

# Earthbridge DB, One Stud, Insulated Cable, Straight



Earthbridges are assemblies made from a high-quality conductive earthpoint (connecting terminal) and various types of conductors. The nVent ERICO Cadweld exothermic connection process is used to combine them together, forming a highly corrosion resistant and long-lasting assembly.

## DIAGRAMS



## FEATURES

Long-lasting design

Low ground resistance and impedance

Superior electrical conductivity and resistance to corrosion

Electrically and mechanically robust and reliable

Easy to install

## SPECIFICATIONS

**Material:** Copper  
**Earthpoint Type:** DB, One Stud

Table 1/2

| Catalog Number | Article Number | Type | Conductor Type | Conductor Size | Length (L) | Diameter (Ø) |
|----------------|----------------|------|----------------|----------------|------------|--------------|
|----------------|----------------|------|----------------|----------------|------------|--------------|

|               |        |      |                                        |                             |        |       |
|---------------|--------|------|----------------------------------------|-----------------------------|--------|-------|
| DB10C5005     | 166480 | DBCS | Yellow-Green Insulated Cable, Straight | 50 mm <sup>2</sup> Stranded | 500mm  | 50 mm |
| DB10C501      | 166490 | DBCS | Yellow-Green Insulated Cable, Straight | 50 mm <sup>2</sup> Stranded | 1000mm | 50 mm |
| DB10C502      | 166500 | DBCS | Yellow-Green Insulated Cable, Straight | 50 mm <sup>2</sup> Stranded | 2000mm | 50 mm |
| DB10C701000   |        | DBCS | Yellow-Green Insulated Cable, Straight | 70 mm <sup>2</sup> Stranded | 1000mm | 50 mm |
| DB10C701500   |        | DBCS | Yellow-Green Insulated Cable, Straight | 70 mm <sup>2</sup> Stranded | 1500mm | 50 mm |
| DB10C702000   |        | DBCS | Yellow-Green Insulated Cable, Straight | 70 mm <sup>2</sup> Stranded | 2000mm | 50 mm |
| DB10C70500    |        | DBCS | Yellow-Green Insulated Cable, Straight | 70 mm <sup>2</sup> Stranded | 500mm  | 50 mm |
| DB10C50S050H  |        | DBCS | Yellow-Green Insulated Cable, Straight | 50 mm <sup>2</sup> Stranded | 500mm  | 50 mm |
| DB10C50S100HC |        | DBCS | Yellow-Green Insulated Cable, Straight | 50 mm <sup>2</sup> Stranded | 1000mm | 50 mm |
| DB10C70S050H  |        | DBCS | Yellow-Green Insulated Cable, Straight | 70 mm <sup>2</sup> Stranded | 500mm  | 50 mm |
| DB16N70S050C  |        | DBNS | NY-Y-0 cable                           | 70 mm <sup>2</sup> Stranded | 500mm  | 50 mm |
| DB16N70S100C  |        | DBNS | NY-Y-0 cable                           | 70 mm <sup>2</sup> Stranded | 1000mm | 50 mm |
| DB16N95S050C  |        | DBNS | NY-Y-0 cable                           | 95 mm <sup>2</sup> Stranded | 500mm  | 50 mm |
| DB16N95S100C  |        | DBNS | NY-Y-0 cable                           | 95 mm <sup>2</sup> Stranded | 1000mm | 50 mm |

Table 2/2

| Catalog Number | Article Number | Thread Size (TS) | Rebar Assembly Type | Hardware Included | Earthbridge Application | Complies With |
|----------------|----------------|------------------|---------------------|-------------------|-------------------------|---------------|
|----------------|----------------|------------------|---------------------|-------------------|-------------------------|---------------|

|                   |        |     |                     |     |          |                                                                                       |
|-------------------|--------|-----|---------------------|-----|----------|---------------------------------------------------------------------------------------|
| DB10C5005         | 166480 | M10 | Cadweld or<br>Clamp | Yes | Building | EN IEC®<br>62561-1 Class<br>H 100kA                                                   |
| DB10C501          | 166490 | M10 | Cadweld or<br>Clamp | Yes | Building | EN IEC®<br>62561-1 Class<br>H 100kA                                                   |
| DB10C502          | 166500 | M10 | Cadweld or<br>Clamp | Yes | Building | EN IEC®<br>62561-1 Class<br>H 100kA                                                   |
| DB10C701000       |        | M10 | Cadweld or<br>Clamp | Yes | Building | EN IEC®<br>62561-1 Class<br>H 100kA                                                   |
| DB10C701500       |        | M10 | Cadweld or<br>Clamp | Yes | Building | EN IEC®<br>62561-1 Class<br>H 100kA                                                   |
| DB10C702000       |        | M10 | Cadweld or<br>Clamp | Yes | Building | EN IEC®<br>62561-1 Class<br>H 100kA                                                   |
| DB10C70500        |        | M10 | Cadweld or<br>Clamp | Yes | Building | EN IEC®<br>62561-1 Class<br>H 100kA                                                   |
| DB10C50S050H      |        | M10 | Cadweld or<br>Clamp | Yes | Building | EN IEC®<br>62561-1 Class<br>H 100kA                                                   |
| DB10C50S100H<br>C |        | M10 | Cadweld or<br>Clamp | Yes | Building | EN IEC®<br>62561-1 Class<br>H 100kA                                                   |
| DB10C70S050H      |        | M10 | Cadweld or<br>Clamp | Yes | Building | EN IEC®<br>62561-1 Class<br>H 100kA                                                   |
| DB16N70S050C      |        | M16 | Cadweld or<br>Clamp | No  | Building | RIL<br>997.02050A01 (Construction 1<br>Ik 25 kA), EN<br>IEC® 62561-1<br>Class H 100kA |
| DB16N70S100C      |        | M16 | Cadweld or<br>Clamp | No  | Building | RIL<br>997.02050A01 (Construction 1<br>Ik 25 kA), EN<br>IEC® 62561-1<br>Class H 100kA |

|              |  |     |                     |    |          |                                                                                         |
|--------------|--|-----|---------------------|----|----------|-----------------------------------------------------------------------------------------|
| DB16N95S050C |  | M16 | Cadweld or<br>Clamp | No | Building | RIL<br>997.02050A01 (Construction 2<br>Ik > 25 kA), EN<br>IEC® 62561-1<br>Class H 100kA |
| DB16N95S100C |  | M16 | Cadweld or<br>Clamp | No | Building | RIL<br>997.02050A01 (Construction 2<br>Ik > 25 kA), EN<br>IEC® 62561-1<br>Class H 100kA |

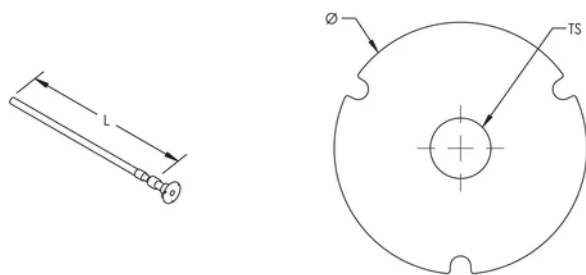
## ADDITIONAL PRODUCT DETAILS

---

Includes (1) brass bolt, (1) brass washer, (1) plastic cap, and (1) protective label.

| DB-16-C-70-S-050-C |                               |                                                                                                                                     |
|--------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| DB                 | Earth Point                   | DB: 1 hole<br>BT: 2 holes<br>BF: 4 holes<br>LU: M16 lug<br>TA: tape                                                                 |
| 16                 | Thread Size                   | 10: M10<br>12: M12<br>16: M16<br>40: Tape 40x5mm<br>30: Tape 30x4mm                                                                 |
| C                  | Conductor Type                | K: Steel Rond<br>C: Y/G Cable<br>T: Steel Bar<br>F: Steel Bar 4mm<br>N: NYY-O Cable<br>H: N2XH-0 Cable                              |
| 70                 | Conductor Size                | 12: D12mm<br>16: D16mm<br>30: 30x4mm<br>40: 40x5mm<br>50: 50mm <sup>2</sup><br>70: 70mm <sup>2</sup><br>95: 95mm <sup>2</sup>       |
| S                  | Conductor Angle               | S: 0°<br>P: 90°<br>A: 45°                                                                                                           |
| 050                | Length (cm)                   | xxx                                                                                                                                 |
| x                  | Termination (option if cable) | SR: Solid Round<br>EP: Earthpoint perpendicular<br>ES: Earthpoint straight<br>TA: Tape of 100mm<br>TP: Tape of 150mm<br>LU: M16 lug |
| x                  | Bolts & Washer                | - : No Hardware<br>H: With Hardware                                                                                                 |
| C                  | Packaging                     | - : by unit (Made-to-Stock)<br>C: 5 pieces (Made-to-Order)<br>G: 25 pieces (Made-to-Order)                                          |

## 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 lead, 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).

**North America**

+1.800.753.9221  
Option 1 – Customer Care  
Option 2 – Technical  
Support

**Europe**

Netherlands:  
+31 800-0200135  
France:  
+33 800 901 793

**Europe**

Germany:  
800 1890272  
Other Countries:  
+31 13 5835404

**APAC**

Shanghai:  
+ 86 21 2412 1618/19  
Sydney:  
+61 2 9751 8500



Our powerful portfolio of brands:

**CADDY   ERICO   HOFFMAN   ILSCO   SCHROFF   TRACHTE**