

## **SOUTH CAROLINA ELECTRIC COOPERATIVES SPECIFICATIONS FOR RUBBER GLOVE PROTECTORS**

### 1.0 Scope

- 1.1 This specification covers the design and purchase of leather protectors for rubber insulating gloves.
- 1.2 The purpose of the leather protector is to provide mechanical protection for the rubber gloves. Leather glove protectors are not used for electrical protection.
- 1.3 The protectors shall be non-abrasive and shall fit snugly without undue wrinkles over Class 0 (5kV), Class1 (10kV), Class 2 (20kV) and Class 3 (30kV) rubber insulating gloves.

### 2.0 Applicable Standards

- 2.1 The following standards in effect on the date of purchase shall apply:
- 2.2 ASTM F696 Specification for Leather Protectors for Rubber Insulating Gloves and Mittens

### 3.0 High Voltage Protector Specifications

- 3.1 Leather protectors shall be manufactured from top grade cowhide or goatskin grain leather. Minimum thickness of protectors shall comply with ASTM F696
- 3.2 Protectors shall be manufactured using the "GUNN" pattern designed to fit class 2 or 3 rubber gloves. A pull patch shall be used to join the palm of the glove to the cuff. Finger shall be of sufficient length to allow full insertion of rubber glove.
- 3.3 The cuff shall be of a straight or contour design. The cuff of the glove protectors shall be non-conductive, water resistant and non-combustible. Cuffs shall be 6" in length to give the protector an overall maximum length of 15". Approved cuff material shall be coated Neoprene fabric with orange color on the outside of the top with leather on the underside. All cuff seams shall overlap in the lap seam design. Each protector shall come with a draw strap with a one-piece non-conductive buckle.

- 3.4 For use with straight-cuff or contour cuff 18" inch rubber gloves.

#### 4.0 Low Voltage Protector Specifications

- 4.1 Leather protectors shall be manufactured from top grade cream-colored goatskin grain leather. Minimum thickness of protectors shall comply with ASTM F 696
- 4.2 Protector fingers shall be of sufficient length to allow full insertion of rubber glove.
- 4.3 The cuff shall be of a straight design. The cuff of the glove protectors shall give the protector an overall maximum length of 10". Each protector shall have elastic sewn into the cuff to hold the protector securely in place on the glove.

#### 5.0 Sizing

- 5.1 Protectors shall be manufactured to fit identically sized rubber gloves and marked in full sizes only; 8, 9, 10, 11, & 12. Half-sized rubber gloves shall use the next largest full sized protector.

#### 6.0 Packing and Marking

- 6.1 Protectors shall be marked with the manufacture's name, catalog number, overall length of protector and size. ASTM warning requirements shall be on one glove of each pair.

#### 7.0 Acceptable Products

##### 7.1 High Voltage Protectors

- 7.1.1 Kunz straight cuff Goat Skin Protector Part Number 1005-6AF-SC (size) or approved equivalent. Used For Straight Cuff Rubber Gloves

- 7.1.2 Kunz contour cuff Goat Skin Protector Part Number 1005-6AF-CC (size) or approved equivalent. Used For Contour Cuff Rubber Gloves

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7.1.3 Kunz straight cuff Cowhide protector Part Number 1057- 6AF-SC (size) or approved equivalent. Used For Straight Cuff Rubber Gloves

7.1.4 Kunz contour cuff Cowhide protector Part Number 1057- 6AF-CC (size) or approved equivalent. Used For Contour Cuff Rubber Gloves

## 7.2 Low Voltage Protectors

7.2.1 Kunz Goat skin, Part Number 999 (size) or approved equivalent.

## 8.0 Approved

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SCEA Materials Standards Committee

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Date:

09/30/04

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