

No better protection.



ArcFlash



ELLIOTTS

No better protection.

At Elliotts, we are passionate about taking great care in everything we do, making sure you have the best protection on your body that's possible to create. This shouldn't come as a surprise, after all, for more than 55 years, we have been in the business of manufacturing and supplying specialised personal protective clothing and equipment designed to protect the users of these products better than anything else.

Our passion for quality and reliable service is matched by world-class partnerships and a never-ending quest for the most innovative safety and care technologies available where they are and before you know you need them.

Elliotts quality Personal Protective Clothing (PPC) and Personal Protective Equipment (PPE) are proven on the job every day. They are specified routinely for and by workers in metal, petrochemical, mining, emergency services, construction and other industries where hazards exist.

These reliable and popular products are part of a comprehensive range that has evolved over time and is based on the common foundation of ensuring our customers have the best protection available when at work.

Elliotts is a quality-endorsed company with many of its products certified to specific Australian and International standards applying to protective clothing and equipment. This means our customers are guaranteed superior product performance across our entire range. It also means that workers use our products with confidence and peace of mind.

Testing to International Standards

Elliotts are committed to providing the best protective solutions that meet and exceed international industry standards. Most manufacturers use test reports supplied by fabric manufacturers, make up a garment and call it an ArcFlash suit. Independent third-party testing of, not only fabrics but garments and hoods provide the wearer with the confidence that the PPE will provide the protection it claims.

At Elliotts, we have always ensured our fabrics and fabric assemblies are tested but we take it a step further by getting our completed garments also tested. Our Category 4 hoods and garments are tested by ArcWear at Kinectrics High Current Laboratory in Canada.

Specialist Safety Advice

Our experienced Regional Managers can visit your site and assist in identifying what type of protection is the most suitable for your specific circumstances. We can provide sample materials if required for you to conduct your own tests to help you select the most suitable fabric combinations.



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What is Arc Flash safety?



What is an Arc Flash?

An Arc Flash is an electrical current that is passed through the air when insulation or isolation between electrified conductors is no longer sufficient to withstand the applied voltage. The extremely high temperatures of these arcs are about four times higher than that of the sun's surface, can set fire to clothing and severely burn human skin in fractions of a second at a significant distance from the events. The sound blast alone can cause eardrums to rupture.



How is an Arc Flash measured?

In order to identify the specific arc flash hazard at a given piece of equipment within a facility, an arc flash study must be performed. The result of an arc flash study will categorise the hazard at specific equipment based on the incident energy, as well as identify the Arc Flash Protective Boundary – this is the closest approach allowed before PPE must be worn. Inside the Arc Flash Protection Boundary, a worker must be wearing PPE.



What PPE should you wear?

At Elliotts, we recommend that Arc Rated FR clothing should be standard for any employee working on or near energised electrical systems. This will ensure that a worker's clothing offers protection from an arc flash exposure rather than producing an additional hazard. The clothing must offer maximum protection while ensuring the worker is comfortable.

Arc Flash, Arc Rated FR clothing and other PPE should be provided as a last line of defence in the event there is an accident and to ensure workers are protected from harm which can result in severe injury or even death.



Common Terms



Arc Rated (AR)

Used to describe Personal Protective Equipment and fabrics designed to offer protection against electrical arc flashes. Arc Rated fabrics are tested to ASTM D6413 to determine flame resistance, as well as a variety of other test methods. All of the required testing can be found in ASTM F1506 which is the performance standard for materials used to make Arc Rated clothing for electrical workers. One of the required tests is ASTM F1959, which is used to determine a fabric's Arc Rating or the level of incident energy that it will protect against.

Put simply: All AR garments are Flame Resistant but not all FR garments are Arc Rated.

Flame Resistant (FR)

The property of a material whereby combustion is prevented, terminated, or inhibited following the application of a flaming or non-flaming source of ignition, with or without subsequent removal of the ignition source. FR clothing and garments made from those materials have the ability to self-extinguish (with an after-flame of 2 seconds or less) and will not melt or drip.

Hazard Risk Category (HRC)

Categories defined by NFPA 70E-2004 to explain protection levels needed when performing tasks. The values range from -1 to 4. ATPV rated PPE is required for categories 1 through 4 as follows:

Category 1: 4 cal/cm² **Category 2:** 8 cal/cm²
Category 3: 25 cal/cm² **Category 4:** 40 cal/cm²

HRC has now been replaced by PPE Category Levels

PPE Category Levels

The 2018 edition of NFPA 70E changed the way measurement is completed and PPE is selected. This most recent edition removed the concept of Hazard Risk Categories and the option to wear Non-FR/AR natural fibre garments in HRC 0 was eliminated. The standard now uses PPE categories which are based on an incident energy analysis.

Elliott Arc Flash Garments are now labelled PPE 1, PPE 2, PPE 3 or PPE 4 (See Page 7 for more details).

NFPA

The National Fire Protection Association.

NFPA 70E Standard

The standard that provides guidance on implementing appropriate work practices that are required to safeguard workers from injury while working on or near exposed electrical conductors or circuit parts that could become energised.

ASTM

American Society for Testing and Materials.

Calories per centimetre squared (cal/cm²)

This is a number identifying the amount of energy that can be delivered to a point at a particular distance from an arc flash. Once this value is known, the ATPV rating of the flash clothing required for work at that distance from the potential flash hazard is also known. See ATPV.

Arc Thermal Performance Value (ATPV)

Is a type of arc rating. It measures the incident energy that results in a 50% probability of a second-degree burn. When someone refers to an arc rating for their arc flash PPE, they are often referring to the ATPV that a garment has achieved.

The ATPV is presented in calories per square centimetre and represents the maximum capability for arc flash protection of a particular garment. This rating also applies to fabrics, however, a garment made from more than one layer of arc flash rated fabric will have a calorie per square centimetre rating greater than the sum of the ATPV ratings of the original fabrics.

Calorie

A calorie is the energy required to raise one gram of water one degree Celsius at one atmosphere. The onset of second-degree burns may occur at 1.2 calories per centimetre squared per second. One calorie per centimetre squared per second can be equal to holding your finger over the tip of the flame of a cigarette lighter for one second.

Arc Flash Standards and Icons



ASTM F2621 (Arc Flash Garments and Apparel)



Standard Practice for Evaluating Response Characteristics of Safety Products in an Electric Arc Exposure. Once the arc rating of a fabric or composite is established (ASTM F1959), a garment is evaluated using ASTM F2621 in an arc flash exposure as a design test of a finished product using. Mannequins for arc testing are not censored; the garment is exposed at or above the approximate arc rating of the material and the fabric, findings, accessories, etc. are checked for breakopen, melting and dripping, and shrinkage. The closures on the garment are also checked for functionality (an NFPA 70E Requirement).

ASTM F1506 (Arc Rated Fabrics)



Standard Performance Specification for Textile Materials for Wearing Apparel for Use by Electrical Workers Exposed to Momentary Arc and Related Thermal Hazards. The Standard was developed to give minimum performance specifications for protective clothing. The two major requirements of this specification was that the fabric is flame resistant, determined by using the standard vertical flame test (ASTM D6413) and has received an Electric Arc Rating or ATPV.

ASTM F2178 (Arc Flash Hoods and Face Shields)



Standard Test Method for Determining the Arc Rating and Standard Specification for Eye or Face Protective Products. This Standard is used to calculate the Arc Rating (ATPV or EBT) for face shield, hood, and balaclava/goggle PPE products. Testing is performed using the ASTM F2178 Specification and the Arc Rating is determined using a mannequin head mounted with sensors measuring the incident energy and heat transfer through the product as compared to the Stoll Curve. Arc flash hoods are assigned the Arc Rating that is the lowest between the face shield component and the fabric component of the product.

AS/NZS 4602.1 (High Visibility Safety Garments)



High visibility safety garments for high-risk applications. This Standard specifies the visual requirements for high visibility safety garments for occupational wear by people who may be exposed to the hazard of moving traffic, moving plant or equipment in high-risk situations. The Standard covers garments suitable for daytime wear, night-time wear where they will be seen by retroreflected light or for wear under both conditions but excludes garments for use by fire services.

IEC 61482-1-2 Box Testing (Arc Flash Garments and Apparel)



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). The box method is performed using a plaster box to focus a short arc toward a panel of fabric or a garment. There are two exposures: 4000 A, 0.5 second (Class 1) and 7000A, 0.5 second (Class 2). The requirements below must be met to pass testing and the end result is a classification of 1 or 2. Testing is performed in accordance with IEC 61482-1-2 Live working – Protective clothing against the thermal hazards of an electric arc, Part 2 Requirements. This method assigns one of the two Arc Protection Classes (APC) above. This may be used to correlate to any energy level below that of the highest APC.

Box Test Method Acceptance Criteria:

- No melting through to the inner side
- After flame less than or equal to 5 seconds
- No hole larger than 5mm in any direction
- All 8 value pairs in testing must be below the Stoll Curve in the tests of the selected APC

AS/NZS 4836 (Arc Flash Garments and Apparel)



Safe working on or near low-voltage electrical installations and equipment. This Standard outlines principles and procedures of safe work, organisation and performance on or near low-voltage electrical installations and equipment. It provides a minimum set of procedures, safety requirements and recommendations to manage the hazards associated with electricity, specifically arc blast, arc flash, electric shock and electrocution and has specific requirements for PPE.

ENA NENS 09-2006 Guidelines (Arc Flash Garments and Apparel)



National Guidelines (Australia) for the selection, use and maintenance of personal protective equipment for electrical hazards around Arc Flash protective clothing. These Guidelines set minimum standards for the selection, use and maintenance of Personal Protective Equipment (PPE) when used to protect employees against the electrical hazards within the electricity supply industry.

Arc Flash Categories and Icons



PPE Category Rating

The Arc Flash Personal Protective Equipment (PPE) Category is determined by consulting the PPE tables in article 130.7 of the NFPA 70E standard. The PPE level is measured by the minimum amount of calories/cm².

There are four risk levels, and the following chart illustrates the 4 PPE levels with corresponding clothing and minimum arc ratings.

Hazard/Risk Category	Clothing Description Typical number of clothing layers is given	Required Minimum Arc Rating of PPE cal/cm ²
 <ul style="list-style-type: none"> • Required AR Clothing: Arc Rated long sleeve shirt and pants or coverall • Required AR Face and Head Protection: Arc Rated Face Shield (with "wrap around" guarding to protect the forehead, ears and neck) or Arc Flash Suit Hood • As Needed: Arc rated jacket, Rainwear, Parka Hard Hat Liner <p>In addition to AR Clothing and Head Protection, the following products are required or to be used as needed:</p> <ul style="list-style-type: none"> • Required Hand Protection: Heavy Duty Leather Gloves • Additional PPE: Hard Hat, Eye Protection (Glasses or Goggles), Hearing Protection • Footwear: Safety Leather Footwear (as needed) 		4
 <ul style="list-style-type: none"> • Required AR Clothing: Arc Rated long sleeve shirt and pants or coverall • Required AR Face and Head Protection: Arc Rated Arc Flash Suit Hood or AR Face Shield and Balaclava • As Needed: Arc rated jacket, Rainwear, Parka Hard Hat Liner <p>In addition to AR Clothing and Head Protection, the following products are required or to be used as needed:</p> <ul style="list-style-type: none"> • Required Hand Protection: Heavy Duty Leather Gloves • Additional PPE: Hard Hat, Eye Protection (Glasses or Goggles), Hearing Protection • Footwear: Safety Leather Footwear (as needed) 		8
 <ul style="list-style-type: none"> • Required AR Clothing: Arc Rated long sleeve shirt and pants or coverall and Arc Rated Arc Flash Suit comprising jacket and pants or coat and leggings • Required AR Face and Head Protection: Arc Rated Arc Flash Suit Hood • Required AR Hand Protection: Arc Rated Gloves or Rubber Insulating Gloves & Leather Protectors • As Needed: Arc rated jacket, Rainwear, Parka Hard Hat Liner <p>In addition to AR Clothing and Head Protection, the following products are required:</p> <ul style="list-style-type: none"> • Additional PPE: Hard Hat, Eye Protection (Glasses or Goggles), Hearing Protection, Safety Leather Footwear 		25
 <ul style="list-style-type: none"> • Required AR Clothing: Arc Rated long sleeve shirt and pants or coverall and Arc Rated Arc Flash Suit comprising jacket and pants or coat and leggings • Required AR Face and Head Protection: Arc Rated Arc Flash Suit Hood • Required AR Hand Protection: Arc Rated Gloves or Rubber Insulating Gloves & Leather Protectors • As Needed: Arc rated jacket, Rainwear, Parka Hard Hat Liner <p>In addition to AR Clothing and Head Protection, the following products are required:</p> <ul style="list-style-type: none"> • Additional PPE: Hard Hat, Eye Protection (Glasses or Goggles), Hearing Protection, Safety Leather Footwear 		40

Arc Flash PPE Testing



Independent Arc Flash Garment Testing

What is Arc Flash PPE Testing?

Arc flash testing is the process of determining the arc rating for materials and equipment to be used in electrical hazardous environments or a means of evaluating PPE which is not arc rated for exposure to potential electric arcs (such as shoes, boots, respirators, etc.).

Arc ratings are important in assisting companies and manufacturers to comply with standards and regulations and in keeping the workforce safe in a potential arc flash situation. Arc flash testing allows safer choices of PPE for your hazard and minimising injury.

What are the Standards and Test Methods?

The key standards and Test Methods can be grouped into several main categories:

- **Fabrics and Materials:** ASTM F1506, ASTM F1959, IEC 61482-2, IEC 61482-1-1 and IEC 61482-1-2
- **Garments:** ASTM F2621 and IEC 61482-1-1 Method B)
- **Face and eye protection (Hoods and Face Shields):** ASTM F2178
- **Gloves:** ASTM F2675
- **Blankets:** ASTM F2676

Why Arc Flash PPE Testing?

Fabric and material testing is the first but not the last stage when manufacturing quality arc flash protective clothing. All reputable fabric manufacturers provide independent test reports on the fabrics and materials they provide.

Just because the materials used in an arc flash garment are tested does not guarantee that the garments they are used in will protect the wearer from the anticipated hazard! Workplaces with a focus on safety and protecting their workforce demand independent testing of the completed product.

Performing garment, hood and face shield arc flash testing by independent third parties:

- Assures the PPE selected has an Arc Rating.
- Allows you to choose appropriate PPE that meets the needs of the anticipated hazard.
- Assures the PPE you are wearing will not contribute to injury.
- Provides peace of mind for the workforce.

Elliotts PPE Category 4 Ranges are Independently Tested by Kinectrics

The Elliotts ArcSafe® PPE CAT 4 Arc Flash clothing has been independently tested by High Current Laboratory of Kinectrics in Canada.

The Elliotts ArcSafe® PPE CAT 4 hood has been tested to ASTM F2178 and the garments are tested to ASTM F261 which required that the finished product be exposed to a level as close as possible to the arc rating of the fabric or system.



Other Common Terms and Definitions



Ablation

Ablation is defined as the removal of material from the surface of an object by vaporisation, chipping, or other erosive processes. The term occurs in space physics associated with atmospheric reentry, in glaciology, medicine and passive fire protection.

Calorie

A calorie is an energy measurement used to characterise the amount of arc flash energy which is required to cause a second-degree (blister burn) on human skin. Without protection, according to the Stoll Curve, it takes about 1.2 cal/cm² to cause a second-degree burn.

EBT

Energy Breakopen Threshold (EBT) is a rating assigned to Fire Resistant Clothing indicating the level of protection provided. EBT is used when ATPV cannot be measured due to flame-resistant fabric break open. EBT is also measured in calories per centimetre squared (cal/cm²).

Heat Attenuation Factor (HAF)

This is the amount of heat blocked by the fabric. Even though a fabric may be 100 percent flame resistant, that does not mean it will block all of the heat to which it is exposed. A HAF of 85% means that it will block 85% of the heat the fabric encounters. This applies to a short burst of arc flash heat typically less than one second. In the event of prolonged heat exposure, the HAF would be much lower.

ArcWear A Division of Kinectrics

Globally, ArcWear – A Kinectrics Company, is the most experienced company for arc flash testing, doing 90% of the world's arc flash testing. Their reputation for accuracy and informative results is unsurpassed in the industry. Headquartered in Louisville, Kentucky, ArcWear receives more than 100 items for arc flash testing per month that are completed at their sister lab Kinectrics High Current Laboratory in Toronto, Canada.



Our Range

ArcSafe® X50

The ArcSafe® X50 range is the next generation of ArcFlash PPE designed with a focus on not only the protection but also the comfort of the end-user. The X50's ergonomic design is focused on maximising comfort and increasing the wearer's freedom of movement.



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ArcSafe® S40

The ArcSafe® S40 features a new super lightweight 380gsm system that is ideal for hot conditions and wicks moisture away from the body improving wearer comfort.



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ArcSafe® T40

The ArcSafe® T40 range is manufactured from TenCate Tecasafe® Plus material, which offers excellent moisture management and is extremely comfortable to wear, offering wearers a soft and breathable suit.



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ArcSafe® T9

The ArcSafe® T9 range is a lightweight PPE 2 option, manufactured from TenCate Tecasafe® Plus material, which offers excellent moisture management and is extremely comfortable to wear, offering wearers a soft and breathable suit.



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ArcFlash Visors





ArcSafe® Highly Transparent Lift Front Visor

The Elliotts ArcSafe® Lift Front Visor is highly transparent and incorporates the latest grey-colour face shield technology, which allows full-colour recognition. The lift front design allows quick and easy access to fresh air and the ability to release the built-up of heat and carbon dioxide.

Placed into our X50 and S40 Ranges, this visor provides the user with unmatched air ventilation and an easy way to effectively communicate with other teammates while maintaining safety on the job site. Simply grip the latch assembly located at the front of the shield, and lift the window. To lower the shield, just pull it back down into position.

Features

- Incorporates the latest grey-coloured highly transparent face shield which allows full-colour recognition.
- A large toric window ensures; superior peripheral vision, reduces internal glare, can be worn with prescription glasses/eyewear without distortion and reduces eye stress and strain.
- Transparent chin protector allows the user a wide field of view, excellent downward vision and the ability to check one's footing.
- The nanoparticle formula ensures the performance of the shield is not negatively affected when scratched.
- Abrasion-resistant coating on the front surface and a permanent anti-fog coating on the interior.
- The hood includes front and side air vents for indirect ventilation when the face shield is closed.
- Improves wearer comfort and allows the release of built-up heat and carbon dioxide.
- Auditory ports allow for auditory communication through side ports and front ports when the face shield is closed.



ArcSafe® Highly Transparent Standard Visor

The Elliotts ArcSafe® Highly Transparent Standard Visor is very similar to its lift front counter path, with a grey coloured highly transparent face shield which allows full-colour recognition.

Features

- Incorporates the latest grey-coloured highly transparent face shield which allows full-colour recognition.
- The nanoparticle formula ensures the performance of the shield is not negatively affected when scratched.
- Abrasion-resistant coating on the front surface and a permanent anti-fog coating on the interior.

Optional Extras for Visors

ArcSafe® StreamLight® Flashlight Kit

Designed to provide high-intensity illumination in low light areas or when working up close. Designed to be used with our ArcSafe® Lift Front Visor.

Features

- Can be fitted to one or both sides of the visor
- Thermoplastic flashlight
- Polycarbonate lens
- LED Bulb
- Plastic alloy articulated light mount
- ATPV 50 cal/cm² and certified to NFPA 70E
- Uses 2 AAA batteries
- Brightness: 60 lumens, 57m beam
- Run time: 16 hours



Part Number	Item
ASALMKIT	ArcSafe® StreamLight® Flashlight Kit

ArcSafe® ArcVents

Rear ArcVents can be added to our X50 and S40 hoods for additional ventilation. The release of heat and carbon dioxide and auditory communication improvement.

Features

- The addition of side air vents allows for indirect ventilation.
- Improves wearer comfort
- Allows the release of built-up heat and carbon dioxide.



Part Number	Items
EASCHX50AV	X50 Standard Hood with ArcVents
EASCHLFX50AV	X50 Lift Front Hood with ArcVents
EASCHS40AV	S40 Standard Hood with ArcVents
EASCHLFS40AV	S40 Lift Front Hood with ArcVents

ArcSafe® X50



The ArcSafe® X50 Arc Switching range's fabric system is ideal for hot conditions and wicks moisture away from the body improving wearer comfort.

Outer Fabric: 180gsm etek™ NXT™

Lining Fabric: 310gsm T-Gard® III Plus

- These garments have been independently tested by Kinectrics to ASTM F2621-19 Standard Practice for Determining Response Characteristics and Design Integrity of Arc Rated Finished Products in an Electric Arc Exposure and IEC 61482-1-2 – Box Testing Class 2.
- These ArcSafe ArcFlash protective garments comply to AS4602.1:2011 High Visibility Safety Garments: Garments for high-risk applications.
- X50 garments comply with the PPE requirements of AS 4836:2011 Safe working on or near low-voltage electrical installations and equipment and ENA NENS 09-2014 National Guideline for the Selection, Use and Maintenance of PPE for Electrical Arc Hazards – Arc Rated Garments and Hoods.
- The X50 fabric ensemble has been independently tested by Kinectrics to ASTM F1506 Standards for Flame Resistant Fabrics – ASTM F1506 & IEC 61482-1 Method A – Fabrics.



ArcSafe® X50 ArcFlash Switching Coat

Arc Rating: ATPV – 52cal/cm; PPE4

- Length 1300mm
- Ergonomic design includes an action back, underarm gussets and articulated sleeves for greater range of movement and improved comfort levels
- Heavy duty zipper and hook + loop closure system
- Internal Nomex knitted wristers with 25mm hook + loop closure tab
- Reinforced sleeve cuffs and coat hem for greater durability
- **Optional:** Silver FR reflective trim – Class D/N.



Standard X50 Coat	with Reflective Trim	Size
EASCCX50SML	EASCCX50T1SML	SML
EASCCX50MED	EASCCX50T1MED	MED
EASCCX50LRG	EASCCX50T1LRG	LRG
EASCCX50XLG	EASCCX50T1XLG	XLG
EASCCX502XL	EASCCX50T12XL	2XL
EASCCX503XL	EASCCX50T13XL	3XL

PRODUCT CERTIFICATION



BSI Certified Product
AS/NZS 4602.1:2011
BMP No 739979

*Custom sizes available upon request.

ArcSafe® X50 ArcFlash Switching Leggings

Arc Rating: ATPV – 52cal/cm; PPE4

- Length 400mm
- 50mm hook + loop rear closure.



Part Number	Size
EASCLX50	One size fits all

IMPORTANT: NFPA 70E Compliance requires wearing of the whole system (3-piece) as ONE UNIT. 3 Pieces including hood, coat and leggings or hood, jacket and bib & brace trousers. Once a garment has been exposed to an arc flash, it must be removed from service.

ArcSafe® X50 ArcFlash Switching Jacket

Arc Rating: ATPV – 52cal/cm; PPE4

- Length 870mm
- Ergonomic design includes an action back, underarm gussets and articulated sleeves for greater range of movement and improved comfort levels
- Heavy duty zipper and hook + loop closure system
- Internal Nomex knitted wristers with 25mm hook + loop closure tab
- Reinforced sleeve cuffs and jacket hem for greater durability
- **Optional:** Silver FR reflective trim – Class D/N.



Standard X50 Jacket	with Reflective Trim	Size
EASCJX50SML	EASCJX50T1SML	SML
EASCJX50MED	EASCJX50T1MED	MED
EASCJX50LRG	EASCJX50T1LRG	LRG
EASCJX50XLG	EASCJX50T1XLG	XLG
EASCJX502XL	EASCJX50T12XL	2XL
EASCJX503XL	EASCJX50T13XL	3XL

PRODUCT CERTIFICATION



BSI Certified Product
AS/NZS 4602.1:2011
BMP No 739979

*Custom sizes available upon request.

ArcSafe® X50 ArcFlash Switching Bib & Brace Trousers

Arc Rating: ATPV – 52cal/cm; PPE4

- Bib + brace design
- Ergonomic articulated knees for greater range of movement and improved comfort levels
- 50mm heavy duty braces
- Hook + loop side closure tabs for snug fit
- Leg cuff hook + loop closure tabs
- **Optional:** Silver FR reflective trim – Class D/N.



Standard X50 Trousers	with Reflective Trim	Size
EASCTX50SML	EASCTX50T1SML	SML
EASCTX50MED	EASCTX50T1MED	MED
EASCTX50LRG	EASCTX50T1LRG	LRG
EASCTX50XLG	EASCTX50T1XLG	XLG
EASCTX502XL	EASCTX50T12XL	2XL
EASCTX503XL	EASCTX50T13XL	3XL

PRODUCT CERTIFICATION



BSI Certified Product
AS/NZS 4602.1:2011
BMP No 739979

*Custom sizes available upon request.



ArcSafe® X50 ArcFlash Lift Front Switching Hood

Arc Rating: ATPV – 52cal/cm; PPE4

Lift Front Design

- Allows easy and quick access to fresh air and release of built-up heat and carbon dioxide
- Integrated hard hat
- Ensures wearer is still wearing head protection
- The hood includes front and optional side air vents for indirect ventilation when the face shield is closed and increased auditory communication.
- Improves wearer comfort and allows the release of built-up heat and carbon dioxide.

Face Shield – Highly Transparent Grey with Full Colour Recognition

- Grey-coloured highly transparent face shield allows for full-colour recognition
- A large toric window ensures superior peripheral vision and reduces internal glare
- Can be worn with prescription glasses
- Transparent chin protector allows the user a wide field of view, excellent downward vision and the ability to check one’s footing
- Abrasion-resistant coating on the outside and a permanent anti-fog coating on the interior.



Part Number	Item
EASCHLFX50	Lift Front Switching Hood
EASCHLFX50AV	With Optional ArcVents
ASALMKIT	Streamlight Flashlight and Bracket

ArcWear
A DIVISION OF KINECTRICS



IMPORTANT:

NFPA 70E Compliance requires wearing of the whole system (3-piece) as ONE UNIT. 3 Pieces including hood, coat and leggings or hood, jacket and bib & brace trousers. Once a garment has been exposed to an arc flash, it must be removed from service.

ArcSafe® X50 ArcFlash Beekeeper Switching Hood

Arc Rating: ATPV – 52cal/cm; PPE4

Design

- Traditional beekeeper hood design
- Integrated hard hat.

Face Shield – Highly Transparent Grey with Full Colour Recognition

- The grey-coloured highly transparent face shield allows for full-colour recognition
- The nanoparticle formula ensures the performance of the shield is not negatively affected when scratched
- Abrasion-resistant coating on the front surface and a permanent anti-fog coating on the interior.



Part Number	Item
EASCHX50	Beekeeper Switching Hood
EASCHX50AV	With Optional ArcVents

ArcSafe® X50 ArcFlash Switching Gloves

Arc Rating: ATPV – 52cal/cm; PPE4

- **Length:** 420mm

Materials:

- **Outer Fabric:** etek™ NXT™
- **Lining Fabric:** T-Gard® III Plus.



Part Number	Size
EASCGX50SML	SML
EASCGX50MED	MED
EASCGX50LRG	LRG
EASCGX50XLG	XLG





ArcSafe® X50 ArcFlash Switching Coat & Leggings Kit

with Lift Front Hood

Elliotts ArcSafe® Switching kits provide the perfect solution for the total ArcFlash Switching system.

This kit includes:

- ArcSafe® X50 Lift Front Hood
- ArcSafe® X50 Coat
- ArcSafe® X50 Leggings
- ArcSafe® X50 Gloves
- Gear Bag.

Part Number	Size
EASKCLHLX50	SML-3XL



ArcSafe® X50 ArcFlash Switching Coat & Leggings Kit

with Beekeeper Hood

Elliotts ArcSafe® Switching kits provide the perfect solution for the total ArcFlash Switching system.

This kit includes:

- ArcSafe® X50 Beekeeper Hood
- ArcSafe® X50 Coat
- ArcSafe® X50 Leggings
- ArcSafe® X50 Gloves
- Gear Bag.

Part Number	Size
EASKCLHSX50	SML-3XL



ArcSafe® X50 ArcFlash Switching Jacket and Bib & Brace Trousers Kit

with Lift Front Hood

Elliotts ArcSafe® Switching kits provide the perfect solution for the total ArcFlash Switching system.

This kit includes:

- ArcSafe® X50 Lift Front Hood
- ArcSafe® X50 Jacket
- ArcSafe® X50 Bib & Brace Trousers
- ArcSafe® X50 Gloves
- Gear Bag.

Part Number	Size
EASKJTHLX50	SML-3XL



ArcSafe® X50 ArcFlash Switching Jacket and Bib & Brace Trousers Kit

with Beekeeper Hood

Elliotts ArcSafe® Switching kits provide the perfect solution for the total ArcFlash Switching system.

This kit includes:

- ArcSafe® X50 Beekeeper Hood
- ArcSafe® X50 Jacket
- ArcSafe® X50 Bib & Brace Trousers
- ArcSafe® X50 Gloves
- Gear Bag.

Part Number	Size
EASKJTHSX50	SML-3XL

IMPORTANT: NFPA 70E Compliance requires wearing of the whole system (3-piece) as ONE UNIT. 3 Pieces including hood, coat and leggings or hood, jacket and bib & brace trousers. Once a garment has been exposed to an arc flash, it must be removed from service.

ArcSafe® S40



The ArcSafe® S40 Arc Switching gear is made from Norfab NF Arc™ and OmniQuilt™ thermal liner with an ATPV 46 PPE4. This NEW super lightweight system is ideal for hot conditions and wicks moisture away from the body improving wearer comfort.

Outer Fabric: 173gsm Norfab NF Arc™

Lining Fabric: 207gsm OmniQuilt™

- This garment has been independently tested by Kinectrics to ASTM F2621-19 Standard Practice for Determining Response Characteristics and Design Integrity of Arc Rated Finished Products in an Electric Arc Exposure and IEC 61482-1-2 – Box Testing Class 2.
- The S40 fabric ensemble has been independently tested by Kinectrics to ASTM F1506 Standards for Flame Resistant Fabrics – ASTM F1506 & IEC 61482-1 Method A – Fabrics.

ArcSafe® S40 ArcFlash Switching Coat

Arc Rating: ATPV – 46cal/cm; PPE4

- Super lightweight 380gsm S40 fabric system
- Length 1300mm
- Ergonomic design includes an action back, underarm gussets and articulated sleeves for a greater range of movement and improved comfort levels
- Heavy duty zipper and 25mm hook + loop closure system
- Internal Nomex knitted wristers with hook + loop closure tab
- Reinforced sleeve cuffs and coat hem for greater durability.



Part Number	Size
EASCCS40SML	SML
EASCCS40MED	MED
EASCCS40LRG	LRG
EASCCS40XLG	XLG
EASCCS402XL	2XL
EASCCS403XL	3XL

*Custom sizes available upon request.

ArcSafe® S40 ArcFlash Switching Leggings

Arc Rating: ATPV – 46cal/cm; PPE4

- Super lightweight 380gsm S40 fabric system
- Length 400mm
- 50mm hook + loop rear closure.



Part Number	Size
EASCLS40	One Size Fits All

IMPORTANT: NFPA 70E Compliance requires wearing of the whole system (3-piece) as ONE UNIT. 3 Pieces including hood, coat and leggings or hood, jacket and bib & brace trousers. Once a garment has been exposed to an arc flash, it must be removed from service.

ArcSafe® S40 ArcFlash Switching Jacket

Arc Rating: ATPV – 46cal/cm; PPE4

- Super lightweight 380gsm S40 fabric system
- Length 870mm
- Ergonomic design includes an action back, underarm gussets and articulated sleeves for a greater range of movement and improved comfort levels
- Heavy duty zipper and 25mm hook + loop closure system
- Internal Nomex knitted wristers with hook + loop closure tab
- Reinforced sleeve cuffs and jacket hem for greater durability.



Part Number	Size
EASCJS40SML	SML
EASCJS40MED	MED
EASCJS40LRG	LRG
EASCJS40XLG	XLG
EASCJS402XL	2XL
EASCJS403XL	3XL

*Custom sizes available upon request.

ArcSafe® S40 ArcFlash Switching Bib & Brace Trousers

Arc Rating: ATPV – 46cal/cm; PPE4

- Super lightweight 380gsm S40 fabric system
- Bib & brace design
- Ergonomic articulated knees for a greater range of movement and improved comfort levels
- 50mm heavy duty braces
- Hook + loop side closure tabs for a snug fit
- Leg cuff hook + loop closure tabs.



Part Number	Size
EASCTS40SML	SML
EASCTS40MED	MED
EASCTS40LRG	LRG
EASCTS40XLG	XLG
EASCTS402XL	2XL
EASCTS403XL	3XL

*Custom sizes available upon request.





ArcSafe® S40 ArcFlash Lift Front Switching Hood

Arc Rating: ATPV – 46cal/cm; PPE4

Lift Front Design

- Allows easy and quick access to fresh air and release of built-up heat and carbon dioxide
- Integrated hard hat
- Ensures wearer is still wearing head protection
- The hood includes front and optional side air vents for indirect ventilation when the face shield is closed and increased auditory communication
- Improves wearer comfort and allows the release of built-up heat and carbon dioxide.

Face Shield – Highly Transparent Grey with Full Colour Recognition

- Grey-coloured highly transparent face shield allows for full-colour recognition
- A large toric window ensures superior peripheral vision and reduces internal glare
- Can be worn with prescription glasses
- Transparent chin protector allows the user a wide field of view, excellent downward vision and the ability to check one's footing
- Abrasion-resistant coating on the outside and a permanent anti-fog coating on the interior.



Part Number	Item
EASCHLFS40	Lift Front Switching Hood
EASCHLFS40AV	With Optional ArcVents
ASALMKIT	Streamlight Flashlight and Bracket



IMPORTANT:
 NFPA 70E Compliance requires wearing of the whole system (3-piece) as ONE UNIT. 3 Pieces including hood, coat and leggings or hood, jacket and bib & brace trousers. Once a garment has been exposed to an arc flash, it must be removed from service.

ArcSafe® S40 ArcFlash Beekeeper Switching Hood

Arc Rating: ATPV – 46cal/cm; PPE4

Design

- Traditional beekeeper hood design
- Integrated hard hat.

Face Shield – Highly Transparent Grey with Full Colour Recognition

- The grey-coloured highly transparent face shield allows for full-colour recognition
- The nanoparticle formula ensures the performance of the shield is not negatively affected when scratched
- Abrasion-resistant coating on the front surface and a permanent anti-fog coating on the interior.



ArcWear
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ATPV
46
cal/cm²

ARC RATED
PPE4

ASTM
F2178
COMPLIANT

ASTM
F1506
COMPLIANT

NFPA
2112
COMPLIANT

NEN509
COMPLIANT

NFPA
70E
COMPLIANT

AS4836
COMPLIANT

Part Number	Item
EASCHS40	Beekeeper Switching Hood
EASCHS40AV	With Optional ArcVents

ArcSafe® S40 ArcFlash Switching Gloves

Arc Rating: ATPV – 46cal/cm; PPE4

- Length: 420mm

Materials:

- **Outer Fabric:** NorFab NF Arc™
- **Lining Fabric:** OmniQuilt™



ATPV
46
cal/cm²

ARC RATED
PPE4

ASTM
F1506
COMPLIANT

NFPA
70E
COMPLIANT

NFPA
2112
COMPLIANT

Part Number	Size
EASCGS40SML	SML
EASCGS40MED	MED
EASCGS40LRG	LRG
EASCGS40XLG	XLG

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A DIVISION OF HUBBARD





ArcSafe® S40 ArcFlash Switching Coat & Leggings Kit

with Lift Front Hood

Elliotts ArcSafe® Switching kits provide the perfect solution for the total ArcFlash Switching system.

This kit includes:

- ArcSafe® S40 Lift Front Hood
- ArcSafe® S40 Coat
- ArcSafe® S40 Leggings
- ArcSafe® S40 Gloves
- Gear Bag.

Part Number	Size
EASKCLHLS40	SML-3XL



ArcSafe® S40 ArcFlash Switching Coat & Leggings Kit

with Beekeeper Hood

Elliotts ArcSafe® Switching kits provide the perfect solution for the total ArcFlash Switching system.

This kit includes:

- ArcSafe® S40 Beekeeper Hood
- ArcSafe® S40 Coat
- ArcSafe® S40 Leggings
- ArcSafe® S40 Gloves
- Gear Bag.

Part Number	Size
EASKCLHSS40	SML-3XL



ArcSafe® S40 ArcFlash Switching Jacket and Bib & Brace Trousers Kit

with Lift Front Hood

Elliotts ArcSafe® Switching kits provide the perfect solution for the total ArcFlash Switching system.

This kit includes:

- ArcSafe® S40 Lift Front Hood
- ArcSafe® S40 Jacket
- ArcSafe® S40 Bib & Brace Trousers
- ArcSafe® S40 Gloves
- Gear Bag.

Part Number	Size
EASKJTHLS40	SML-3XL



ArcSafe® S40 ArcFlash Switching Jacket and Bib & Brace Trousers Kit

with Beekeeper Hood

Elliotts ArcSafe® Switching kits provide the perfect solution for the total ArcFlash Switching system.

This kit includes:

- ArcSafe® S40 Beekeeper Hood
- ArcSafe® S40 Jacket
- ArcSafe® S40 Bib & Brace Trousers
- ArcSafe® S40 Gloves
- Gear Bag.

Part Number	Size
EASKJTHSS40	SML-3XL

IMPORTANT: NFPA 70E Compliance requires wearing of the whole system (3-piece) as ONE UNIT. 3 Pieces including hood, coat and leggings or hood, jacket and bib & brace trousers. Once a garment has been exposed to an arc flash, it must be removed from service.

ArcSafe® T40



The ArcSafe® T40 ArcFlash Switching gear is inherently flame resistant, providing protection against electrical arc flashes and flash fires.

Outer Fabric: 251gsm Tencate TecaSafe® Plus

Lining Fabric: 305gsm Q8 Thermal Liner

- Meets Standards for Flame Resistant Fabrics – ASTM F1506 and NFPA 70E, Tecasafe plus is UL Certified to NFPA 2112.
- These garments are manufactured from materials conforming to AS/NZS 1906.4:2010 Retroreflective materials and devices for road traffic control purposes – High-visibility materials for safety garments.
- These garments are certified to Australian Standard AS/NZS 4602:1999 High Visibility Safety Garments Class D/N by SAI Global.
- This ArcSafe® ArcFlash protective garment has been independently tested by Kinectrics to ASTM F2621-06 Standard Practice for Determining Response Characteristics and Design Integrity of Arc Rated Finished Products in an Electric Arc Exposure.



ArcSafe® T40 ArcFlash Switching Coat

Arc Rating: ATPV – 40cal/cm; PPE4

- Length: 1300mm
- Full 50mm hook + loop front closure
- FR knit wrists for extra protection
- Bar tacking for extra strength
- **Optional:** Added Silver FR reflective trim: Class D/N.



T40 Coat	with Reflective Trim	Size
EASCCT40SML	EASCCT40T1SML	SML
EASCCT40MED	EASCCT40T1MED	MED
EASCCT40LRG	EASCCT40T1LRG	LRG
EASCCT40XLG	EASCCT40T1XLG	XLG
EASCCT402XL	EASCCT40T12XL	2XL
EASCCT403XL	EASCCT40T13XL	3XL

PRODUCT CERTIFICATION



BSI Certified Product
AS/NZS 4602.1:2011
BMP No 739979

*Custom sizes available upon request.

ArcSafe® T40 ArcFlash Switching Leggings

Arc Rating: ATPV – 40cal/cm; PPE4

- Length 400mm
- 50mm hook + loop rear closure.



Part Number	Size
EASCLT40	One Size Fits All

IMPORTANT: NFPA 70E Compliance requires wearing of the whole system (3-piece) as ONE UNIT. 3 Pieces including hood, coat and leggings or hood, jacket and bib & brace trousers. Once a garment has been exposed to an arc flash, it must be removed from service.

ArcSafe® T40 ArcFlash Switching Jacket

Arc Rating: ATPV – 40cal/cm; PPE4

- Length: 870mm
- Full 50mm hook + loop front closure
- FR knit wrists for extra protection
- Bar tacking for extra strength
- **Optional:** Added Silver FR reflective trim: Class D/N.



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ATPV
40
cal/cm²

ARC RATED
PPE4

ASTM
F2621
COMPLIANT

ASTM
F1506
COMPLIANT

NFPA
2112
COMPLIANT

NEN509
COMPLIANT

NFPA
70E
COMPLIANT

AS4836
COMPLIANT

AS4602.1
CERTIFIED

T40 Jacket	with Reflective Trim	Size
EASCJT40SML	EASCJT40T1SML	SML
EASCJT40MED	EASCJT40T1MED	MED
EASCJT40LRG	EASCJT40T1LRG	LRG
EASCJT40XLG	EASCJT40T1XLG	XLG
EASCJT402XL	EASCJT40T12XL	2XL
EASCJT403XL	EASCJT40T13XL	3XL

PRODUCT CERTIFICATION



BSI Certified Product
AS/NZS 4602.1:2011
BMP No 739979

*Custom sizes available upon request.

ArcSafe® T40 ArcFlash Switching Bib & Brace Trousers

Arc Rating: ATPV – 40cal/cm; PPE4

- 50mm braces
- Hook + loop leg cuff closures
- Bar tacking for extra strength
- **Optional:** Added Silver FR reflective trim: Class D/N.



ArcWear
A Division of Kinectrics



ATPV
40
cal/cm²

ARC RATED
PPE4

ASTM
F2621
COMPLIANT

ASTM
F1506
COMPLIANT

NFPA
2112
COMPLIANT

NEN509
COMPLIANT

NFPA
70E
COMPLIANT

AS4836
COMPLIANT

AS4602.1
CERTIFIED

T40 Trousers	with Reflective Trim	Size
EASCTT40SML	EASCTT40T1SML	SML
EASCTT40MED	EASCTT40T1MED	MED
EASCTT40LRG	EASCTT40T1LRG	LRG
EASCTT40XLG	EASCTT40T1XLG	XLG
EASCTT402XL	EASCTT40T12XL	2XL
EASCTT403XL	EASCTT40T13XL	3XL

PRODUCT CERTIFICATION



BSI Certified Product
AS/NZS 4602.1:2011
BMP No 739979

*Custom sizes available upon request.

ArcSafe® T40 ArcFlash Beekeeper Switching Hood

Arc Rating: ATPV – 40cal/cm; PPE4

Design

- Traditional beekeeper hood design
- Integrated hard hat.

Face Shield – Highly Transparent Grey with Full Colour Recognition

- The grey-coloured highly transparent face shield allows for full-colour recognition
- The nanoparticle formula ensures the performance of the shield is not negatively affected when scratched
- Abrasion-resistant coating on the front surface and a permanent anti-fog coating on the interior.



Part Number

EASCHT40

ArcSafe® T40 ArcFlash Switching Gloves

Arc Rating: ATPV – 40cal/cm; PPE4

- **Length:** 420mm

Materials:

- **Outer Fabric:** TenCate TecaSafe® Plus
- **Lining Fabric:** Q8 Thermal Liner.



Part Number	Size
EASCGT40SML	SML
EASCGT40MED	MED
EASCGT40LRG	LRG
EASCGT40XLG	XLG



IMPORTANT: NFPA 70E Compliance requires wearing of the whole system (3-piece) as ONE UNIT. 3 Pieces including hood, coat and leggings or hood, jacket and bib & brace trousers. Once a garment has been exposed to an arc flash, it must be removed from service.

ArcSafe® T40 ArcFlash Switching Coat & Leggings Kit

Elliotts ArcSafe® Switching kits provide the perfect solution for the total ArcFlash Switching system.

This kit includes:

- ArcSafe® T40 Beekeeper Hood
- ArcSafe® T40 Coat
- ArcSafe® T40 Leggings
- ArcSafe® T40 Gloves
- Gear Bag.



Part Number	Size
EASKCLT40	SML-3XL

ArcSafe® T40 ArcFlash Switching Jacket and Bib & Brace Trousers Kit

Elliotts ArcSafe® Switching kits provide the perfect solution for the total ArcFlash Switching system.

This kit includes:

- ArcSafe® T40 Beekeeper Hood
- ArcSafe® T40 Jacket
- ArcSafe® T40 Bib & Brace Trousers
- ArcSafe® T40 Gloves
- Gear Bag.



Part Number	Size
EASKJTT40	SML-3XL



Protection is at the core of what we stand for and we want to make sure you're always protected as well as you can possibly be, especially when at work.

Anthony Elliott,
Managing Director

ArcSafe® T9



The ArcSafe® T9 ArcFlash Switching gear is inherently flame resistant, providing protection against electrical arc flashes and flash fires.

Outer Fabric: 251gsm Tencate TecaSafe® Plus

- Meets Standards for Flame Resistant Fabrics – ASTM F1506 and NFPA 70E, Tecasafe plus is UL Certified to NFPA 2112
- These garments are manufactured from materials conforming to AS/NZS 1906.4:2010 Retroreflective materials and devices for road traffic control purposes – High-visibility materials for safety garments.
- These garments are certified to Australian Standard AS/NZS 4602:1999 High Visibility Safety Garments Class D/N by SAI Global.

ArcSafe® T9 ArcFlash Switching Coat

Arc Rating: ATPV – 9cal/cm; PPE2

- Length: 1300mm
- Full 50mm hook + loop front closure
- FR knit wrists for extra protection
- Bar tacking for extra strength
- **Optional:** Added Silver FR reflective trim: Class D/N.



T9 Coat	with Reflective Trim	Size
EASCCT9SML	EASCCT9T1SML	SML
EASCCT9MED	EASCCT9T1MED	MED
EASCCT9LRG	EASCCT9T1LRG	LRG
EASCCT9XLG	EASCCT9T1XLG	XLG
EASCCT92XL	EASCCT9T12XL	2XL
EASCCT93XL	EASCCT9T13XL	3XL

PRODUCT CERTIFICATION



BSI Certified Product
AS/NZS 4602.1:2011
BMP No 739979

*Custom sizes available upon request.

ArcSafe® T9 ArcFlash Switching Leggings

Arc Rating: ATPV – 9cal/cm; PPE2

- Length 400mm
- 50mm hook + loop rear closure.



Part Number	Size
EASCLT9	One Size Fits All



IMPORTANT: NFPA 70E Compliance requires wearing of the whole system (3-piece) as ONE UNIT. 3 Pieces including hood, coat and leggings or hood, jacket and bib & brace trousers. Once a garment has been exposed to an arc flash, it must be removed from service.

ArcSafe® T9 ArcFlash Switching Jacket

Arc Rating: ATPV – 9cal/cm; PPE2

- Length: 870mm
- Full 50mm hook + loop front closure
- FR knit wrists for extra protection
- Bar tacking for extra strength
- **Optional:** Added Silver FR reflective trim: Class D/N.



T9 Jacket	with Reflective Trim	Size
EASCJT9SML	EASCJT9T1SML	SML
EASCJT9MED	EASCJT9T1MED	MED
EASCJT9LRG	EASCJT9T1LRG	LRG
EASCJT9XLG	EASCJT9T1XLG	XLG
EASCJT92XL	EASCJT9T12XL	2XL
EASCJT93XL	EASCJT9T13XL	3XL

PRODUCT CERTIFICATION



BSI Certified Product
AS/NZS 4602.1:2011
BMP No 739979

*Custom sizes available upon request.

ArcSafe® T9 ArcFlash Switching Bib & Brace Trousers

Arc Rating: ATPV – 9cal/cm; PPE2

- 50mm braces
- Hook + loop leg cuff closures
- Bar tacking for extra strength
- **Optional:** Added Silver FR reflective trim: Class D/N.



T9 Trousers	with Reflective Trim	Size
EASCTT9SML	EASCTT9T1SML	SML
EASCTT9MED	EASCTT9T1MED	MED
EASCTT9LRG	EASCTT9T1LRG	LRG
EASCTT9XLG	EASCTT9T1XLG	XLG
EASCTT92XL	EASCTT9T12XL	2XL
EASCTT93XL	EASCTT9T13XL	3XL

PRODUCT CERTIFICATION



BSI Certified Product
AS/NZS 4602.1:2011
BMP No 739979

*Custom sizes available upon request.



ArcSafe® T9 ArcFlash Beekeeper Switching Hood

Arc Rating: ATPV – 9cal/cm; PPE2

Design

- Traditional beekeeper hood design
- Integrated hard hat.

Face Shield – Highly Transparent Grey with Full Colour Recognition

- The grey-coloured highly transparent face shield allows for full-colour recognition
- The nanoparticle formula ensures the performance of the shield is not negatively affected when scratched
- Abrasion-resistant coating on the front surface and a permanent anti-fog coating on the interior.



Part Number

EASCHT9

ArcSafe® T9 ArcFlash Switching Gloves

Arc Rating: ATPV – 9cal/cm; PPE2

- **Length:** 420mm

Materials

- **Outer Fabric:** TenCate TecaSafe® Plus.



Part Number

Size

EASCGT9SML	SML
EASCGT9MED	MED
EASCGT9LRG	LRG
EASCGT9XLG	XLG



IMPORTANT: NFPA 70E Compliance requires wearing of the whole system (3-piece) as ONE UNIT. 3 Pieces including hood, coat and leggings or hood, jacket and bib & brace trousers. Once a garment has been exposed to an arc flash, it must be removed from service.

ArcSafe® T9 ArcFlash Switching Coat & Leggings Kit

Elliotts ArcSafe® Switching kits provide the perfect solution for the total ArcFlash Switching system.

This kit includes:

- ArcSafe® T9 Beekeeper Hood
- ArcSafe® T9 Coat
- ArcSafe® T9 Leggings
- ArcSafe® T9 Gloves
- Gear Bag.



Part Number	Size
EASKCLT9	SML-3XL

ArcSafe® T9 ArcFlash Switching Jacket and Bib & Brace Trousers Kit

Elliotts ArcSafe® Switching kits provide the perfect solution for the total ArcFlash Switching system.

This kit includes:

- ArcSafe® T9 Beekeeper Hood
- ArcSafe® T9 Jacket
- ArcSafe® T9 Bib & Brace Trousers
- ArcSafe® T9 Gloves
- Gear Bag.



Part Number	Size
EASKJTT9	SML-3XL

ArcSafe® Coverall Low Energy ArcFlash Switching Kit

This kit includes:

- TecaSafe Plus Coverall with Ref Trim – Orange
- ArcSafe® Elvex Arc Shield Face Shield with Chin Guard
- Western Rigger Gloves
- Carbon X Balaclava
- Gear Bag.



Part Number	Size
EASKCA20T9	72R-132R

The development of the new ArcSafe® AmpShield Face Shield technology harnesses a grey-coloured, high transparent face shield without the need of green dyes. This virtually colourless technology allows users to see the full colour spectrum without distortion, whilst also increasing visibility.



Face Shields





ArcSafe® AmpShield™ ArcFlash Face Shield

Arc Rating: ATPV – 14cal /cm; PPE2

Harnessing the latest revolutionary technology the ArcSafe® AmpShield™ ArcFlash Face Shield now offers users full-colour recognition and improved visibility. The grey-coloured, highly transparent face shield now offers an alternative to the traditional green arc flash face shield.

The development of this new technology allows a grey-coloured, high transparent face shield without the need of green dyes. This virtually colourless technology allows users to see the full colour spectrum without distortion, whilst also increasing visibility.

- Highly transparent, grey nearly clear polycarbonate face shield provides enhanced visibility and heightened colour recognition.
- Includes cap bracket with a slotted adaptor to fit selected hard hats. The adjustable slotted adaptor allows workers to comfortably adjust the position of the face shield when not in use or exposed to risk.

- The ergonomic, low profile transparent chin protector increases the field of view for the wearer as well as providing additional arc flash protection.
- **Optional:** Streamlight® flashlight on either side of the face shield.
- **Window Size:** 25.4 x 50/8 x 0.15cm (10" x 20" x 0.06").

Certifications and Standards:

- Meets the Short Circuit ARC Class 2 rating to GS-ET-29:2001-05 and 14cal/cm² rating to ASTM F2178 for use in NFPA 70E-2015 for PPE Category 2 protection level.
- This face shield is also certificated to the EN 166 certification.
- This face shield is also certificated to ANSI-ISEA Z87.1-2017.



Kits can include:

- ArcSafe® AmpShield™ ArcFlash Face Shield
- Visor Holder for mounting to various style safety caps
- Orange or white UniSafe polycarbonate (heat) safety helmet
- CarbonX Balaclava
- Arc-rated Fire Resistant Bib
- Kit Bag.

Part Number	AmpShield Face Shield	Visor Holder	3M TA580 HardHat	CarbonX Balaclava	ARC/FR Bib	Kit Bag
FSAMP14EC	*	*				
FSAMP14ECKIT1	*	*	WHITE			*
FSAMP14ECKIT2	*	*	WHITE	*		*
FSAMP14ECKIT3	*	*	ORANGE			*
FSAMP14ECKIT4	*	*	ORANGE	*		*
FSAMP14BKIT1	*	*			*	
FSAMP14BKIT2	*	*	WHITE		*	*
FSAMP14BKIT3	*	*	ORANGE		*	*

FSAMP14EC



FSAMP14ECKIT1



FSAMP14ECKIT2



FSAMP14ECKIT3



FSAMP14ECKIT4



FSAMP14BKIT1



FSAMP14BKIT2



FSAMP14BKIT3



ArcSafe® Elvex Arc Shield Face Shield

Arc Rating: ATPV – 14cal/cm; PPE2

- ArcSafe® Elvex ARC shields are proprietary designs, moulded of polycarbonate material with special absorbers and made to an industry leading 2mm (0.075) thickness for maximum thermal protection.
- The shields are designed in light green to provide excellent visible light transmission (VLT). Good colour visibility is maintained.
- Shields come with standard anti-fog coating.

Kits can include:

- ArcSafe® Elvex Face Shield
- Visor holder for mounting to various style safety caps
- UniSafe polycarbonate (heat) safety helmet
- CarbonX Balaclava
- Kit Bag.



Part Number	Face Shield	Visor Holder	Hard Hat	Balaclava	Kit Bag
FS20CPARC10	*				
FS20ARC10KIT1	*	*			*
FS20ARC10KIT2	*	*	*		*
FS20ARC10KIT3	*	*	*	*	*



FS20ARC10KIT1



FS20ARC10KIT2



FS20ARC10KIT3

ArcSafe® Carbon X Black Balaclava

Arc Rating: ATPV – 23cal/cm; PPE2

- NFPA 70E compliant
- 1/2" wide elasticized face opening
- Shrink and fade resistant
- Provides arc protection to the neck, upper chest, and top of the shoulder blade
- Flat-stitched seams
- Cover-stitched bound drape
- Contoured shoulders to reduce bunching of the bib.



Part Number	Size
ULCBXH2B2E	One Size Fits All



TecaSafe FR Work Wear



No better protection.

TecaSafe Plus Arc Rated FR Classic Coverall 5.8oz

Arc Rating: ATPV – 6.5cal/cm; PPE1

UPF Rating: 50+

Weight: 195gsm / 5.8oz

- Two-way front zipper with snap-over fly
- Ruler pocket right leg
- Banded waist with elastic inserts
- Swing, rear and chest pockets
- Cuff closure on sleeve with adjustable closure
- No metal components
- Silver FR reflective tape.

Available in the following colours:

- Orange Navy
- Orange
- Fluoro Yellow Navy.



Orange	Size	Orange	Size
TSTCA580ORT172R	72R	TSTCA580ORT1107R	107R
TSTCA580ORT177R	77R	TSTCA580ORT1112R	112R
TSTCA580ORT182R	82R	TSTCA580ORT1117R	117R
TSTCA580ORT187R	87R	TSTCA580ORT1122R	122R
TSTCA580ORT192R	92R	TSTCA580ORT1127R	127R
TSTCA580ORT197R	97R	TSTCA580ORT1132R	132R
TSTCA580ORT1102R	102R	TSTCA580ORT1137R	137R

Orange Navy	Size	Orange Navy	Size
TSTCA580ONT172R	72R	TSTCA580ONT1107R	107R
TSTCA580ONT177R	77R	TSTCA580ONT1112R	112R
TSTCA580ONT182R	82R	TSTCA580ONT1117R	117R
TSTCA580ONT187R	87R	TSTCA580ONT1122R	122R
TSTCA580ONT192R	92R	TSTCA580ONT1127R	127R
TSTCA580ONT197R	97R	TSTCA580ONT1132R	132R
TSTCA580ONT1102R	102R	TSTCA580ONT1137R	137R

Fluoro Yellow Navy	Size	Fluoro Yellow Navy	Size
TSTCA580FYNT172R	72R	TSTCA580FYNT1107R	107R
TSTCA580FYNT177R	77R	TSTCA580FYNT1112R	112R
TSTCA580FYNT182R	82R	TSTCA580FYNT1117R	117R
TSTCA580FYNT187R	87R	TSTCA580FYNT1122R	122R
TSTCA580FYNT192R	92R	TSTCA580FYNT1127R	127R
TSTCA580FYNT197R	97R	TSTCA580FYNT1132R	132R
TSTCA580FYNT1102R	102R	TSTCA580FYNT1137R	137R

TecaSafe Plus Arc Rated FR Classic Coverall 7.0oz

Arc Rating: ATPV – 9cal/cm; PPE2

UPF Rating: 50+

Weight: 235gsm / 7.0oz

- Two-way front zipper with snap-over fly
- Ruler pocket right leg
- Banded waist with elastic inserts
- Swing, rear and chest pockets
- Cuff closure on sleeve with adjustable closure
- No metal components
- Silver FR reflective tape.



Orange	Size	Orange	Size
TSTCA7000RT172R	72R	TSTCA7000RT1107R	107R
TSTCA7000RT177R	77R	TSTCA7000RT1112R	112R
TSTCA7000RT182R	82R	TSTCA7000RT1117R	117R
TSTCA7000RT187R	87R	TSTCA7000RT1122R	122R
TSTCA7000RT192R	92R	TSTCA7000RT1127R	127R
TSTCA7000RT197R	97R	TSTCA7000RT1132R	132R
TSTCA7000RT1102R	102R	TSTCA7000RT1137R	137R

Tecasafe Plus Internal FR Jackets 7.0oz

Arc Rating: ATPV - 9cal/cm; PPE2

Weight: 235gsm / 7.0oz

- Centre front zip closure
 - Two hand warmer pockets
 - Internal pocket & external arm pocket
 - Cotton lined
 - Hook + loop cuff closures
 - No metal components
 - Silver FR reflective tape.
- Available in the following colours:**
- Orange Navy
 - Yellow Navy.



Orange Navy	Yellow Navy	Size
TSIJ7000NT4S	TSIJ700YNT4S	SML
TSIJ7000NT4M	TSIJ700YNT4M	MED
TSIJ7000NT4L	TSIJ700YNT4L	LRG
TSIJ7000NT4XL	TSIJ700YNT4XL	XLG
TSIJ7000NT4XXL	TSIJ700YNT4XXL	2XL
TSIJ7000NT4XXXL	TSIJ700YNT4XXXL	3XL
TSIJ7000NT4XXXXL	TSIJ700YNT4XXXXL	4XL
TSIJ7000NT45XL	TSIJ700YNT45XL	5XL
TSIJ7000NT46XL	TSIJ700YNT46XL	6XL

TecaSafe Plus Men's Arc Rated FR Classic Shirt 5.8oz

Arc Rating: ATPV - 6.5cal/cm; PPE1

UPF Rating: 50+ **Weight:** 195gsm / 5.8oz

- Generous sizing to ensure greater airgap and performance
- Action back panel with ventilation
- Underarm gussets for enhanced mobility
- Underarm ventilation
- Two chest pockets with button flaps
- Gusseted cuff with press study closure
- No metal components
- Silver FR reflective tape.

Available in the following colours:

- Orange
- Orange Navy
- Fluoro Yellow Navy.



Orange	Orange Navy	Fluoro Yellow Navy	Size
TSVSL55800RT4SML	TSVSL55800NT4SML	TSVSL5580FYNT4SML	SML
TSVSL55800RT4MED	TSVSL55800NT4MED	TSVSL5580FYNT4MED	MED
TSVSL55800RT4LRG	TSVSL55800NT4LRG	TSVSL5580FYNT4LRG	LRG
TSVSL55800RT4XLG	TSVSL55800NT4XLG	TSVSL5580FYNT4XLG	XLG
TSVSL55800RT42XL	TSVSL55800NT42XL	TSVSL5580FYNT42XL	2XL
TSVSL55800RT43XL	TSVSL55800NT43XL	TSVSL5580FYNT43XL	3XL
TSVSL55800RT44XL	TSVSL55800NT44XL	TSVSL5580FYNT44XL	4XL
TSVSL55800RT45XL	TSVSL55800NT45XL	TSVSL5580FYNT45XL	5XL
TSVSL55800RT46XL	TSVSL55800NT46XL	TSVSL5580FYNT46XL	6XL

TecaSafe Plus Women's Arc Rated FR Classic Shirt 5.8oz

Arc Rating: ATPV - 6.5cal/cm; PPE 1

UPF Rating: 50+ **Weight:** 195gsm / 5.8oz

- A fit tailored specifically for women
- Generous sizing to ensure greater airgap and performance
- Action back panel with ventilation
- Underarm gussets for enhanced mobility
- Underarm ventilation
- Two chest pockets with button flaps
- Gusseted cuff with press study closure
- No metal components
- Silver FR reflective trim.

Available in the following colours:

- Orange
- Orange Navy
- Fluoro Yellow Navy.



Orange	Orange Navy	Fluoro Yellow Navy	Size
TSVSL5800RT4W6	TSVSL5800NT4W6	TSVSL580FYNT4W6	W6
TSVSL5800RT4W8	TSVSL5800NT4W8	TSVSL580FYNT4W8	W8
TSVSL5800RT4W10	TSVSL5800NT4W10	TSVSL580FYNT4W10	W10
TSVSL5800RT4W12	TSVSL5800NT4W12	TSVSL580FYNT4W12	W12
TSVSL5800RT4W14	TSVSL5800NT4W14	TSVSL580FYNT4W14	W14
TSVSL5800RT4W16	TSVSL5800NT4W16	TSVSL580FYNT4W16	W16
TSVSL5800RT4W18	TSVSL5800NT4W18	TSVSL580FYNT4W18	W18
TSVSL5800RT4W20	TSVSL5800NT4W20	TSVSL580FYNT4W20	W20
TSVSL5800RT4W22	TSVSL5800NT4W22	TSVSL580FYNT4W22	W22

TecaSafe Plus Men's & Women's Arc Rated FR Classic Shirt 7.0oz

Arc Rating: ATPV – 9cal/cm; PPE2

UPF Rating: 50+

Weight: 235gsm / 7.0oz

Men's sizes: SML to 6XL

Women's sizes: W6 to W22

- Generous sizing to ensure greater airgap and performance
- Women's option is a fit tailored specifically for women
- Action back panel with ventilation
- Underarm gussets for enhanced mobility
- Underarm ventilation
- Two chest pockets with button flaps
- Gusseted cuff with press study closure
- No metal components
- Silver FR reflective tape.



Women's	Size	Men's	Size
TSVSLS7000RT4W6	W6	TSVSLS7000RT4SML	SML
TSVSLS7000RT4W8	W8	TSVSLS7000RT4MED	MED
TSVSLS7000RT4W10	W10	TSVSLS7000RT4LRG	LRG
TSVSLS7000RT4W12	W12	TSVSLS7000RT4XLG	XLG
TSVSLS7000RT4W14	W14	TSVSLS7000RT42XL	2XL
TSVSLS7000RT4W16	W16	TSVSLS7000RT43XL	3XL
TSVSLS7000RT4W18	W18	TSVSLS7000RT44XL	4XL
TSVSLS7000RT4W20	W20	TSVSLS7000RT45XL	5XL
TSVSLS7000RT4W22	W22	TSVSLS7000RT46XL	6XL

Tecasafe Plus Men's & Women's FR Cargo Trousers 5.8oz

Arc Rating: ATPV - 6.5cal/cm; PPE1

Weight: 195gsm / 5.8oz

Men's sizes: 72R to 132R

Women's sizes: W6 to W22

- Cargo style design
- Women's option is a fit tailored specifically for women
- Two cargo style pockets
- Rear patch pocket
- No metal components
- AS4836:2011 compliant
- Silver FR reflective tape.



Women's	Size	Men's	Size	Men's	Size
TSTRS580NAT1PW6	W6	TSTRS580NAT1P72R	72R	TSTRS580NAT1P117R	117R
TSTRS580NAT1PW8	W8	TSTRS580NAT1P77R	77R	TSTRS580NAT1P122R	122R
TSTRS580NAT1PW10	W10	TSTRS580NAT1P82R	82R	TSTRS580NAT1P127R	127R
TSTRS580NAT1PW12	W12	TSTRS580NAT1P87R	87R	TSTRS580NAT1P132R	132R
TSTRS580NAT1PW14	W14	TSTRS580NAT1P92R	92R		
TSTRS580NAT1PW16	W16	TSTRS580NAT1P97R	97R		
TSTRS580NAT1PW18	W18	TSTRS580NAT1P102R	102R		
TSTRS580NAT1PW20	W20	TSTRS580NAT1P107R	107R		
TSTRS580NAT1PW22	W22	TSTRS580NAT1P112R	112R		

Tecasafe Plus Men's & Women's FR Cargo Trousers 7.0oz

Arc Rating: ATPV - 9cal/cm; PPE2

Weight: 235gsm / 7.0oz

Men's sizes: 72R to 132R

Women's sizes: W6 to W22

- Cargo style design
- Women's option is a fit tailored specifically for women
- Two cargo style pockets
- Rear patch pocket
- No metal components
- AS4836:2011 compliant
- Silver FR reflective tape.



Women's	Size	Men's	Size	Men's	Size
TSTRS700NAPT1W6	W6	TSTRS700NAPT172R	72R	TSTRS700NAPT1117R	117R
TSTRS700NAPT1W8	W8	TSTRS700NAPT177R	77R	TSTRS700NAPT1122R	122R
TSTRS700NAPT1W10	W10	TSTRS700NAPT182R	82R	TSTRS700NAPT1127R	127R
TSTRS700NAPT1W12	W12	TSTRS700NAPT187R	87R	TSTRS700NAPT1132R	132R
TSTRS700NAPT1W14	W14	TSTRS700NAPT192R	92R		
TSTRS700NAPT1W16	W16	TSTRS700NAPT197R	97R		
TSTRS700NAPT1W18	W18	TSTRS700NAPT1102R	102R		
TSTRS700NAPT1W20	W20	TSTRS700NAPT1107R	107R		
TSTRS700NAPT1W22	W22	TSTRS700NAPT1112R	112R		

Elliotts Zetel ArcSafe® wet weather apparel was specifically developed by Elliotts to provide workers in the Australasian market with protection against electric arc flash in wet weather conditions.

The Zetel ArcSafe® range is highly visible, waterproof, breathable, windproof, flame resistant and offers protection against electric arc hazards.



ArcFlash Wet Weather

Elliotts Zetel ArcSafe® is a 3 layer, flame resistant, durable, breathable, waterproof and windproof fabric. Zetel ArcSafe® offers electrical arc flash protection of PPE 2 (ATPV12)

Outer Fabric: 300D Oxford polyester incorporating flame retardant PU Coating

Membrane: Waterproof Breathable PU

Lining: Modacrylic/Cotton (60/40)

Standards and Certification

- This garment is Certified by BSI to AS/NZS 4602.1:2011 and has been manufactured to meet the requirements of various Australian and International Standards.
- ASTM F2621-12 – Standard Practice for Determining Response Characteristics and Design Integrity of Arc Rated Finished Products in an Electric Arc Exposure
- ASTM F1891-19 – Standard Specification for Arc and Flame Resistant Rainwear
- ASTM F1959/F1959M-14e1 – Standard Test Method for Determining the Arc Rating of Materials for Clothing

Zetel ArcSafe® Z59 Wet Weather Jacket – Reflective Trim

Arc Rating: ATPV – 12cal/cm; PPE2

Features:

- Fully seam sealed
- Adjustable hook + loop wrist storm cuff closure
- Internal waterproof chest pocket
- Two large external waist pockets with gripper pull tabs
- Adjustable elasticised waist draw cord
- Two-way centre front zip closure and chinsulator
- Stowaway 3-way adjustable hood
- AS/NZS 4602.1:2001 – Class D/N.



Orange Navy	Size
ZAS1JON59T1SML	SML
ZAS1JON59T1MED	MED
ZAS1JON59T1LRG	LRG
ZAS1JON59T1XLG	XLG
ZAS1JON59T12XL	2XL
ZAS1JON59T13XL	3XL
ZAS1JON59T14XL	4XL
ZAS1JON59T15XL	5XL
ZAS1JON59T16XL	6XL



PRODUCT CERTIFICATION



BSI Certified Product
AS/NZS 4602:1999
BMP No 739980

Zetel ArcSafe® Z59 Wet Weather Trousers – Reflective Trim

Arc Rating: ATPV – 12cal/cm; PPE2

Features:

- Fully seam sealed
- Elasticised rear waist band
- Side waist adjustable ladder locks
- Adjustable hook + loop ankle cuff closure
- AS/NZS 4602.1:2001 – Class N.



Navy Trousers	Size
ZAS1TNB59T1SML	SML
ZAS1TNB59T1MED	MED
ZAS1TNB59T1LRG	LRG
ZAS1TNB59T1XLG	XLG
ZAS1TNB59T12XL	2XL
ZAS1TNB59T13XL	3XL
ZAS1TNB59T14XL	4XL
ZAS1TNB59T15XL	5XL
ZAS1TNB59T16XL	6XL



PRODUCT CERTIFICATION



BSI Certified Product
AS/NZS 4602:1999
BMP No 739980

ArcFlash Maintenance

Arc flash personal protective equipment (PPE) isn't exactly an inexpensive purchase. Because of the highly engineered materials used, the extensive testing required and the fact that the gear has the ability to protect workers when exposed to a potentially devastating arc flash it is a justified, essential expense.

Below is some important information for companies, to ensure that arc flash PPE is kept clean and safe for workers.

ArcFlash Suits

✓ Do

According to the Safe Work Australia recommendations, wash on a regular cycle wash using the warmest possible setting with normal mild washing detergent. Product care information for all Elliotts ArcFlash PPE products can be found on the information labels sewn into your garment.

✗ Don't

Whilst washing is the most effective way of cleaning your ArcFlash PPE, it is not the most practical solution for on-the-job sanitation. Companies may look to using disinfecting sprays and wipes to clean their ArcFlash PPE, but it is not recommended for multiple reasons. Disinfecting sprays are not intended to be used on soft, porous materials so the intended level of saturation and cleanliness cannot be achieved. Additionally, many of the chemicals used to manufacture these sprays include potentially flammable liquids, which may leave a residue, even when dry – which ultimately will negatively impact the garment's ability to protect the wearer.

Face shields

The material that covers the hood will still need to be maintained as above, but the actual face shield can be cleaned and disinfected quite easily. Simply disassemble the hood, flush off the dirt and grit with room temperature water and use a soft clean cloth to wipe and gently clean both sides of the shield.

MIG Welding Gloves



Big Red



Kev Blue



Lefties



WeldMark

TIG Welding Gloves



Tigmate Pro CR



Tigmate RX



Tigmate RT



Tigmate

G-Flex Gloves



AirTouch Cut F



AirTouch Cut D



Red Devil



Nitrile

Mec-Flex Gloves



Oiler LX



Oiler Pro CR



Rigger GT



Rigger GSG

Handling Gloves



Western Rigger CR



Western Rigger



Wrangler



Fighter

Welding Protective Clothing



Big Red
Welding Jacket



Blue Max Proban Welding
Jacket with Chrome Sleeves



Wakatac Proban Welding
Jacket with Chrome Sleeves



Blue Max Chrome Leather
Welding Jacket



Blue Max Chrome Leather
Bib Style Aprons



Blue Max
Proban Welding Hoods



Blue Max Chrome Leather
Welding Spats



Big Red
Seatless Trousers



Blue Max
Chrome Leather Sleeves



Wakatac
Proban Welding Hood



Big Red
Welding Spats



Chrome Leather
Knee Pads

Workshop Protection



ArcSafe Welding Screens and Frames



Big Red Welding Cushion



Big Red Cable Covers

Blankets & Drapes



HeatShield Blanket



T1000 Blanket



Chrome Leather Drape



Silica Glass Drape

**No better
protection.**

ELLIOTTS 

Elliott Australia Pty Ltd
23 Vauxhall Street, Virginia
QLD 4014 Australia

elliotts.net



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