
Dromex
ARC

INNOVATION

INTRODUCING THE DROMEX ARC RANGE

Through years of consulting with experts, testing fabric combinations and working with world-leading testing facilities, we are proud to bring the Dromex ARC range of workwear and PPE to the global stage.

Dromex is committed to developing quality products, that effectively mitigate risk, which extends to our specialist offering - specifically our ARC range which has been designed to reduce the risks associated with hazardous industries, where 2nd & 3rd degree burns can occur.

Our ARC workwear is manufactured locally using our custom Dromex A.P.T™ (Arc Protection Technologies) fabric and is certified to the highest local and international standards.

Each garment is rated to varying degrees for specific environments and conditions and our ARC range includes a number of styles and accessories for various industries.

Dromex ARC workwear and PPE is suitable during any work with or within the vicinity of industrial electrical panels switch rooms, substations and utilities power generators.

THE SAFETY IS IN THE DETAIL

When it comes to safety, the smallest detail can make a difference. Through extensive research, development, and testing, we've created an ARC range that's every bit as comfortable and practical as it is safe:

- Inherent flame-retardant thread
- Triple needle stitched seams
- Transfer print & embroidery logos
- Flame-retardant Velcro
- Double needle stitched FR reflective tape

MEETING THE HIGHEST STANDARDS

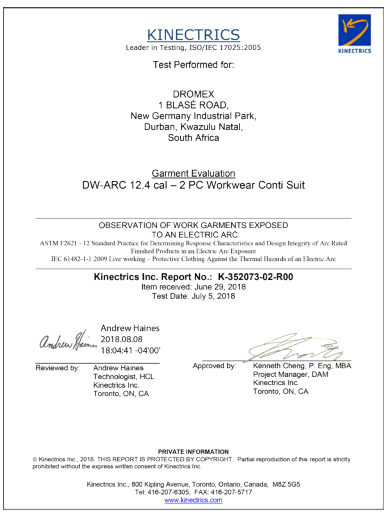
Dromex believes in uncompromising safety, so we've insisted that the integrity of our specialist ARC range also passes the most stringent garment tests in addition to the fabric tests.

We're proud to be associated with the leading standards authorities locally and internationally enabling us to produce certified ARC workwear.

These standards include:
- **IEC 61482-1-1 · IEC 61482-1-2 · NFPA 70E · NFPA 2112**
- **SANS 724 · ASTM F1959 · ASTM F2621-12**
- **EN 11611:2015 · EN 11612:2015 · EN 61482-1-2:2014**

At Dromex we believe that all employees are entitled to maximum safety protection and that employers should never have to compromise on the quality of protective equipment they supply their staff.

Our Arc range ensures that we deliver on that promise.



KINECTRICS
Leader in Testing, ISO/IEC 17025:2005

Test Performed for:

DROMEX
1 BLASE ROAD,
New Germany Industrial Park,
Durban, Kwazulu Natal,
South Africa

Garment Evaluation
DW-ARC 12.4 cal – 2 PC Workwear Conti Suit

OBSERVATION OF WORK GARMENTS EXPOSED TO AN ELECTRIC ARC

ASTM F2621 - 12 Standard Practice for Determining Response Characteristics and Design Integrity of Arc Rated Finished Products in an Electric Arc Exposure
IEC 61482-1-1 2009 Live working – Protective Clothing Against the Thermal Hazards of an Electric Arc

Kinectrics Inc. Report No.: K-352073-02-R00
Item received: June 29, 2018
Test Date: July 5, 2018

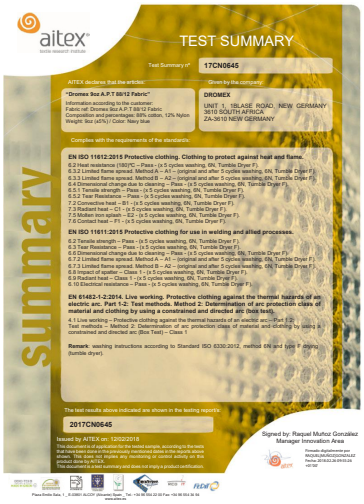
Andrew Haines
2018.08.08
18:04:41 -04'00'

Reviewed by: Andrew Haines, Technologist, HCL, Kinectrics Inc., Toronto, ON, CA

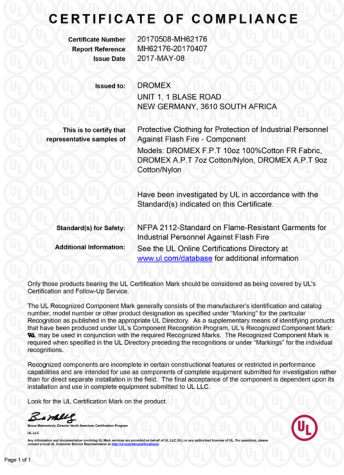
Approved by: Kenneth Cheng, P. Eng, MBA, Project Manager, DAM, Kinectrics Inc., Toronto, ON, CA

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www.kinectrics.com



aitex
TEST SUMMARY
Test Summary nº: 17CN0645
summary
2017CN0645
Issued by AITEX on: 12/02/2018



CERTIFICATE OF COMPLIANCE

Certificate Number: 20170508-MH62176
Report Reference: MH62176-20170407
Issue Date: 2017-MAY-08

Issued to: DROMEX
UNIT 1, 1 BLASE ROAD
NEW GERMANY, 3610 SOUTH AFRICA

This is to certify that representative samples of: Protective Clothing for Protection of Industrial Personnel Against Flash Fire - Component
Models: DROMEX F.P.T 10oz 100%Cotton FR Fabric, DROMEX A.P.T 7oz Cotton/Nylon, DROMEX A.P.T 9oz Cotton/Nylon

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: NFPA 2112-Standard on Flame-Resistant Garments for Industrial Personnel Against Flash Fire

Additional Information: See the UL Online Certifications Directory at www.ul.com/catabase for additional information

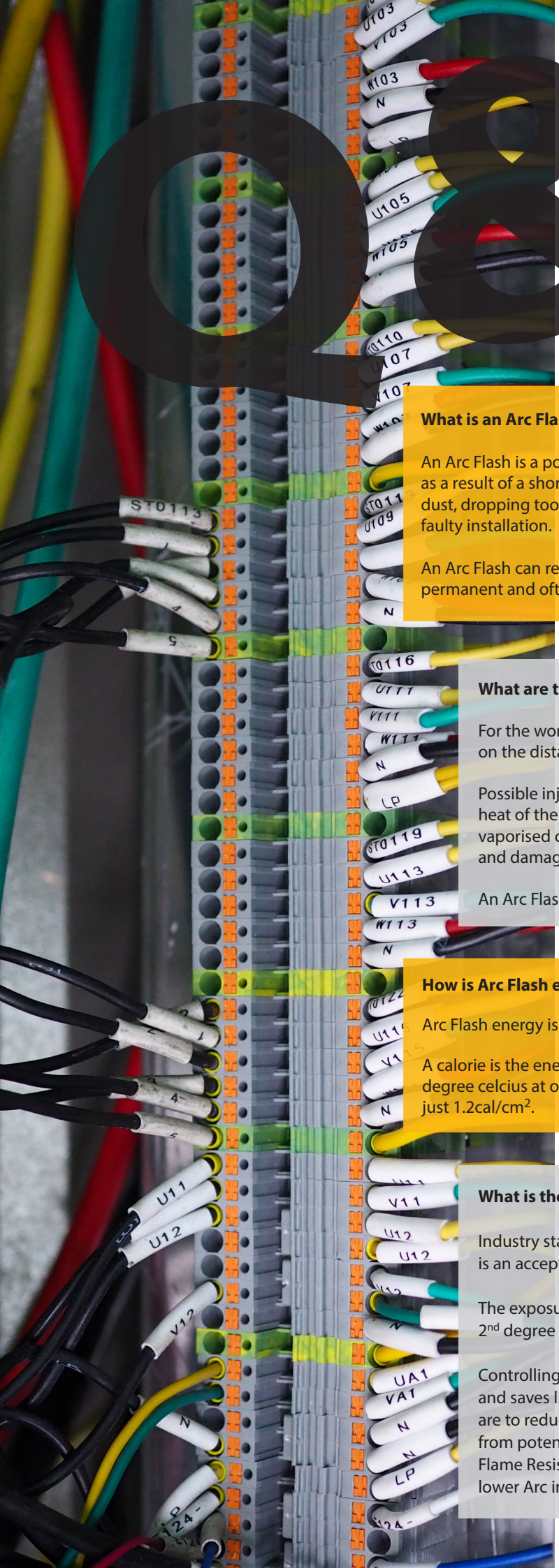
Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: **YA**, may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.

Page 1 of 1



Q&A

What is an Arc Flash?

An Arc Flash is a potentially fatal explosion of extreme light & radiant heat as a result of a short circuit on an electrical panel that can be caused by dust, dropping tools, accidental touching, condensation, corrosion or a faulty installation.

An Arc Flash can reach temperatures of up to 20 000°C and can cause permanent and often deadly injuries.

What are the hazards and dangers of an Arc Flash?

For the worker, injuries caused by an Arc Flash can be severe depending on the distance of work, the incident energy and the duration of the Arc Flash.

Possible injuries include second & third degree burns from the extreme heat of the blast, burns from airborne molten metal, metal oxides & vaporised copper, concussion & head injuries, hearing impairment and damaged eyesight.

An Arc Flash can also cause fire in the surrounding work areas.

How is Arc Flash energy measured?

Arc Flash energy is measured in calories/cm^2.

A calorie is the energy required to raise one gram of water to one degree celcius at one atmosphere. Secondary burns can occur from just 1.2cal/cm^2.

What is the accepted worker incident energy level?

Industry standards and government agencies agree that 1.2 to 2.0cal/cm^2 is an acceptable worker incident energy level.

The exposure to arc radiant heat energy has the possibility of causing 2nd degree burns of the epidermis and shows as painful red skin or blisters.

Controlling worker's incident energy reduces the severity of burn injuries and saves lives. Methods used to reduce worker incident energy levels are to reduce Arc Flash current and clearing time, move the worker farther from potential Arc, wear correct Arc Thermal Performance Value (ATPV) & Flame Resistant (FR) clothing system, and change the work method to a lower Arc incident energy.

UNDERSTANDING ARC WORKWEAR

FR COTTON vs INHERENT FABRICS

> FLAME RETARDANT COTTON FABRICS:

FR Cotton fabrics have had flame retardants engineered into the fabric to create flame resistance thereby producing fabrics that have guaranteed flame retardancy for the life of the garment.

> INHERENT FLAME RETARDANT FABRICS:

'Inherent fabrics' consist of synthetic fibre that do not require additional FR chemical treatments - each fibre is 'inherently' flame retardant.

All FR fabrics (inherent & treated) are engineered to prevent ignition. While the fabrics are essentially different, technological advancements and development means that the efficacy of both fabrics are very similar and choosing Arc workwear should be based on:

- Arc hazard & environment of use
- Performance & certifications
- Comfort & quality
- Durability
- Value & availability
- Brand reputation

Did You Know?

Dromex A.P.T™ FR Cotton Fabric has passed "Red Metal" testing which offers additional bodily protection from molten metal, vaporised copper & metal oxides up to 1400°C. This offers the wearer effective protection and peace of mind.

Molten metal is a deadly hazard that can easily penetrate synthetic lightweight fabrics during an Arc Flash incident.

Dromex A.P.T 200 Wash Certificate

ArcWear
3018 Eastpoint Parkway
Louisville, Kentucky 40223

Date: 12/12/2019 Test Report: 1911P05-X
Client: Dromex
1 Blasé Road, New Germany
Durban, KZN
South Africa 3620
Sample(s) Received: 10/14/2019
Sample Description (provided by client): Dromex, Style Dromex A.P.T., 9.0 oz/yd² 305 g/m² Woven, 88% FR Cotton 12% Nylon, Navy, AAD 9.7 oz/yd² 329 g/m², ArcWear# 1911P05
Testing Date: 12/6/2019
Procedure: Testing was completed in accordance with the method identified below at ArcWear in Louisville, Kentucky.

ASTM D3776/D3776M						
Standard Test Method for Mass per Unit Area Fabric Weight-Option C Small Swatch						
Preconditioning:	200 cycles of washing and drying as specified in sec 8.1.3 of NFPA 2112-18					
Conditioning:	ASTM D1776					
Slevages Included:	No					
Fabric Mass (oz/yd²):	10.18					
Fabric Mass (g/m²):	345					
ASTM D6413/D6413M-15						
Standard Test Method for Flame Resistance of Textiles (Vertical Test)						
Preconditioning:	**200 cycles of washing and drying as specified in sec 8.1.3 of NFPA 2112-18**					
Length Direction						
	1	2	3	4	5	**AVG Length**
Afterflame Time (sec)	0.2	0.2	0.0	0.0	0.0	**0.1**
Afterglow Time (sec)	1.0	1.0	1.2	1.2	1.0	**1.1**
Char Length (mm)	78	78	72	75	81	**77**
Melting?	No	No	No	No	No	
Dripping?	No	No	No	No	No	
Width Direction						
	1	2	3	4	5	**AVG Width**
Afterflame Time (sec)	0.2	0.2	0.0	0.0	0.0	**0.1**
Afterglow Time (sec)	1.2	1.4	1.0	1.0	1.4	**1.2**
Char Length (mm)	61	75	78	72	78	**73**
Melting?	No	No	No	No	No	
Dripping?	No	No	No	No	No	

Signed for the Company by:
Jill Kirby
Lab Manager
ArcWear
Digitally signed by Jill Kirby
Date: 2019.12.12 09:22:11 -05'00'

This test report shall not be reproduced except in full, without written approval of ArcWear. Test results relate only to the item submitted for testing.
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FLAMMABILITY TESTING

When a garment is tested for flammability against the NFPA 2112 standard it has already been washed 100 times before NFPA 2112 tests are applied.

At Dromex we believed in the superior quality of our fabric and took this test one step further.

Our Dromex A.P.T™ fabric was tested against the NFPA 2112 standard and passed after 200 washes.

ARC WORKWEAR LIFESPAN

The lifespan of an Arc garment is dependent on many factors such as wash care, storage between use and wear and tear during use.

E.g. If the garment has been in use for 3 weeks and a worker is exposed to an Arc Flash incident the workwear and PPE needs to be replaced therefore the lifesan of the garment has ended.
Likewise if Arc workwear & PPE is damaged during use, it needs to be removed from service and replaced immediately.

ARC THERMAL PROTECTION VALUE

ATPV is the embroidered or printed markings on all Arc workwear & PPE.

ATPV is measured in cal/cm^2 and is defined as the maximum incident heat energy that a fabric can absorb and lessen the injury against a 2nd or 3rd degree burn.

For example, if a worker has the potential to be exposed to an incident where the heat energy level is less than 4.0 cal/cm^2, the required ATPV clothing & PPE is a minimum of 4 cal/cm^2.





HEAT ATTENUATION FACTOR (HAF)

HAF refers to the amount of heat blocked by the FR fabric. Though a fabric may be flame resistant, it may not block all of the heat to which it is exposed. An HAF of 85% means that it will block 85% of the heat the fabric encounters.
This applies to a short burst of heat - usually less than one second. In the event of prolonged heat exposure, the HAF would be lower.

Note: Synthetic fabrics generally have a lower HAF than Cotton FR Fabrics.

ARC WORKWEAR & PPE SELECTION

HAZARD / RISK CATEGORY	CLOTHING DESCRIPTION RECOMMENDED	MINIMUM REQUIRED ARC RATING OF PPE CAL/CM^2
1 HRC	Arc Rated FR shirt & FR pants or coverall	4
2 HRC	Arc Rated FR shirt & FR pants or coverall	8
3 HRC	Arc rated FR shirt or FR pants or FR coverall and arc flash suit selected so that the system arc rating meets the required minimum	25
4 HRC	Arc rated FR shirt or FR pants or FR coverall and arc flash suit selected so that the system arc rating meets the required minimum	40

NOTE: *Energy / Incident Analysis & Calculation assessments are available on request to ensure correct Arc Workwear & PPE selection according to the arc hazard present.*



100CAL ARC SUIT
BIB & BRACE, JACKET & HOOD

OEKO-TEX®

CODES: **DW-ARC100-J / BP (JACKET / BIP PANTS)**
DH-ARC100-SH (SWITCHING HOOD)
DG-ARC100 (SWITCHING GLOVE)
DH-ARC100-KIT (JACKET/PANTS/VENTILATED HOOD, GLOVES)

NFPA 2112, NFPA 70E, SANS 724, ASTM F2621-12, EN 11612:2015,
EN 61482-2-2:2020
HOOD: ASTM F2178-12
GLOVE: ASTM F2675

- ATPV 100cal/cm^2
- Dromex A.P.T Fabric - 88% Cotton, 12% Nylon
- Triple layer construction: 14oz outer,
  250gsm meta aramid FR mat lining & 14oz inner
- Inherent flame retardant thread throughout
- Fully triple needle stitched garment
- Concealed YKK Vizlon zip on jacket
- Flame retardant hook & loop closures
- Flame retardant knitted rib cuffing
- cal/cm^2 Rating embroidery on hood, jacket, bib & brace and gloves

Hood:
- Back flap with hook & loop closure for built-in fan/air system
- Flame retardant hook & loop closures
- Dromex BSD 100cal/cm^2 Arc Visor with *Real View Technology*
- Integrated fresh air arc flash ventilation system for cooling

Sizes:
- Jackets: S - 5XL
- Bib & Brace: S - 5XL
- Gloves: S/M & L/XL *(see pg 40 for more info)*

Suitable Use:
- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations
- Mining, chemical & refineries

55CAL ARC SUIT
BIB & BRACE, JACKET & HOOD

CODES: DW-ARC55-J / BP (JACKET / BIB PANTS)
DH-ARC55-SH (SWITCHING HOOD)
DH-ARC55-SHV (SWITHING HOOD WITH VENTILATION)

OEKO-TEX®

IEC 61482-1-1, NFPA 2112, NFPA 70E, SANS 724,
ASTM F1959, ASTM F2621-12, EN 11612:2015
HOOD: ASTM F2178-12

- ATPV 55cal/cm^2
- Dromex A.P.T Fabric - 88% Cotton, 12% Nylon
- Double layer construction: 14oz & 9oz inner
- Inherent flame retardant thread throughout
- Fully triple needle stitched garment
- YKK Concealed Vizlon zip on jackets
- Flame retardant hook & loop closures
- Flame retardant knitted rib cuffing
- cal/cm^2 Rating embroidery on hood, jacket, bib & brace

Hood:
- Back flap with hook & loop closure for built-in fan/air system
- Flame retardant hook & loop closures throughout
- Dromex BSD Arc Visor with *Real View Technology*
- Available with or without ventilation

Sizes:
- Jackets: S - 5XL
- Bib & Brace: S - 5XL

Suitable Use:
- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations
- Mining, chemical & refineries





25CAL ARC SUIT

CODE: DW-ARC25-J / P

OEKO-TEX®

IEC 61482-1-1, NFPA 2112, NFPA 70E, SANS 724,
ASTM F1959, ASTM F2621-12, ASTM 1506-19,
EN 11612:2015

- ATPV 25cal/cm^2
- 14oz Dromex A.P.T Fabric - 88% Cotton, 12% Nylon
- Flame retardant thread throughout
- YKK Concealed brass zips on jacket & pants
- Flame retardnt hook & loop closures
- Fully triple needle topstitched garment
- Flame retardant knitted rib cuffing
- Three jacket pockets with mitred flap & flame retardant hook & loop closure & side swing pocket on pants
- cal/cm^2 Rating embroidery on jacket & pants

Sizes:

- Jackets: S - 5XL
- Pants: S - 5XL

Suitable Use:

- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations
- Mining, chemical & refineries

NEW

Dromex ARC

25CAL ARC BOILERSUIT

CODE: DW-ARC25-RT-O

NFPA ASTM IEC 3 HRC EN YKK TRIPLE STITCHING CE 0338

OEKO-TEX®

IEC 61482-1-1, IEC 61482-1-2, NFPA 2112, NFPA 70E,
SANS 724, ASTM F1959, ASTM F2621-12, EN 11611:2015,
EN 11612:2015, EN 61482-1-2:2014, CE 0338:2016

- ATPV 25cal/cm^2
- Dromex A.P.T Fabric - 88% Cotton 12% Nylon, 305gsm
- Flame retardant thread throughout
- YKK concealed brass zip
- Flame retardant hook & loop closures
- Triple needle topstitched garment
- Flame retardant knitted rib cuffing
- Two breast pockets with mitred flap & flame retardant hook & loop closure & side entry hip pockets
- 50mm Flame retardant reflective tape on arms, legs & "X" on back
- cal/cm^2 Rating embroidery on right breast pocket flap

Sizes: 30 - 62

Suitable Use:

- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations
- Mining, chemical & refineries





15CAL ARC SUIT

CODE: DW-ARC15-J / P

OEKO-TEX®

IEC 61482-1-1, IEC 61482-1-2, NFPA 2112, NFPA 70E, SANS 724, ASTM F1959, ASTM F2621-12, EN 11611:2015, EN 11612:2015, EN 61482-1-2:2014, CE 0338:2016

- ATPV 15cal/cm^2
- Dromex A.P.T Fabric - 88% Cotton 12% Nylon, 305gsm
- Flame retardant thread throughout
- YKK concealed brass zip on jacket & pants
- Flame retardant hook & loop closures
- Full triple needle topstitched garment
- Flame retardant knitted rib cuffing
- Three jacket pockets with mitred flap & flame retardant hook & loop closure & side swing pockets on pants
- 50mm Flame retardant reflective tape on arms & legs
- cal/cm^2 Rating embroidery on jacket & pants

Sizes:

- Jackets: 30 - 68
- Pants: 28 - 66

Suitable Use:

- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations
- Mining, chemical & refineries

12.4CAL ARC SUIT*

CODE: DW-ARC12-OR

OEKO-TEX®

IEC 61482-1-1, IEC 61482-1-2, NFPA 2112, NFPA 70E, SANS 724, ASTM F1959, ASTM F2621-12, EN 11611:2015, EN 11612:2015, EN 61482-1-2:2014, CE 0338:2016

- ATPV 12.4 cal/cm^2 **Tested & approved up to 15 cal/cm^2*
- Dromex A.P.T Fabric - 88% Cotton 12% Nylon, 305gsm
- Flame retardant thread throughout
- YKK concealed brass zip on jacket & pants
- Flame retardant hook & loop closures
- Full triple needle topstitched garment
- Flame retardant knitted rib cuffing
- Three jacket pockets with mitred flap & flame retardant hook & loop closure & side swing pockets on pants
- 50mm Flame retardant reflective tape on arms & legs
- cal/cm^2 Rating embroidery on jacket & pants

Sizes:

- Jackets: 32 - 60
- Pants: 28 - 56

Suitable Use:

- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations
- Mining, chemical & refineries





15CAL ARC BOILERSUIT

CODE: DW-ARC15-O

OEKO-TEX®

IEC 61482-1-1, IEC 61482-1-2, NFPA 2112, NFPA 70E,
SANS 724, ASTM F1959, ASTM F2621-12, EN 11611:2015,
EN 11612:2015, EN 61482-1-2:2014, CE 0338:2016

- ATPV 15 cal/cm^2
- Dromex A.P.T Fabric - 88% Cotton 12% Nylon, 305gsm
- Flame retardant thread throughout
- YKK concealed brass zip
- Flame retardant hook & loop closures
- Triple needle topstitched garment
- Flame retardant knitted rib cuffing
- Two breast pockets with mitred flap & flame retardant hook & loop closure & side entry hip pockets
- 50mm Flame retardant reflective tape on arms, legs & "X" on back
- cal/cm^2 Rating embroidery on right breast pocket flap

Sizes: **30 - 64**

Suitable Use:

- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations
- Mining, chemical & refineries



LADIES

15CAL ARC SUIT

CODE: DWL-ARC15-J / P

OEKO-TEX®

IEC 61482-1-1, IEC 61482-1-2, NFPA 2112,
NFPA 70E, SANS 724, ASTM F1959, ASTM F2621-12,
EN 11611:2015, EN 11612:2015, EN 61482-1-2:2014

- ATPV 15cal/cm²
- Dromex A.P.T Fabric - 88% Cotton, 12% Nylon, 305gsm
- Full triple needle topstitched garment
- Flame retardant thread throughout
- YKK Concealed brass zips on jackets & pants
- Flame retardant hook & loop closures
- Flame retardant knitted rib cuffing
- Three jacket pockets with mitred flap & flame retardant hook & loop closure & side swing pockets on pants
- cal/cm² Rating embroidery on jacket & pants
- 50mm Flame retardant reflective tape on arms & legs

Sizes: S - 5XL

Suitable Use:

- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations
- Mining, chemical & refineries





15CAL ARC SHIRT

CODE: DW-ARC15-S

OEKO-TEX®

IEC 61482-1-1, IEC 61482-1-2, NFPA 2112, NFPA 70E, ASTM F1959,
ASTM F2621-12, EN 11611:2015, EN 61482-1-1:2009
EN 11612:2015, EN 61482-2:2009, CE 0338:2016

- ATPV 15 cal/cm^2
- Dromex A.P.T Fabric - 88% Cotton 12% Nylon, 305gsm
- Flame retardant thread throughout
- Flame retardant melamine buttons
- Triple needle topstitched garment
- Two mitred breast pockets with double needle topstitching & mitred flap
- 50mm Lime/silver/lime FR reflective tape
- cal/cm^2 Rating embroidery on right breast

Sizes: **S - 5XL**

Suitable Use:

- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations
- Mining, chemical & refineries

9.6CAL ARC SHIRT

CODE: DW-ARC9,6

OEKO-TEX®

IEC 61482-1-2, NFPA 2112, NFPA 70E, ASTM F2621-12,
EN 11611:2015, EN 11612:2015

- ATPV 9.6 cal/cm^2
- Dromex A.P.T Fabric - 88% Cotton 12% Nylon, 237gsm
- Flame retardant thread throughout
- Flame retardant melamine buttons
- Triple needle topstitched garment
- Two mitred breast pockets with double needle topstitching & mitred flap
- 50mm silver FR reflective tape
- cal/cm^2 Rating embroidery on right breast

Sizes: **S - 5XL**

Suitable Use:

- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations
- Mining, chemical & refineries





40CAL ARC THERMAL JACKET

CODE: DW-ARC40-WJ

OEKO-TEX®

NFPA 2112, EN 11611:2015, EN 11612:2015

- ATPV 40 cal/cm^2
- Dromex A.P.T Fabric - 88% Cotton 12% Nylon, 305gsm (Outer fabric & lining)
- Flame retardant wadding interlining
- Flame retardant thread throughout
- Flame retardant hook & loop closure on pockets & front
- Flame retardant rib knit cuffing on sleeves
- cal/cm^2 Rating embroidery on right breast
- 50mm Flame retardant reflective tape on arms
- Double needle topstitching on armholes & shoulders
- Rounded chest pocket and mitred flap with FR hook & loop closure
- Concealed YKK chunky nylon zip with 25mm FR hook & loop closure

Sizes: XS - 5XL

Suitable Use:

- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations
- Mining, chemical & refineries

15CAL ARC X-BIB

CODE: DW-ARCXBIB12.4

EN

OEKO-TEX®

IEC 61482-1-2, NFPA 2112, NFPA 70E, ASTM F1959,
EN 11611:2015, EN 11612:2015, EN 61482-1-2:2014,
EN ISO 20471:2013

- ATPV 15 cal/cm^2
- Dromex A.P.T Fabric - 88% Cotton 12% Nylon, 305gsm
- Flame retardant thread throughout
- Adjustable flame retardant hook & loop closure
- 50mm Lime/silver/lime flame retardant reflective tape

Sizes: **S - XL**
2XL - 5XL

Suitable Use:
- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations
- Mining, chemical & refineries





21CAL ARC DENIM JEANS

CODE: DW-ARC21-DJ

OEKO-TEX®

NFPA 2112, NFPA 70E, ASTM F1959, EN 11611:2015, EN 11612:2015, EN 61482-1-2:2014

- ATPV 21cal/cm²
- 100% Cotton, 14oz Arc Denim
- Flame retardant corespun 40 thread
- YKK concealed brass zip
- Double needle top stitching at inleg & back rise
- Swing pockets with double needle topstitch
- Five belt loops
- Back yoke with double needle topstitching
- Two back pockets with double needle topstitching
- cal/cm² Rating embroidery on right back pocket

Sizes: 28 - 50

Suitable Use:

- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations
- Mining, chemical & refineries



15CAL ARC DUST COAT

CODE: DW-ARCDC

NFPA 2112, NFPA 70E, ASTM F1959, ASTM F2621-12,
EN 11611:2015, EN 11612:2015, EN 61482-1-2:2014,
EN ISO 204471:2013, SANS 724

- ATPV 15cal/cm^2
- Dromex A.P.T Fabric - 88% Cotton, 12% Nylon, 305gsm
- Flame retardant thread throughout
- Concealed flame retardant plastic snap buttons & 25mm x 85mm hook & loop closure at front
- Flame retardant rib cuff
- 50mm Lime/silver/lime flame retardant reflective tape on arms, chest and "X" on back
- Triple needle topstitched shoulders & armholes
- Slit at centre back hem
- cal/cm^2 Rating embroidery on right breast

Sizes: S - 5XL

Suitable Use:

- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations
- Mining, chemical & refineries







9.9CAL T-SHIRT UNDERGARMENTS

CODE: DW-ARC9.9-LST (LONG SLEEVE)
DW-ARC9.9-SST (SHORT SLEEVE)

IEC 61482-1-2, NFPA 2112, NFPA 70E, ASTM F1959,
EN 11611:2015, EN 11612:2015, EN 61482-1-2:2014

- ATPV 9.9 cal/cm^2
- 88% Cotton, 12% Nylon Interlock FR Knitted Fabric, 203gsm
- Flame retardant thread throughout
- Flame retardant knitted rib cuffing
- cal/cm^2 Rating embroidery on left breast
- Suitably worn under any Dromex Arc garment

Sizes: S - 5XL

Suitable Use:
- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations
- Mining, chemical & refineries

9.9CAL BOXER SHORTS

CODE: DW-ARC 9.9-BSH

IEC 61482-1-2, NFPA 2112, NFPA 70E, ASTM F1959,
EN 11611:2015, EN 11612:2015, EN 61482-1-2:2014



- ATPV 9.9 cal/cm^2
- 88% Cotton, 12% Nylon Interlock FR Knitted Fabric, 203gsm
- Flame retardant thread throughout
- Flame retardant knitted waist band
- cal/cm^2 Rating embroidery on left leg
- Suitably worn under any Dromex Arc garment

Sizes: S - M
L - XL

Suitable Use:
- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations
- Mining, chemical & refineries

FLAME RETARDANT SOCKS

CODE: DF-9162-CH-L



- Certified to EN ISO 13688:2013+A1:2021, EN 1149-5:2018
  EN ISO 14116:2015
- Inherent LENZING ™ FR fiber
- Anti-static
- Reinforced heel & toe for durability
- Thermally balanced & odour free
- Will not burn when exposed to heat & flame
- 48% Wool, 44% LENZING ™ FR, 6% Polyamide, 2% Elasthane

Sizes: Large (8 - 11)

Suitable Use:
- Petroleum service industry
- Petrochemical industry
- Oil & gas industry
- Electrical & gas utility
- Steel mills
- Fighter pilots

NEW



ARC VISION KIT

CODE: DV-AVG28

IEC 61482-1-2, NFPA 2112, NFPA 70E, ASTM F1959,
EN 11611:2015, EN 11612:2015, EN 61482-1-2:2014

- Consists of ATPV 28 cal/cm² Arc Goggles, 31 cal/cm² Arc Balaclava and Arc Pouch
- 88% Cotton, 12% Nylon Interlock FR Knitted Fabric, 203gsm
- Flame retardant thread throughout
- Flame retardant knitted rib cuffing
- cal/cm² Rating embroidery on left breast
- Suitably worn under any Dromex Arc garment

Sizes: S - 5XL

Suitable Use:

- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations
- Mining, chemical & refineries

Dromex ARC

BSD Real View Technology



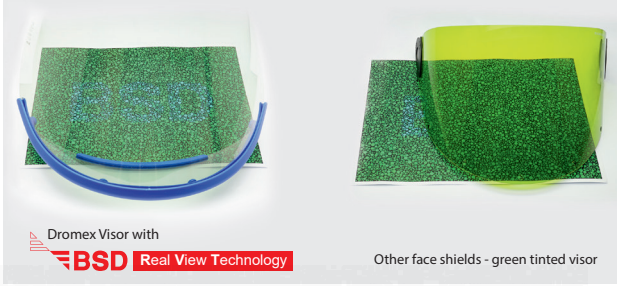
ERGOS2 ARC VISOR

CODE: ARC ERGOS3 12 / 27 & ARC ERGOS2 12-EU / 26-EU

- **Increased worker safety because of REAL VIEW of work environment.**
- New generation of face protection against the thermal hazards and impact of an arc flash
- Tested to EN 166 for protection against molten metals & hot solids
- Realistic colour reproduction >95%
- Protection against high-speed particles: medium energy impact (B)
- Extended length visor & transprent chin guard
- Optimised weight balance & no time limit on durability
- Fitted with a universal bracket for use with front brim arc rated hard hats according to EN 50365 or EN 397 standards
- Available in 12 cal/cm^2 & 27 cal/cm^2

AVAILABLE IN EURO HELMET SLOT MOUNTED OPTIONS: 12 cal/cm² & 26 cal/cm²

The lens makes the difference!



Dromex Visor with BSD Real View Technology

Other face shields - green tinted visor



ERGOS INTEC ARC HELMET

CODE: ARC ERGOS 28

- ATPV 28 cal/cm^2
- Insulated helmet with integrated retractable visor & chin protection
- Provides safety against thermal hazards of an electric arc & projected droplets of molten metal
- Electrical insulation 1000V AC & 1500V DC
- Conforms to EN 166:2001, EN 170:2002, EN 50365:2002, EN 397:2012 + A1:2012, GS-ET-29:2011 & ASTM F2178-17b
- Suitable for use by electricians during work on live equipment and work at heights on electrical connections



ARC HARD HAT

CODE: ARC HHSG 18

- Electric hard hat offering dielectric protection up to 20 000 volts
- 4-point quick fit suspension
- Adjustable Fast-Trac III rachet
- Fixed stitched sweat band
- Easily integrated with face and hearing PPE
- Suitable for use in electric / utilities & manufacturing industries

NEW

INTEC LED HEADLAMP

CODE: DH-INTECHL



- Cordless, rechargeable, dual light headlamp with self adhesive mounting clip
- Designed for use with the Dromex ErgoS Intec Arc Helmet *(Code: ARC ERGOS 28 - Pg. 38)*
- 7 Light modesLED white spotlight & COB red & white flood light
- 60 degree adjustable tilt
- Light range up to 100 meters
- Cordless with two large button switches for ease of use when wearing gloves
- IP44 water resistant up to 1 meter for 30 mins & dust proof rated
- Versatile headband for recreational use
- 1.5 - 3.5hr run time depending on light mode
- Slimline & lightweight
- USB to USB-C fast charging

Suitable Use:

- Utilities & Power Generation
- Substations & Switchrooms
- Recreational purposes (hiking, camping, riding)

ARC BALACLAVA

OEKO-TEX®

NFPA 70E & NFPA 2112

- 100% Meta-Aramid
- Single layer: 203gsm fabric
  Double layer: 406gsm fabric
- Flame retardant thread throughout
- Lightweight & breathable

Suitable Use:

Fire caused by -

- Chemicals
- Petrochemicals
- Utility/Electrical work

Sizes: One size fits all



DW-ARC9.9-BAL-S 2 HRC



DW-ARC31-BAL-DBL 3 HRC



31CAL ARC BEANIE

CODE: DW-ARC-BEAN

EN 3 HRC

OEKO-TEX®

NFPA 70E & NFPA 2112

- ATPV 31 cal/cm²
- 88% Cotton, 12% Nylon Interlock FR Knitted Fabric, 406gsm
- Double layer construction for insulation
- Pleated crown area for snug fit
- Lightweight & breathable

Sizes: One size fits all

Suitable Use:

- Mining
- Petrochemicals
- Utilities & Power Generation
- Substations & Switchrooms

16.8CAL ARC FLASH DIPPED GLOVE

CODE: NE423AF



EN 388 2341C

EN 407 41324X

2 HRC

ASTM
F2675/F2675M-13
D 3776:2013 Option C

- 42.3cal/cm^2 Arc rated palm & 16.8cal/cm^2 arc rated back
- Excellent grip in wet, oily & dry environments
- High dexterity
- High resistance to snatch, tear, cut, abrasion & heat
- Basic chemical oil stability
- Seamless knitted aramid fibre glove with a textured Nitrile micro foam & neoprene coated palm
- 13g Aramid flexibile knit fabric
- Extended 16cm cuff

Sizes: 7 - 13

Suitable Use:
- Power & utility companies
- Installation, maintenance & repairs

51CAL LEATHER ARC GLOVE

CODE: CA420



EN 388 3X33D

EN 407 X1XXXX

4 HRC

ASTM
F2675/F2675M-13

- 51cal/cm^2 Arc rated leather gloves
- High cut level D protection
- High abrasion resistance
- High resistance to snatch, tear, cut & heat
- Multi-layer protection provides flexibility, comfort & excellent insulation
- Leather glove lined with Aramid fibre
- Kevlar stitching
- Shirred extended 16cm cuff
- Cow split leather 1mm

Sizes: 8 - 11

Suitable Use:
- Power & utility companies
- Installation, maintenance & repairs of high voltage equipment

55CAL ARC SWITCHING GLOVES

CODE: DG-ARC70

NFPA ASTM IEC 4 HRC EN

OEKO-TEX®

NFPA 2112, NFPA 70E, ASTM F2675, IEC 61482-1-1,
IEC 61482-1-2, EN 11611, EN 11612, EN 61482

- ATPV 55cal/cm²
- Dromex A.P.T Fabric - 88% Cotton, 12% Nylon
- Flame retardant glove lined with meta aramid mat lining
- Inherent FR stitching throughout
- Glove thickness: 2.7mm
- Elasticated shirred glove for comfort

Sizes: S/M & L/XL

Suitable Uses:

- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations



100CAL ARC SWITCHING GLOVES

CODE: DG-ARC100

NFPA ASTM IEC 4 HRC EN

OEKO-TEX®

NFPA 2112, NFPA 70E, ASTM F2675, IEC 61482-1-1,
IEC 61482-1-2, EN 11611, EN 11612, EN61482, SANS 724

- APTV 100cal/cm² mitt-style glove
- Dromex A.P.T Fabric - 88% Cotton, 12% Nylon
- Triple layer construction: 14oz outer, 700gsm meta aramid mat lining & 14oz inner
- Inherent FR stitching throughout
- Elasticated shirred glove for an ideal fit
- cal/cm² Rating embroidery on cuff

Sizes: S/M & L/XL

Suitable Uses:

- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations



NEW



40CAL METAL FREE LEATHER BELT

CODE: DW-ARCBELT

Conforms to ASTM F2621-12

- APTV 40 cal/cm^2
- Metal-free, flame retardant, full grain cow leather belt
- Flame retardant adjustable hook & loop closure
- Flame retardant thread throughout
- Suitably worn with all Dromex Arc pants or jeans

Sizes: S - 3XL

Suitable Use:

- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations

55CAL ARC BLANKET

CODE: DW-ARCBLANK

NFPA 70E & NFPA 2112

- Dromex A.P.T Fabric - 88% Cotton, 12% FR Nylon
- Two-layer panel system
  > 14 oz Layer 1
  > 14 oz Layer 2
- Inherent FR thread throughout
- Heat transfer print & FR APTV 55cal embroidery
- Ten double-layer loops for securing in place
- Centralised cable strap with Velcro/zip strap
- Provides protection against arc blast hazards during electrical work in confined spaces

Sizes:

- Small: 1.5m x 2.4m
- XLarge: 2.5m x 4m

Suitable Use:

- Substations & switchrooms
- Utilities & power generators
- Industrial electrical maintenance & installations
- Mining





ARC FLASH TREAD SAFETY BOOT

CODE: DF-FLASH

NRCS/9002/217251/0228

- Conforms to EN ISO 20345:2011
- Water resistant full grain cow leather upper
- Slip resistant outsole, SRC
  (Slip resistance on ceramic tile floor with NaLS & on steel floor with glycerine^c)
- Kevlar midsole protects from penetrating objects & heat
- Energy absorbing heel
- Removable insole
- Oil resistant
- Contact heat resistant outsole at 300°C for 60 seconds
- Composite toecap is impact resistant up to 200 ± 4J
- Cleated outsole for additional traction
- Dual velcro closure strap design for ease of use with gloves

Sizes: 3 - 13

Suitable Use:

- Arc flash & flash fire potential
- Manufacturing (incl. computer equipment)
- Refineries

Dromex ARC

NEW



BOLT BOOT

CODE: DF-BOLT

NRCS/9002/217251/XXXX

CE NRCS



- Conforms to EN 20345:2022
- Water resistant, full grain cow leather upper
- Protection from electrical hazard risks of 18kV in accordance with the ASTM F2413-18 standard
- Slip resistant outsole, SR (Slip resistance on ceramic tile floor with with glycerine^c)
- Kevlar midsole protects from penetrating objects & heat
- PU / Rubber outsole heat resistant outsole at 300°C for 60 seconds
- Fiberglass toecap is impact resistant up to 200 ± 4J
- Removable and breathable PU and Memory Foam insole for superior comfort
- Metal-free, lace up ankle boot

Sizes: 4 - 13

Suitable Use:

- Arc flash & electrical hazards
- Manufacturing

We believe that all employees in any work environment are entitled to maximum safety protection and that employers should not have to compromise on the quality of the PPE products they provide for their staff.

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