

## ASTM Labeling Chart

For Salisbury Lineman's Rubber and SALCOR Protective Equipment

Class Color	Proof Test Voltage AC / DC	Max. Use Voltage AC / DC*	Rubber Molded Products Label	Glove Label	Rubber Dipped Sleeve Label
00 Beige	2500 / 10,000	500 / 750*			
0 Red	5,000 / 20,000	1,000 / 1,500*			
1 White	10,000 / 40,000	7,500 / 11,250*			
2 Yellow	20,000 / 50,000	17,000 / 25,500*			
3 Green	30,000 / 60,000	26,500 / 39,750*			
4 Orange	40,000 / 70,000	36,000 / 54,000*			

The chart identifies class, proof test voltage and maximum allowable exposure voltage associated with each class.  
\*Maximum use DC voltage is not part of any ASTM specification and are valid in reference to IEC 903 only

## Boundary Chart Definitions

**Flash Protection Boundary** Persons may not cross this boundary without the appropriate personal protective clothing and the close supervision of a qualified worker.

**Limited Approach Boundary/Space** Persons may not cross this boundary unless they are qualified to perform the job/task.

**Restricted Approach Boundary** To cross this boundary, the qualified person must:

- Have a plan that is documented and approved by authorized management.
- Use personal protective equipment appropriate for working near exposed energized conductors or circuit parts and rated for the voltage and energy level involved.
- Be certain that no part of the body shall enter the prohibited space.
- Minimize the risk due to inadvertent movement by keeping as much of the body out of the restricted space as possible and using only protected body parts in the space as necessary to accomplish the work.

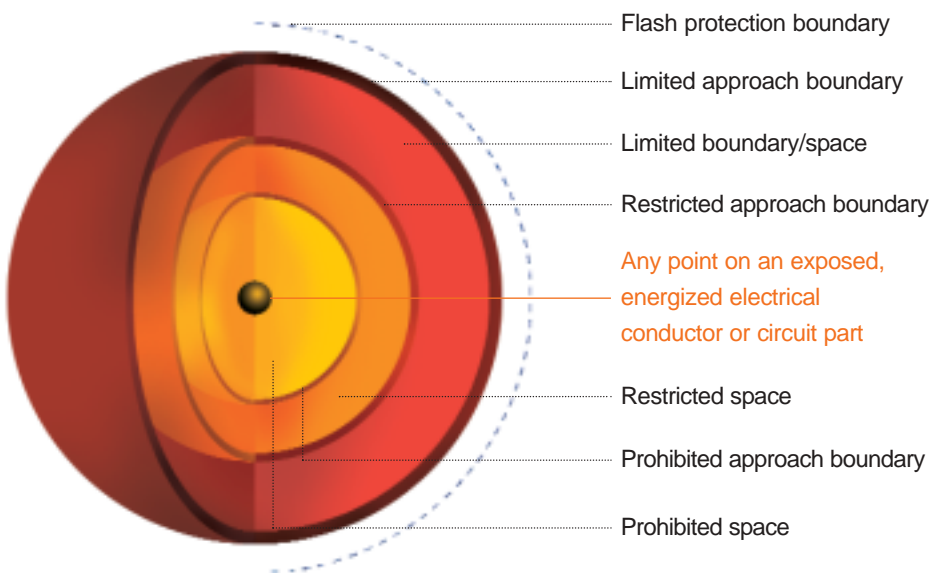
**Prohibited Approach Boundary** To cross this boundary and enter the prohibited space is considered the same as making contact with exposed energized conductors or circuit parts. The qualified person must:

- Have specified training to work on energized conductors or circuit parts.
- Have a documented plan justifying the need to work that close.
- Perform a risk analysis.
- Have (b) and (c) approved by authorized management.
- Use personal protective equipment appropriate for working on exposed energized conductors or circuit parts and rated for the voltage and energy level involved.

**Always Perform a Hazard Assessment — NFPA 70E — 2000** requires that every employer to perform an Electrical Arc Hazard Assessment.

## Limited Boundary

NFPA 70E Approach Boundaries



The limited boundary is for unqualified personnel. No unqualified person may approach any exposed energized conductor any closer than the limited approach boundary. The limited approach boundary is determined by referring to Table 2-1.3.4 in NFPA 70E – Page 51. (2000 Edition). Note that in the 2000 Edition NFPA has added the concept of movable or fixed conductors. In 2000 edition unqualified workers may approach non-moving conductors (fixed buswork for example) more closely than those which may move (overhead lines for example).

# are you in compliance?

# SALISBURY

Be Smart. Be Safe.

OSHA and NFPA 70E regulations and standards when implemented are making it safer for electrical contractors and industrial maintenance personnel to perform their daily duties.

For example, NFPA 70E Standard specifies boundaries within which arc flash protection is required in an effort to reduce the extent of injuries for workers involved in the maintenance of electrical equipment. All personnel within the defined boundaries must wear this specified protective equipment, even on circuits as low as 50 volts.

Only Salisbury can provide the complete list of Personal Protective Equipment required to protect workers against electrical hazards as defined by OSHA Regulations and NFPA 70E 2000 Standards for Electrical Safety.

Salisbury — the only single-source supplier for all the PPE needed to conform to OSHA 1910 and NFPA 70E.

- Insulating Gloves
- Arc Flash Clothing
- Voltage Detectors
- Arc Suppression Blankets
- Switchboard Matting
- Leather Protector Gloves
- Dielectric Footwear
- Insulating Blankets
- Temporary Grounding Equipment
- Hot Sticks & Static Discharge Sticks



## Rubber Insulating Gloves

Rubber Insulating Gloves by Salisbury are among the most important articles of personal protective equipment for electrical workers. They are the first line of defense for contact with any energized components or lines.



Only Salisbury offers flexible, light-weight, Class 00 (500 volts) and 0 (1000 volts) rated gloves made from our proprietary TYPE II – SALCOR® EPDM rubber. SALCOR gloves are ozone and UV-resistant and provide great comfort, dexterity and user efficiency.

Class 00 through 4 Type I insulating gloves provide protection from 500v through 36kV.

Salisbury insulating gloves are available in sizes 8 to 12, including half-sizes.

## Glove Liners

Glove liners made from stretch fabric accommodate a range of hand sizes absorb perspiration and improve wearer comfort and dexterity.



## Leather Protector Gloves

Leather Protector Gloves should always be worn over TYPE I or II electrical insulating gloves to provide needed mechanical protection against abrasion or cuts. Salisbury offers a broad selection of light-weight, flexible leather protectors suited for use with the lower voltage Class 0 and 00 through Class 4 rubber gloves.

## Glove Bag

Glove bags extend the service life of insulating gloves, protecting rubber surfaces from ozone cracking when gloves are properly stored. Salisbury glove bags allow rubber insulating gloves to lie flat and last longer.



## Safety Kits

Salisbury Safety Kits package all the PPE you need to protect an individual from voltage and electrical arc hazards. The kit includes the following items: Salisbury carrying bag, low volt insulating gloves, dielectric footwear, arc flash clothing, glove bags, safety glasses and hard hat.

## Ten-Four Glove Dust

Ten-Four Glove Dust is a cooling, soothing, frictionless powder that absorbs moisture and perspiration, preventing gloves from getting sticky.



## Rub-Out™ Hand Cleaner

Hands clean up fast with RUB-OUT, Salisbury's premium non-petroleum-based hand cleaner. The cleaner won't damage rubber or SALCOR gloves and sleeves.

## Portable Glove Inflation Tester

All insulating gloves must be electrically tested every six months to be in accordance with OSHA 29 CFR 1910.137. In addition, gloves must be visually inspected to check for tears, rips and punctures. Salisbury G-99 glove inflator will simplify visual inspection.



## Arc Flash Clothing

Salisbury provides a full line of Arc Flashing clothing that meets or exceeds NFPA 70E – 2000 and ASTM F1506 under OSHA 1910.269 1,6,iii. Shirt jacket, parka jacket, pants, coveralls, and overalls with ARC Rating 8 cal/cm<sup>2</sup> to 100 cal/cm<sup>2</sup> ATPV values.



## Dielectric Footwear

Salisbury dielectric footwear provides protection against step-potential hazards. The Salisbury dielectric boots by SERVUS provide exceptional comfort, security and traction. The footwear is made from ozone-resistant rubber with a fabric lining for easy-on and easy-off. The boots are available in many styles to meet your needs.

# SAFETY are you in compliance?



### Insulated Tools

Salisbury insulated safety hand tool sets are tested to 10,000 Volts for use up to 1,000 Volts. These easy to care for tools come in carrying cases or tool rolls to easily move from job site to job site. Salisbury insulated tool sets exceed ASTM standards. The tool sets are offered on a nine piece roll, thirty piece case or a sixty piece tool box.

### Roll Blankets

Salisbury has gone to great lengths to protect workers from low-voltage electrical hazards by now offering insulating blanket material on a roll. Salisbury's new insulating Roll Blankets, made from a high-strength fabric-reinforced TYPE II rubber, allow workers to custom cut the blanket to fit each job assignment. The product is available in three classes: Class 00 (500v), Class 0 (1,000v) and Class 1 (7,500v).



### Clear PVC Roll Blankets

Salisbury's Roll Blanket line includes a clear PVC material that permits complete visibility, yet provides the necessary insulating properties meeting ASTM F 1742 standards is available in Class 1 (7,500v).



### Arc Suppression Blankets

Arc Suppression Blankets provide a protective barrier against the devastating effects of electrical arcs and flashovers. NFPA 70E specifically spells out the necessity of protecting workers from these injuries that can occur around bus plug-ins, busways, raceways, cable trays and enclosures.

### Switchboard Matting

Placed permanently in front of switchgear, motor control centers and other high voltage apparatus, Salisbury switchboard matting provides personal protection for workers.

The matting is made from high quality rubber, 1/4" (6.4mm) thick and tested to 20 kV to comply with ASTM D178, Class 2 specifications. The corrugated surface acts as a safety tread while reducing the possibility of metal particles becoming embedded. Made in 25 yard rolls, matting can be custom cut to specific lengths per customer request.



### Contact Salisbury:

Call us toll free at 877-406-4501

Toll free fax at 866-824-4922

E-Mail us at [info@whsalisbury.com](mailto:info@whsalisbury.com)



### Insulated Rescue Hook

An invaluable tool for any workplace, Salisbury's rescue hook is used to withdraw an injured worker from a hazardous area. Confined spaces, vaults and the vicinities of electrical cabinets and switch gear are some of the places where the Salisbury Insulated Rescue Hook is a must.



### Voltage Detector

Salisbury's Self-Testing Voltage Detectors allow testing to be continuous and automatic. These simple detectors make it easy to confirm a line or component is energized or de-energized. An intermittent flash and beep confirms the detector is functioning properly.



### Salisbury's Grounding Configurator™

Visit [www.whsalisbury.com/configurator](http://www.whsalisbury.com/configurator) to use Salisbury's exclusive Grounding Configurator™. This New interactive web tool allows you to easily build the proper temporary grounding equipment for your specific needs.



### Grounding Equipment

OSHA 1926.416 states employees shall not work in proximity of electrical circuits unless they are de-energized and grounded. Proper grounding requires using cables #2 to 4/0 AWG, with crimped ferrules and clamps manufactured in accordance with ASTM F 855. Salisbury can customize these grounding sets to fit your requirements.



### Hot Sticks

Hot sticks are used for operating switches or handling live conductors in hard-to-reach areas. They are offered with clamp, switch, and universal end fittings and can be fixed length or telescoping. Salisbury's closed cell, foam-filled, tubular fiberglass sticks meet or exceed ASTM F 711, F 1826, IEC 1235 and IEC 855.



### Static Discharge Sticks

Static discharge sticks are used to safely dissipate real or potential static energy using ground clamps and a cable from the stick to ground.