



## ARC SWITCHING GLOVES



DG-ARC70

### Description

Dromex® A.P.T™ (Arc Protective Technologies) Switching Gloves are designed to protect the user from the hazards of heat and to reduce total burn injury when working in environments exposed to electric arc hazards.

The Dromex® A.P.T™ 70 cal/cm<sup>2</sup> Switching Gloves are suitable for use in category 1,2,3 and 4 ARC related hazards when worn with Arc protective clothing and equipment.

Suitable for use in industries where users are exposed to high voltage arc blast such as power companies, installation, maintenance and repairs involving high voltage equipment.

The Dromex Arc protective switching gloves features the following:

- An elasticated shirred cuff for an ideal fit.
- Double needle topstitching on elastic and hems for added durability.
- Gunn cut construction provides larger surface area for improved grip and comfort.
- ATPV 70 cal/cm<sup>2</sup> FR Embroidery on cuff for garment identification.
- Glove with Dromex® Arc heat transfer print.

Dromex® A.P.T™ fabrics are self-extinguishing, heat resistant and resistant to ignition. Dromex® Arc gloves are sewn with flame retardant thread.

### Special Instructions

For electric arc exposures, wear the correct number of flame-resistant clothing layers as dictated by an electric arc hazard analyst.

In potentially explosive environments, proper grounding procedures must be used for protection against electrostatic spark ignition.

Do not put on or remove gloves when in a potentially explosive environment. None of the materials or processes used in the manufacture of these products are known to be harmful to the wearer.

The manufacturer has examined under the system for ensuring quality of production by means of monitoring and inspection.

These Arc flash gloves are designed to accommodate the basic safety requirements and standards for Personal Protective Equipment.

The information contained herein is intended to assist the wearer in the selection of Personal Protective Equipment.

Actual conditions of use cannot be directly simulated in a test environment therefore it is the responsibility of the end user and not the manufacturer or supplier to determine the arc flash suitability for the intended use.

Arc flash protective gloves should be thoroughly inspected before use to ensure no damage is present.

### Specifications

Style:	37cm Royal blue, flame retardant gloves with elasticated wrist.
Fabric composition:	88% Cotton 12% Nylon. Outer - 14oz APT Inner - 9oz APT
Liner:	Knitted composite modacrylic para-aramid fibre with a non-woven urethane vapor barrier. Finger tacked.
Additional:	Arc protective gloves must be worn with other arc protective clothing/attire and equipment to ensure complete protection against the hazards of arc flash. Refer to table "Arc Flash PPE Categories for further compatible ppe".

### Packaging

DG-ARC70-SG are packed in a resealable polybag and sold individually.

### Sizes Available

- M/L - fits hands sizes ranging from M to L.
- L/XL size range - fits hands sizes ranging from L to XL.

### Compliance & Conformity

- Complies to marking SANS 724, Personal Protective Equipment and protective clothing against the thermal hazards of an electric arc.
- IEC 61482-1-1 - Live working - Protective clothing against the thermal hazards of an electric arc - Open Arc Test Method. It determines the Arc Thermal Protection Value (ATPV level) of the garment. The basic principle is that the ATPV of the garment must be higher than the Arc Flash energy.
- IEC 61482-1-2, Live working - Protective clothing against the thermal hazards of an electric arc - Box Test Method. It determines the Arc Protection Class Rating of the material or garment by using a constrained and directed arc:
  - EN 61482-1-2:2014 - LIVE WORKING - PROTECTIVE CLOTHING AGAINST THE THERMAL HAZARDS OF AN ELECTRIC ARC - PART 1-2: TEST METHODS
  - METHOD 2: DETERMINATION OF ARC PROTECTION CLASS OF MATERIAL AND CLOTHING BY USING A CONSTRAINED AND DIRECTED ARC (BOX TEST) (IEC 61482-1-2:2014).
- NFPA 2112 - Standard on flame resistant clothing for protection of industrial personnel against short duration thermal exposures from fire.
- EN 11611:2015, Protective clothing for use in welding and allied processes.
- EN 11612:2015 Protective clothing -- Clothing to protect against heat and flame -- Minimum performance requirements.
- NFPA 70E - Standard for electrical safety clothing for employees.
- NFPA F2675 -- Standard test method for determining Arc ratings of hand protective products developed and used for electrical arc flash protection.

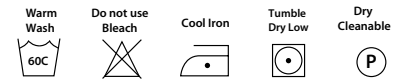
### Packaging, Storage & Obsolescence

DG-ARC70 packed in a polybag and sold individually.

### Cleaning & Maintenance

Gloves of Dromex® A.P.T™ brand fibre can be cleaned by home or commercial laundry or by dry cleaning procedures without loss of their inherent protective features. The following suggestions will help keep your gloves safe and neat. If home procedures do not remove contaminants, commercial laundering or dry cleaning is recommended:

- Launder gloves of Dromex® A.P.T™ separate from personal non-flame resistant clothing to help avoid contamination by flammable materials.
- Pre-treat greasy stains.
- Wash gloves in warm water with heavy duty detergent.
- Do not overload home laundry equipment.
- Do not use chlorine bleach or detergents containing chlorine bleach.
- Chlorine bleach may cause fading and reduce fabric strength.
- Tumble dry gloves at a low setting.
- Remove and hang gloves as soon as tumbler stops.
- Do not hang in direct sun as fading and reduction of fabric strength may occur.
- When using commercial laundry aids, be sure to carefully follow the manufacturer's instructions.

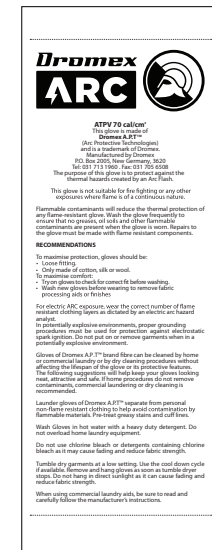


### Disposal

All industrial waste should be disposed of correctly according to local regulations and good disposal practice. Gloves should be disposed of considering the hazardous substances they were used for as well as the material they are made up of. Please consider recycling.

### Markings

#### TYVEK ATPV LOOP FOLD CARE LABEL



Position:  
• Side seam (inside glove)

#### ARC HEAT TRANSFER PRINT



#### EMBROIDERY



Position:  
• Glove cuff

### Arc Flash PPE Categories

Hazard/Risk Category	FR (flame retardant) Recommended clothing used at this level	Required minimum ATPV (Cal/cm <sup>2</sup> ) as per EN	Workwear	Other PPE
<p>HRC 1</p> 	<ul style="list-style-type: none"> <li>FR shirt (T-shirt short sleeve worn inside Long sleeve shirt) and FR pants; or boilersuits; (Single base layer of FR protection)</li> </ul>	4	 <p>ARC T-SHIRT SS&amp;LS      ARC BOXER SHORT</p>  <p>ARC SHIRT &amp; DENIM JEAN      ARC DUST COAT      ARC X BIB      ARC 2 PIECE CONTI-SUIT      ARC BOILERSUIT</p>	 <p>ARC LEATHER GLOVES      ARC VISOR *(must wear with Balaclava)      BSD ARC ERGOS INTEC      ARC BALACLAVA      EARPLUGS</p>
<p>HRC 2</p> 	<ul style="list-style-type: none"> <li>FR under garments (undershirt, underwear)</li> <li>FR shirt and FR pants; or FR boilersuits; (2 or more layers of FR protection)</li> </ul>	8	 <p>ARC SHIRT &amp; DENIM JEAN      ARC DUST COAT      ARC X BIB      ARC 2 PIECE CONTI-SUIT      ARC BOILERSUIT</p>	 <p>DIPPED ARC GLOVES      ARC SWITCHING GLOVES      ARC HARD HAT      ARC ANKLE SAFETY BOOTS</p>
<p>HRC 3</p> 	<ul style="list-style-type: none"> <li>FR under garments (undershirt, underwear), FR shirt, FR jacket, FR pants or FR boilersuits; (2 -3 or more layers of FR protection)</li> </ul>	25	 <p>ARC SUIT      ARC PADDED JACKET</p>	 <p>EARPLUGS      ARC SWITCHING GLOVES      ARC LEATHER GLOVES      ARC VISOR *(must wear with Balaclava)      BSD ARC ERGOS INTEC      ARC BALACLAVA</p>
<p>HRC 4</p> 	<ul style="list-style-type: none"> <li>FR under garments (Undershirt, underwear), FR shirt, FR jacket/coat, FR pants or FR boilersuits; (3-4 or more layers of FR protection)</li> </ul>	40	 <p>ARC BIB &amp; BRACE, JACKET AND HOOD WITH VISOR</p>	 <p>ARC SWITCHING GLOVES      ARC LEATHER GLOVES      EARPLUGS      ARC ANKLE SAFETY BOOTS</p>