



Document Title:  
**FULL TENSION SPLICE KIT 556.5 ACSS 24/7 PARAKEET**

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**Specification**

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**Material Specification**

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**Version History**

Version	Date	Revision
01	26/02/2024	Initial Release
02	16/07/2024	Shared documents with Distribution
03	7/2/2025	General format modifications. Content revision of all sections.

**Item Version History**

Warehouse Catalog #	Asset Suite #	Version	Date
002-51479	51479	03	07/02/2025



## **1. Introduction**

This is a general specification that covers the minimum requirements for full tension splice kit 556.5 ACSS 24/7 parakeet (two-piece), to be used in the Transmission 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 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 LUMA's general warehouse (017) at Palo Seco, Puerto Rico. Shipping will include transportation and unloading at the indicated warehouse.

## **3. Literature**

- 3.1. Descriptive and technical literature must be supplied by the vendor at time of bidding. This literature must include, but is not limited to, details of material, drawings, documented testing, and instructions for use and installation. The literature must be an official document from and certified by the manufacturer.

**Failure to submit documents on time and duly certified by the manufacturer will cause bidder disqualification.**

- 3.2. If required by LUMA, final drawings and documentation shall be submitted by the vendor before the manufacturing and shipping process for approval.

## **4. Compatible with**

For compatible manufacturer and model 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 and item number.
- 5.2. Individual package(s) shall be clearly marked with manufacturer name and item information (part number, serial number, quantity, etc.).
- 5.3. Packaging labels and tags shall be waterproof.

## **6. Packaging**

- 6.1. 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.
- 6.2. A list of all parts included in the container and/or package must be provided at the time of delivery so the receiving personnel can verify that everything requested is present, avoiding any delay in the receiving process.

## **7. Number Per Package (Logistics)**

Minimum pack quantity: One (1) unit per box or as requested by LUMA.

## **8. Acceptance Criteria**

- 8.1. Test required: certified by external qualified 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:

**ANSI C119.4**      American National Standard for electric connectors used with aluminum and/or copper conductors in power distribution and transmission lines.

**RUS**              Rural Utilities Service

**RoHS**            Restriction of Hazardous Substances (RoHS) Directive, which restricts the use of certain hazardous substances in electrical and electronic equipment.

8.4. If any other standard different from the ones indicated in this document is used, the supplier must provide information showing compatibility with the required ones.

## 9. Description

- 9.1. Full Tension splice, two Piece, for ACSS transmission lines.
- 9.2. Kit includes the outer aluminum and inner steel sleeves.
- 9.3. Splice connectors must have permanent marking showing model, conductor size range, and die index.
- 9.4. Shall be furnished pre-filled with an oxide inhibiting compound strip sealed and capped.
- 9.5. Must be installed with standard tooling and dies. For die index see Table 1.
- 9.6. Tooling is not included in the kit.

## 10. Inspection

- 10.1. Upon inspection of incoming equipment/material, the purchaser reserves the right to refuse product shipments and to determine the acceptability or rejection of the product received. The supplier shall be liable for all costs incurred for a product that is rejected.
- 10.2. 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, drawings, and tests.
  - b. Table of Compliance completed by the bidder with reference (see Appendix 1).

## 12. Table 1: Warehouse and Asset Suite Identification Number

Warehouse Catalog #	Asset Suite #	Use for:		Kit Includes: 2 Pieces			Die Index/Y60BHU		Compatible Manuf.	Model
		Conductor Size (ACSS)	Conductor Diameter (in.)	Description	Outer Aluminum Sleeves	Inner Steel Sleeves	Outer Aluminum Sleeves	Inner Steel Sleeves		
002-51479	80778	556.5 (24/7)	0.914	L (in) / LL (in)	28.74	5.90	722/L722	723/L723	Burndy	YTS39RT43RSHT
				O.D. / B	1.50	2.47				

## Appendix

## Appendix 1: Table of Compliance

Criteria	Description	Pass/Fail (P/F)	Comments
<b>Specification</b>	The Proponent complies with the corresponding specification document. (4752.337)		
<b>Industry Standards</b>	The Proponent complies with the industry standards established in the specification document. (ANSI)		
<b>Type</b>	Full Tension, two Piece, compression splice for ACSS transmission lines.		
<b>Description</b>	Kit includes outer aluminum and inner steel sleeves.		
	Splice connectors must have permanent marking showing model, conductor size range, and die index.		
	Shall be furnished pre-filled with an oxide inhibiting compound strip sealed and capped.		
<b>Use for</b>	Conductor Size (ACSS): 556.5 (24/7)		
	Conductor Diameter: 0.914 (in.)		
<b>Outer Sleeves</b>	Length: 28.74 in.		
	O.D.: 1.50		
	Die Index/Die Sets: 722/L722 (not included in the kit) Bidder will indicate if it is compatible and which one is used.		
<b>Inner Sleeves</b>	LL: 5.90 in.		
	B: 2.47		
	Die Index/Die Sets: 723/L723 (not included in the kit) Bidder will indicate if it is compatible and which one is used.		
<b>Material</b>	Outer Sleeves: Aluminum		
	Inner Sleeves: Steel		

**NOTE:** This table is only a checklist for reference. The compliance must be with the complete document. Filling out the table with “PASS” won’t be accepted as a compliance without the technical information required to certify it.











# 4752.337 FULL TENSION SPLICE KIT 556.5 ACSS 24-7 PARAKEET (7-1-2025)

Final Audit Report

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