



Document Title:

Copper Split Bolt, 2 - 2/0 Str AWG Run & Tap

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Material Specifications

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4350.004

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Distribution Standards & Materials

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Sep 21, 2022

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Sep 21, 2022

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Document History

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Equipment Specification
Document No.: 4350.004
Item No.: 038-03620
Asset Suite: 58173
Originating Department: Distribution Engineering



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1. Introduction

This is a general specification that covers the minimum requirements for copper split bolt used in the distribution system in Puerto Rico. Further information will be provided by LUMA Energy at the time of order placement and 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 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 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 and item number.
- 4.2. Packaging labels and tags shall be waterproof.

5. Equal or Approved Equal to

Hubbell - Burndy (KS26).

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.



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7. Number Per Package (Logistics)

7.1. Standard package: Ten (10) units per box or as requested by LUMA Energy.

8. Acceptance Criteria

8.1. Test required: certified by external laboratories.

8.2. Latest applicable codes, standards, and other regulations:

UL 486 A & B: For single-polarity connectors for use with all alloys of copper or aluminum, or copper-clad aluminum conductors, or all three, for providing contacts between current-carrying parts.

9. Description

9.1. Copper split bolts are to be used to connect one cable to a copper rod for equipment ground.

9.2. Shall be for direct burial in earth and/or concrete.

9.3. Material: High Strength Copper Alloy

9.4. Dimensions:

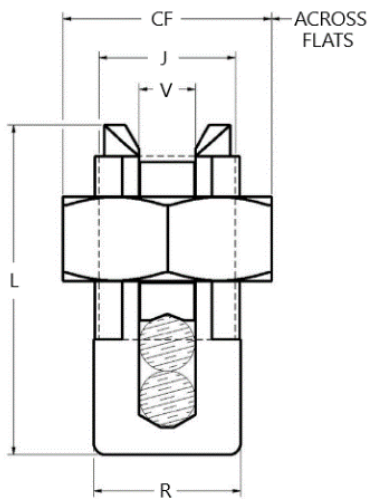


FIGURE 1

CF	1.05" (2.67 cm)
J	7/8" (2.22 cm)
V	0.44" (1.12 cm)
L	1.94" (4.93 cm)
R	0.82" (2.08 cm)



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9.5. Range for equal Run & Tap:

- | | | |
|----------------------------|---------|--------------------|
| a. Maximum Solid Cable: | 3/0 AWG | (0.410" = 10.4 mm) |
| b. Minimum Stranded Cable: | #2 AWG | (0.292" = 7.4 mm) |
| c. Maximum Stranded Cable: | 2/0 AWG | (0.418" = 10.6 mm) |

9.6. Minimum Tap with Maximum Cable Run: #14 AWG (0.073" = 1.8 mm)

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.

11. Proposal Information

11.1. Submitted proposals must include:

- a. Technical information
- b. Table of Compliance completed by the bidder with reference. (See Appendix 1)

— End of Specification —



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Appendix



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Appendix 1: Table of Compliance

Line	Criteria	Description	Pass/Fail (P/F)	Comments
1	Specification	The Proponent complies with the corresponding specification document 4350.004		
2	Industry Standards	The Proponent complies with the industry standards established in the specification document. (UL)		
3	Material	High Strength Copper Alloy		
4	Equal Run & Tap Cable Range	<ul style="list-style-type: none">• Solid: 3/0 AWG• Min. Stranded: #2 AWG• Max. Stranded: 2/0 AWG		
5	Min. Tap with Max. Cable Run	#14 AWG		
6	Dimensions as (FIGURE 1)	<ul style="list-style-type: none">• CF 1.05"• J 7/8"• V 0.44"• L 1.94"• R 0.82"		











4350.004 Copper Split Bolt (9-16-2022)

Final Audit Report

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