

# Common Bonding Network Jumper

## Features

- Secure mechanical and electrical connection with 2-hole lug
- Stranded wire allows for small radius bend
- Included hardware provides for complete assembly
- Green color wire insulation identifies bonding connection



A Common Bonding Network (CBN) Jumper is the electrical connection between the cabinet/rack bonding bus bar and the common bonding network, which can be below a raised floor (also called SRG or Signal Reference Grid) or overhead. The cabinet/rack bonding bus bar is the common location for all bonding connections within a cabinet or rack.

The CBN Jumper comprises a wire with a lug on one end. The other end is to be connected to the CBN, for example, by exothermic welding. The CBN Jumper Kit includes the hardware to attach the lug to the bonding bus bar.

The wire is a #6 AWG (16 mm<sup>2</sup>), 7-strand THW copper wire with green insulation, 9 feet (2.74 m) long.

The 2-hole, tinned copper lug (long barrel) is crimped to the wire. One hole is elongated, which allows for a center/center distance of 0.5" – 0.63" (12.7 - 16 mm). The lug is bent 45° at the onset of the compression tube.

The hardware is zinc-plated and bagged separately.

- (2) #12 - 24 x 1/2" long, combo hex head screws
- (2) #12 hex nuts
- (4) #12 flat washers

| Model     | Conductor Type | Cable Size                      | Cable Length     | Stranding | Lug Material     | Screw Type           | Screw Size | Standard Packaging Quantity |
|-----------|----------------|---------------------------------|------------------|-----------|------------------|----------------------|------------|-----------------------------|
| CBNJ09    | Copper         | #6 AWG<br>(16 mm <sup>2</sup> ) | 9 ft<br>(2.74 m) | 7-strand  | Tinned<br>Copper | Combo<br>Hex<br>Head | #12 - 24   | 25                          |
| CBNJ09P10 |                |                                 |                  |           |                  |                      |            | 50*                         |

\*Kit includes 5 packs of 10 wire and lug assemblies with hardware.

### WARNING

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

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# Cable Runway Ground Strap

## Features

- Requires less physical space than wires with lugs
- Eliminates the cost of lugs
- Direct connection provides better electrical contact and improved performance
- Excellent tensile strength
- Rounded ends - no fraying
- Reduces installation time
- Greater vibration and fatigue resistance
- Improves installation aesthetics
- Recommended for EMI protection
- Can be bent very close to contact area
- Working temperature up to 220° F (104° C)



A Cable Runway Ground Strap bonds cable tray, wire mesh tray, and cable runway components together and to the telecommunications grounding and bonding infrastructure (e.g., through cabinets and racks). This method offers a better electrical connection than wires with lugs.

The industry's usual solution is a #6 AWG (16 mm<sup>2</sup>) stranded wire with a two-hole lug on each end. ERICO® has gone one step further, in offering a gauge-equivalent tinned, electrolytic, woven copper braid with integral palms at each end with holes for attachment using ¼" (6.35 mm) hardware.

The hardware is zinc-plated and sold separately (part number: CRGS6HW); hardware includes 50 packs of the following set:

- (2) #12 - 24 x 1/2" long, combo hex head screws
- (2) #12 hex nuts
- (2) #12 flat washers
- (2) #12 lock washers

| Model  | Conductor Type | Length          | Cross-Sectional Equivalent  | Hole Diameter   | Standard Packaging Quantity |
|--------|----------------|-----------------|-----------------------------|-----------------|-----------------------------|
| CRGS6* | Braid          | 8 in (20.32 cm) | 6 AWG (16 mm <sup>2</sup> ) | 0.256 in (6 mm) | 50                          |

\*Hardware sold separately.

| Model   | Description                                 | Screw Type     | Screw Size | Standard Packaging Quantity |
|---------|---|----------------|------------|-----------------------------|
| CRGS6HW | Hardware Pack for Cable Runway Ground Strap | Combo Hex Head | #12 - 24   | 50                          |

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