



Equipment Specification
Document No.: 4350.171
Item No.: 002-14478
Asset Suite: 59064
Originating Department: Distribution Engineering



Figure 6 Grounding Compression Connector

1. Introduction

This is a general specification that covering the figure 6 grounding compression connector to be use on the distribution system in Puerto Rico. Further information will be provided by LUMA Energy at the time of order placement will provide information on site specific conditions, quantity, and other requirements. This document includes the general electrical and mechanical characteristics of the material.

2. Special Requirements

Samples shall be furnished as requested by LUMA Energy. Vendors that have supplied this material to PREPA/LUMA on previous orders, will not have to furnish samples at bid opening. The material will be received at the LUMA's general warehouse (011) at Palo Seco, Puerto Rico. Shipping will include transportation and unloading at the indicated warehouse.

3. Quantity/Literature

Descriptive and technical literature must be supplied by vendor at time of bidding. This literature may include, but is not limited to details of material, drawings, documented testing, and instructions for use and installation. Failure to submit documents on time will cause bidder disqualification. For products described in this specification as requiring qualification, awards will be made only for such products that, prior to the time for opening of bids, had been tested and/or approved by LUMA. Evidence of PREPA's and/or LUMA Energy's approval of the equipment or material shall be supplied by vendor if requested by LUMA Energy.

4. Markings

- 4.1. Containers shall be marked outside with LUMA Energy's purchase order, item number, name and size, net and gross weight, manufacturer's name, and lot number.
- 4.2. Packaging labels and tags shall be waterproof.

5. Equal or Approved Equal to

Burndy Corp., catalog number: YGHP29C29

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6. Packaging

All material and equipment shall be packaged and marked in such a way as to facilitate handling and protection from damage and that the receiving warehouse can readily identify it and send it, in one complete unit, to a field location without opening crates or boxes to sort items and/or parts.

7. Number Per Package (Logistics)

Standard package: Twenty-five (25) units per box as requested by LUMA.

8. Acceptance Criteria

- 8.1. Test required: certified by external laboratories.
- 8.2. Latest applicable codes, standards, and other regulations:
 - a. UL 467 Standard for grounding and bonding.
 - b. UL listed for direct burial in earth and concrete.
 - c. IEEE- 837 - Direction and methods for qualifying permanent connections used for substation grounding
 - d. CSA Approved
 - e. ROHS Compliance.

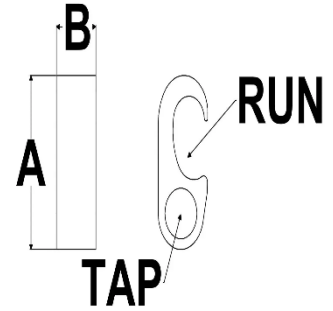
9. Description

- 9.1. An irreversible compression ground tap figure 6 type which can be used as a tap or splice connector, for grid cross connection, cable to ground rod, ground plates, and terminations.
- 9.2. Figure 6 type It is made with a tap hole and a run open C connector together.
- 9.3. The run opening must accommodate a conductor range sizes from 1/0 str. (0.372 mm) to 250 kcmil (0.575 mm) or a copper bonded ground rod of ½ in (12.70 mm). to 5/8 in. (15.87 mm).
- 9.4. The tap hole must accommodate a conductor range size from 3/0 str. (0.470 mm) to 250 kcmil (0.575 mm).
- 9.5. must be acceptable for direct burial in ground and concrete.
- 9.6. Must be prefilled with oxide inhibitor compound and strip sealed.

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- 9.7. Dimensions:
- a. A Length: 2.31 in (5.88 cm)
 - b. B Length: 0.75 in (1.90 cm).
 - c. Tap diameter: 0.575 in (1.46 cm).
- 9.8. Die index: 997
- 9.9. Product Material: Copper
- 9.10. Type of Planting: Unplanted



10. Inspection

The acceptance of any material or equipment shall in no way relieve the vendor from his responsibility to meet all the requirements of this specification, and it would not prevent subsequent rejection if such materials were found later to be defective.

— End of Specification —

Document History

Version	1
Date	1/11/2022
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