



ARC SWITCHING GLOVES



DG-ARC55

Description

The Dromex® A.P.T™ (Arc Protective Technologies) 55 cal/cm², Switching Gloves, is an innovative lightweight fabric construction designed to protect the hands against the hazards of heat whilst providing user comfort.

These gloves are suitable for use in category 4 ARC related hazards and feature the following:

- They provide great dexterity due to their snug design.
- An elasticated shirred cuff for an ideal fit.
- Double needle topstitching on elastic and hems for added durability.
- ATPV 55 cal/cm² FR Embroidery on cuff for garment identification and Dromex® arc heat transfer print.
- The Dromex® A.P.T™ fabric is self-extinguishing, heat resistant and resistant to ignition.
- Seams are sewn with inherent flame retardant thread.

These gloves can be used in category 1,2,3 and 4 ARC related hazards when worn with arc protective clothing and equipment.

They are suitable when working in industries where users are exposed to the possibility of a high voltage arc blast such as power companies, installation, maintenance and repairs involving high voltage equipment.

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 A.P.T™
Inner - 9oz A.P.T™
- 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-ARC55-SM/LXL are packed in a resealable polybag and sold as a pair.

Compliance & Conformity

- ASTM F2675/F2675M-19 Standard Test Method for Determining Arc Ratings and used for Electrical Arc Flash Protection.
- 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.

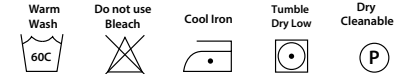
Cleaning & Maintenance

Dromex® A.P.T™ Gloves can be cleaned by home or commercial laundry or by dry cleaning procedures without loss of their 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 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 sunlight as fading 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. Please consider recycling.

Sizes Available

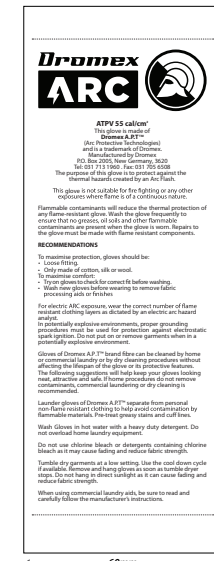
Code	Size	Palm Length
DG-ARC55-SM	S-M (8-9)	145mm (±5mm)
DG-ARC55-LXL	L-XL (10-11)	150mm (±5mm)

** As per the EN420 standard, actual measurement of gloves are determined by the manufacturer, taking into account the behaviour of the glove material, its thickness (such as leather gloves, PVC gloves etc), elasticity and the intended use.*

** Sizing charts only serve as a guide. Sizes and measurements are for reference only. In order to make an informed decision, always try on the gloves as each glove features a unique construction to accommodate a wearer's preferences.*

Markings

TYVEK ATPV LOOP FOLD CARE LABEL



Position:
• Side seam (inside glove)

ARC HEAT TRANSFER PRINT



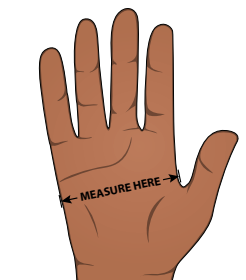
Position:
• Glove dorsal

EMBROIDERY



Position:
• Glove cuff

Measurement Guide



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Arc Flash PPE Categories

Hazard/Risk Category	Required minimum ATPV (Cal/cm²)	Workwear	Other PPE
HRC 1 	4	 ARC T-SHIRT SS  ARC BOXER SHORT	 ARC LEATHER GLOVES  ARC VISOR *(must wear with Balaclava)  BSD ARC ERGOS INTEC  ARC BALACLAVA  ARC BEANIE  EARPLUGS  ARC BLANKET
HRC 2 	8	 ARC T-SHIRT LS  ARC SHIRTS & DENIM JEANS  ARC DUST COAT  ARC POSEIDON BOILERSUIT  ARC X BIB  ARC 2 PIECE CONTI-SUIT  ARC BOILERSUIT	 ARC SWITCHING MITT GLOVES  DIPPED ARC GLOVES  ARC SWITCHING GLOVES  ARC HARD HAT  ARC ANKLE SAFETY BOOTS
HRC 3 	25	 ARC SUIT	 EARPLUGS  ARC BLANKET  ARC LEATHER GLOVES  ARC HARD HAT  ARC ANKLE SAFETY BOOTS  ARC SWITCHING MITT GLOVES  ARC SWITCHING GLOVES  ARC VISOR *(must wear with Balaclava)  BSD ARC ERGOS INTEC  ARC BALACLAVA  ARC BEANIE
HRC 4 	40	 ARC PADDED JACKET  ARC BIB & BRACE, JACKET AND HOOD WITH VISOR  ARC BIB & BRACE, JACKET AND HOOD WITH VISOR	 ARC SWITCHING MITT GLOVES  ARC SWITCHING GLOVES  ARC LEATHER GLOVES  ARC BLANKET  ARC ANKLE SAFETY BOOTS  EARPLUGS

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