



Document Title:
Compression Tap-Crimpit Stirrup

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Department
Distribution

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Related/Referenced Documents

N/A.

Version History

| Version | Date | Revision |
|---------|---------------|------------------------------------------------------------------------------------|
| 01 | Nov. 23, 2021 | Initial release. |
| 02 | Apr 13, 2022 | General revision and Table of compliance created. |
| 03 | Jul. 19, 2024 | Format corrections, TOC update, Section 4 modified, and sections order rearranged. |



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Stirrup
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Department: Distribution

Item Version History

| Warehouse Catalog # | Asset Suite | Version | Date |
|---------------------|-------------|---------|------------|
| 002-14593 | 76635 | 3 | 07/19/2024 |
| 002-14601 | 76636 | 3 | 07/19/2024 |



1. Introduction

This is a general specification that covers the minimum requirements for the compression tap-crimp stirrup to be 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 equipment/material.

2. Special Requirements

Samples shall be furnished as requested by LUMA Energy. Vendors that have supplied this equipment/material to LUMA on previous orders will not have to furnish samples at bid opening. The equipment/material will be received at the LUMA's general warehouse (O11) at Palo Seco, Puerto Rico. Shipping will include transportation and unloading at the indicated warehouse.

3. Literature

Descriptive and technical literature must be supplied by the 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.

4. Compatible with

For compatible manufacturers and models see Table 1. These models are examples of the equipment/material described in this document and do not represent a preference. LUMA will evaluate equally any model not listed here during any acquisition event.

5. Markings

- 5.1. 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.
- 5.2. Packaging labels and tags shall be waterproof.

6. Packaging

All equipment/material 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)

Twenty-five (25) per package or as required by LUMA Energy.

8. Acceptance Criteria

- 8.1. Test required: certified by external laboratories.
- 8.2. Product shall be manufactured in accordance with the latest issue below (section 8.3). When conflicts occur between purchaser's specifications and the latest issue below, the purchaser's specification shall prevail.
- 8.3. Latest applicable codes, standards, and other regulations:
 - a. ANSI C119.4 Class 3: Electric Connectors - Connectors For Use Between Aluminum-To-Aluminum And Aluminum-To-Copper Conductors Designed For Normal Operation At Or Below 93°C And Copper-To-Copper Conductors Designed For Normal Operation At Or Below 100°C
 - b. CC3 Standards
- 8.4. If any other standard different from the ones indicated in this document are used, the supplier must provide information showing compatibility with the required ones.

9. Description

- 9.1. Overhead distribution compression tap crimpit stirrup connector is used to install tap connections which must be removed and re-installed frequently.
- 9.2. Must be made of aluminum crimpit tap connector with tin-plated copper bail. It must also be prefilled with penetrox joint compound and strip sealed to limit oxide growth and to increase the life of the connection.
- 9.3. To be installed with standard tooling and corresponding die index as shown in Table 1.
- 9.4. Shall accommodate the corresponding conductors' sizes, as shown in Table 1:

10. Inspection

The acceptance of any equipment/material 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 equipment/materials were found later to be defective.



11. Proposal Information

11.1. Submitted proposals must include:

- a. Technical information, tests, and drawings.
- b. Table of Compliance completed by the bidder with reference (see Appendix 1).

12. Table 1: Warehouse and Asset Suite Identification Number

Table 1: Conductor Compatibility and Die Index Requirements

| Warehouse Number | Asset Suite Number | Conductors to accommodate. (ACSR) | Die Index | Compatible model |
|------------------|--------------------|-----------------------------------|-----------|------------------|
| 002-14593 | 76635 | 1/0 to 4/0 AWG | H | Burndy YCB28U26 |
| 002-14601 | 76636 | 336.4 to 556.5 MCM | N | Burndy YCB38R26U |

— End of Specification —



Appendix



Appendix 1: Table of Compliance

| Line | Criteria | Description | Pass/Fail (P / F) | Comments |
|------|-------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------|----------|
| 1 | Specification | The Proponent complies with the corresponding specification document (4350.080). | | |
| 2 | Industry Standards | The Proponent complies with the industry standards established in the specification document. (ANSI/ASTM) | | |
| 3 | Material | Aluminum crimpit tap connector with tin-plated copper bail. | | |
| 4 | Requirements | It must be prefilled with penetrox joint compound and strip sealed. | | |
| 5 | Standard Tooling Die Index | <ul style="list-style-type: none">• 002-14593: H• 002-14601: N | | |
| 6 | Conductor Capacity (ACSR) | <ul style="list-style-type: none">• 002-14593: 1/0 to 4/0 AWG• 002-14601: 336.4 to 556.5 MCM | | |

NOTE: This table is only a check list for reference. The compliance shall be with the complete document. Marking a PASS in the table won't be accepted as a compliance without the technical information required to certify it.











4350.080 Stirrup 07-19-2024

Final Audit Report

2024-07-19

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