

## Arc Rated Leather Gloves



### 1. Scope

This standard covers the requirements for leather cut resistant, arc rated gloves. Arc rated gloves are inherently flame resistant.

This standard applies to the following Seattle City Light (SCL) stock numbers.

| Stock No. | Description  | Size     |
|-----------|--|----------|
| 013949    | Ground glove                                       | Small    |
| 013950    | "  | Medium   |
| 013951    | "  | Large    |
| 013952    | "  | X-Large  |
| 013953    | "  | 2X-Large |
| 013959    | Leather utility glove lined with Kevlar, wide cuff | Small    |
| 013960    | "  | Medium   |
| 013961    | "  | Large    |
| 013962    | "  | X-Large  |
| 013963    | "  | 2X-Large |

### 2. Application

Arc rated gloves are primarily intended for use by lineworkers. These gloves can also benefit members of other trades who need flame resistant gloves for protection from flame or fire exposure.

Arc rated gloves are designed to resist fire and inhibit the spread of fire. However, they might not prevent burns during significant fire exposure.

Arc rated gloves are not appropriate for use as protectors over insulating rubber gloves or for any sort of protection against shock or hazardous voltage.

Both ground and Kevlar gloves are arc rated for fire protection and provide cut resistance. However, Kevlar gloves provide a higher level of cut resistance.

Standards Coordinator  
Kathy Tilley

Standards Supervisor  
John Shipek

Unit Director  
Darnell Cola

### 3. Industry Standards

Arc rated gloves shall meet the applicable requirements of the following industry standards:

**ANSI/ISEA 105-2016**; Hand Protection Classification

**ASTM F2675/F2675M-13**; Standard Test Method for Determining Arc Ratings of Hand Protective Products Developed and Used for Electrical Arc Flash Protection

---

### 4. Requirements

Arc rated ground gloves shall be:

- Made from quality goatskin with minimum blemishes.
- Arc flash rated at FR27 (27 cal/cm<sup>2</sup>).
- Cut resistant rated per ANSI/SEA 105-2016 up to level 2.

Arc rated Kevlar gloves shall be:

- Made from quality goatskin with minimum blemishes.
  - Design with a wide cuff.
  - Lined with Kevlar.
  - Arc flash rated at FR27 (27 cal/cm<sup>2</sup>).
  - Cut resistant rated per ANSI/ISEA 105 up to level 3.
- 

### 5. Packaging

Each standard package shall be legibly marked with the following information:

- Manufacturer's identification
- Product description
- SCL stock number
- Quantity contained

Each shipping container shall be legibly marked with the following information:

- Manufacturer's identification
  - Country of origin
  - Product description
  - SCL purchase order number
  - SCL stock number
- 

### 6. Issuance

Stock Unit: EA

## 7. Approved Manufacturers

Youngstown Glove Co.

| <b>Stock No.</b> | <b>Description</b>   | <b>Size</b> | <b>Youngstown Catalog No.</b> |
|------------------|--|-------------|-------------------------------|
| 13949            | Ground glove, cut resistant level 2  | Small       | 12-3265-60-Small              |
| 13950            | "  | Medium      | 12-3265-60-Medium             |
| 13951            | "  | Large       | 12-3265-60-Large              |
| 13952            | "  | X-Large     | 12-3265-60-XLarge             |
| 13953            | "  | 2X-Large    | 12-3265-60-2XLarge            |
| 13959            | Leather utility glove lined with Kevlar, cut resistant levels 2 and 3, wide cuff | Small       | 12-3275-60-Small              |
| 13960            | "  | Medium      | 12-3275-60-Medium             |
| 13961            | "  | Large       | 12-3275-60-Large              |
| 13962            | "  | X-Large     | 12-3275-60-XLarge             |
| 13963            | "  | 2X-Large    | 12-3275-60-2XLarge            |

---

## 8. References

[www.ytgloves.com](http://www.ytgloves.com)

---

## 9. Sources

**Tilley, Kathy**; SCL Electrical Engineering support specialist, subject matter expert, and originator of 4010.17 (kathy.tilley@seattle.gov)