

# Arc Flash Fact Sheet

## Workwear

Electric arc flash is one of the least understood hazards of electricity and prevalent in most industries with around 1,000 electrical accidents at work each year and as many as 25<sup>1</sup> people dying from their injuries. Most electrical accidents occur because people are working on or near equipment that is thought to be dead or known to be live but those involved are not properly prepared.

<sup>1</sup>HSE Electrical Safety at Work

The Arc Flash Protection Programme from J&K Ross helps you understand the potential risks from arc flash incidents, the control measures that may be needed and whether the provision of PPE is appropriate. Follow the three stage process to find out ...

### Risk Assess

Implement a risk assessment to identify the possibility of an arc flash in your working environment.

### React

If necessary, carry out an arc flash study to determine the potential intensity - how big is the bang?

### Realise

Put control measures in place to reduce or eliminate the risk. Only provide correct personal protection if this isn't possible.



Personal Protective Equipment (PPE) is the last line of defence.

All reasonable and practical control measures should be in place before it is issued.

# ARC BAN<sup>®</sup>

Introducing arc flash protection clothing incorporating DuPont™ Nomex®

[www.arcflashprotection.co.uk](http://www.arcflashprotection.co.uk)

# ARCBAN® Trousers

DuPont™  
**Nomex®**

The ARCBAN® clothing range incorporating DuPont™ Nomex® is designed to be “layered” to provide differing levels of protection against the risk identified. Ranging from undergarments to coveralls all the clothing is made from an antistatic fabric that helps to discharge static build up from the body and garments as well as protecting against the thermal hazards of an electric arc and also against accidental contact with heat and flame.

ARCBAN® arc flash protection clothing includes a range of workwear:

- **ARCBAN® Undergarments**
- **ARCBAN® Poloshirts**
- **ARCBAN® Trousers**
- **ARCBAN® Jackets & Coats**
- **ARCBAN® Coveralls**

#### **ARCBAN® Cargo Trousers made from Nomex® (ATPV = 7.6 cal/cm<sup>2</sup>)**

Arc protective, inherently flame resistant, antistatic, single layer trouser made from durable, ripstop fabric, Nomex® Comfort, designed to give protection against thermal hazards of an electric arc. Two front slash pockets / cargo pocket for tools with flap and velcro closure on left leg / two knee pad pockets on front legs / right back pocket with flap and velcro closure / right double rule pocket / left open back pocket / elasticated side waist (standard waistband with concealed elastication) / belt loops / plastic front zip / plastic button at waistband / reinforced with bar tacks throughout

#### **ARCBAN® Fully Lined Cargo Trousers made from Nomex® (ATPV = 29.9 cal/cm<sup>2</sup>)**

To provide protection against thermal hazards of an electric arc. Two front slash pockets / cargo pocket for tools with flap and velcro closure on left leg / two knee pad pockets on front legs / right back pocket with flap and velcro closure / right double rule pocket / left open back pocket / elasticated side waist (standard waistband with concealed elastication) / belt loops / plastic front zip / plastic button at waistband / reinforced with bar tacks throughout

**Fabric:** Nomex® Comfort 220g/m<sup>2</sup>  
(93% Nomex®, 5% Kevlar®, 2% P-140 Carbon Antistatic Fibre)

**Standards:** EN531 A B1 C1  
Compliant with the requirements of EN1149-3:2004 and prEN1149-5:2006-04  
CE Certified to garment standard IEC 61482-2, Open arc method EN61482-1-1 ATPV = 7.6 cal/cm<sup>2</sup>  
Outer fabric meets EN61482-1-2 (arc in a box) Class 1 (4KA)

**Sizes:** Waist 28” 30” 32” 34” 36” 38” 40” 42” 44” 46”  
Waist (in cm) 71 76 81 86 91cm 97 102 107 112 117  
Inside Leg 33”/84cm / 31”/79cm

**Colours:** Dark Blue / Orange

#### **PPE supplied should match the calculated level of risk to ensure adequate protection.**

Call us to discuss your complete arc flash requirements. If you haven't found what you are looking for we can develop bespoke garments (subject to quantity). All garments can be customised with your logo, assisting with corporate identity.

**Web:** [www.arcflashprotection.co.uk](http://www.arcflashprotection.co.uk)

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The ARCBAN range also includes garments for outdoor wear as well as helmets and visors to protect the head and face, and gloves to protect the hands.

Visit our website to download factsheets on: Head & Face Protection, Hand Protection and Outdoor wear