
| TWCTR2/0T12 | W54 | 1.75" | 0.789" | 0.982" | 0.089 lb | Yes |
| TWCTR3/0T12 | W62 | 1.75" | 0.886" | 1.102" | 0.104 lb | Yes |

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.

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