



Equipment Specification

Document No.: 4350.036

Item No.: 072-82373

Asset Suite: 82373

Originating Department: Distribution Engineering



Wildlife Protection – Applicator Ring Tool

1. Introduction

This is a general specification that covers the minimum requirement for the wildlife protection applicator ring tool to be used in 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 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. Labels and tags shall be waterproof.

5. Equal or Approved Equal to

PLP Preformed Line Products, model SH-003



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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)

One (1) per package or as required by LUMA Energy.

8. Acceptance Criteria

8.1. Test required: certified by external laboratories.

8.2. Latest applicable codes, standards, and other regulations: ASTM-ANSI-IEEE-UL

9. Description

The wildlife protection system applicator ring tool shall be used for the installation of small and large bird diverters on power lines, as well as other formed wire products. These applicator ring tools are mounted on the end of a hot stick and can provide a safe way to work on energized lines.

9.1. Material shall be stainless steel.

9.2. Dimensions

- a. End ring shall have a minimum of 1-3/4 in (4.445 cm) diameter
- b. End tip shall be manufacture with approximately a 45-degree angle as seen in Figure 1.
- c. Total length shall be at least 12 in (30.480 cm).
- d. Shall include crossarms with end pick near base for installation and removal of wire products.



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9.3. Schematic

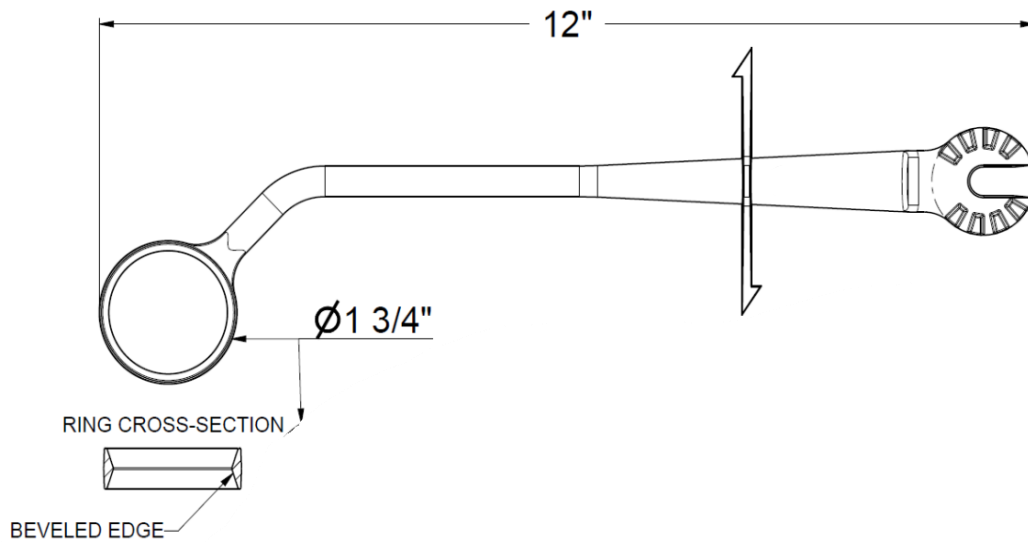


Figure 1: Dimension Schematic

9.4. Equipment color must be gray.

9.5. Base shall be universal to ensure compatibility with universal hot stick.

9.6. Metric conversions as per ASTM E380.

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.

10. Proposal Information

10.1. 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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Document History

Version	3	
Date	04/13/2022	
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Reviewer	Rafael Torres	
Approver Manager	Ricardo Castro	



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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 (4350.036)		
2	Industry Standards	The Proponent complies with the industry standards established in the specification document. (ASTM/ANSI/IEEE/UL)		
3	Description	The wildlife protection system applicator ring tool shall be used for the installation of small and large bird diverters on power lines, as well as other formed wire products.		
	Compatibility	These applicator ring tools are mounted on the end of a hot stick and can provide a safe way to work on energized lines.		
4	Dimensions	End ring shall have a minimum of 1-3/4 in (4.445 cm) diameter. Total length shall be at least 12 in (30.480 cm).		
5	Material	Shall be stainless steel		