TRANEMO
ADVANCED WORKWEAR

ARC FLASH PPE

EDITION 4
2026/27

CONTENTS

Scan the QR code to see the full range of clothing solutions Tranemo offer

TRANEMO ADVANCED WORKWEAR PROUDLY OFFER EXPERT TRAINING FOCUSED ON ALL ASPECTS OF ARC FLASH

TOPICS INCLUDE:

- ARC FLASH COMPLIANCE
- ARC FLASH RISKS
- THE LATEST TESTING & STANDARDS
- IMPORTANCE OF FR & ARC CLOTHING

SPEAK TO A MEMBER OF OUR TEAM OR YOUR TRANEMO DISTRIBUTOR TO BOOK YOUR FREE TRANEMO FLAME SCHOOL SESSION

ARC FLASH STANDARD

EN 61482-2:2020 / IEC 61482-2:2018 Protective clothing against the thermal hazard of an Electric Arc

This standard specifies PPE Clothing when there is a risk of an Electric Arc – for instance when working with electricity on open equipment or maintenance/switching work. Electric Arc garments come under PPE Regulation Category III. Fabric properties and garment design are important parameters in the certification process of Electric Arc garments.

EN 61482-2:2020
ELIM 8,1 cal/cm²
EBT 8,7 cal/cm²
APC 1

IEC 61482-2:2018
ELIM 8,1 cal/cm²
EBT 8,7 cal/cm²
APC 1

IEC 61482-2:2009
ARC RATING 9,5 cal/cm²
Class 1

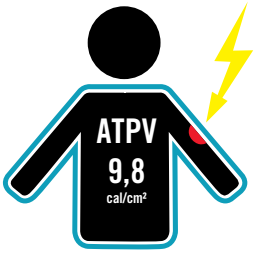
Working with electricity carries a risk of being injured by an Electric Arc. By wearing protective clothing that is tested and certified to withstand the energy of a possible Electric Arc, you help protect yourself against that risk. It is very important to wear protective clothing covering the whole body in order to achieve complete protection. To certify Electric Arc garments according to EN 61482-2, the protective clothing must be tested by at least one of the two different test methods: Open Arc IEC 61482-1-1 and Box test EN 61482-1-2.

Open Arc – IEC 61482-1-1

This test method uses an open arc in a medium voltage range (> 1,000V), which is shot towards a fabric sample or a mannequin with protective clothing. Electrodes behind the fabric or garment register the heat transfer through the fabric/garment in order to determine when a person would receive a second degree burn. In the first stage, the fabric is exposed to different energy levels to obtain an approved Arc Rating. The revised test method is now more strictly controlled and regulated than before, which can mean that previously obtained results may differ from new re-test figures. However, the protection of the clothing is still the same as before, despite the fact that the Arc Rating may sometimes be a lower value after re-testing. In stage two, the protective clothing is tested with the energy level determined by the fabric test result. A new requirement that has been added to the standard is that the tested garment must not have an afterburn time of more than 5 seconds.

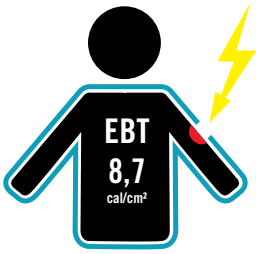
In stage two, the protective clothing is being shot with the energy level from the result of the fabric test. All tests result in two different Arc Ratings based on shooting results and the Stoll curve - which is used to calculate the probability that a person will get a burn. The higher the value, the better the protection. The first result, ELIM (Incident Energy Limit, cal/cm²), lets the user know how much energy the protective clothing can withstand without any risk (or 0% probability) of a second degree burn. The ELIM value is the official value for Electric Arc classification according to the new standard and most of the Tranemo ranges are updated with an ELIM value. The second result is either ATPV (Arc Thermal Performance Value, cal/cm²) or EBT (Energy Break Open Threshold, cal/cm²) and lets the user know how much energy the protective clothing withstands when there is a 50% probability of a second degree burn. ATPV indicates the energy level required when the temperature of the mannequins skin reaches a level where a second degree burn could occur. EBT indicates the energy level at which the fabric breaks open and can result in a second degree burn. ELIM indicates the Arc Rating for the entire garment and as additional information, Tranemo also indicates the lowest result of ATPV or EBT.

ELIM - The maximum incident energy the garment can withstand before the wearer would have a 0% probability of a second degree burn.



The energy level where the heat from the Electric Arc is so high that it may cause a burn through the fabric.

ATPV - The maximum incident energy the garment can withstand before the wearer would have 50% probability of a second degree burn.



The energy level where the fabric breaks open and may cause a burn.

EBT - The incident energy at which a 50% probability of a breakopen occurs resulting in a second degree burn.

Since ELIM indicates an energy value at 0% probability of a second degree burn and ATPV/EBT at 50% probability, the ELIM value is usually lower than ATPV/EBT. Large differences between the ELIM and ATPV/EBT results highlight the importance of wearing several layers of garments (such as in a Tranemo Skinsafe™ system) to ensure you are properly protected.

RISK ASSESSMENTS

Each company is responsible for making their own Risk Assessment and providing their workers with the correct protection for workplace related hazards.

When customers come to us with their Risk Assessments and specific requirements, we strive to find the right solution for them. Tranemo aims to make sure that the solution is functional, practical, comfortable and offers the workers the correct levels of protection. We can develop functionality and protection according to each case, very often going far beyond just fulfilling the standards.

ELECTRICITY & POWER

Workers in the Electricity and Power industry are at risk of exposure to Electric Arc flashes that can occur if there is a short circuit, switching fault, operator error or equipment failure. Electric Arcs can expose workers to very high energy levels and often lead to severe burns and hand/eye injuries. Wearing incorrect workwear can make injuries worse, so it is important to choose the right protective clothing that provides arc protection in every layer. It is equally important to choose gloves and face protection that are certified to protect against Electric Arcs.

An Electric Arc accident comprises of many varied risks that will affect the PPE clothing in different ways but with the right solution, we can help to minimise the impact of these risks. A Tranemo Skinsafe™ system where the outer layer reaches PPE 2 and has an Arc Rating (ATPV or EBT value according to NFPA 70E) above 8 cal/cm² is recommended.

RAILWAY

Working on railways and in other rail-bound traffic, workers are covered by strict safety regulations due to the hazardous working environment. Whether you are a rail technician or electrical installer, signal engineer or track welder, you must use the right personal protective equipment to suit the relevant risk analysis and safety instructions. It is important that you can be seen when working on rail tracks, and high visibility protective clothing can prevent accidents where there is a risk with passing vehicles. To achieve a high level of safety in the workplace it is important to wear Flame Retardant and arc certified protective clothing that provides high visibility in compliance with EN ISO 11612, EN 61482-2 and EN ISO 20471 (plus RIS 3279 TOM in the UK).

A Tranemo Skinsafe™ system with an outer layer that complies to PPE 2 and has an Arc Rating (ATPV or EBT value according to NFPA 70E) above 8 cal/cm² is recommended.

ELECTRIC CAR INDUSTRY

When working in electric car industries, Tranemo recommends garments certified according to standard EN ISO 11612 and EN 61482-2. Working with car batteries and defective batteries there is a risk of an Electric Arc. With the right solution of clothing marked EN 61482-2, the impact of these risks will be minimised. A Tranemo Skinsafe™ system with an outer layer that complies with PPE 2 and has an Arc Rating (ATPV or EBT value, according to NFPA 70E) above 8 cal/cm² is recommended.

When the power to the car is cut off and/or switched on, high spikes in current are created and there is a risk of being exposed to Electric Arc with very high energy levels. The Switch range is developed for these risks and offers protection to an energy level of 40 cal/cm² (PPE 4).

SCAN THE QR CODE TO LEARN MORE ABOUT ALL THE INDUSTRIES WE PROTECT

HELMETS

Helmets are certified and tested according to different standards to provide the user with information in order that the correct helmet with the right protection for the specific working area can be chosen. Tranemo recommends:

- Use the helmet in conjunction with your protective clothing and make sure it is firmly positioned on the head.
- When not in use, store the helmet at the correct temperature (5°C - 35°C).
- Do not use the helmet when working if the helmet or other component (shell, visor, adjusters or chin straps) is damaged or dirty.
- A wet or damp helmet should be dried thoroughly before use.
- The helmet has a limited lifespan and must be replaced before the expiration date has passed. Lifespan information can be found on the back of the helmet.

EN 397 - Standard for industry helmets

The standard specifies requirements for materials and performance, test methods and labelling requirements for industrial safety helmets. The mandatory requirements apply to helmets for general use in industry. Manufacturers can also choose to include additional, optional performance features that go beyond the core safety requirements. Industrial safety helmets are primarily intended to provide the wearer with protection against falling objects, where consequential damage to the head or skull fracture is a risk. Helmets certified according to EN 397 must meet the requirements for falling objects, penetration of sharp objects, flame and breakaway chin straps.

EN 50365 - Standard for electrically insulated helmets for use in low voltage installations

This optional test ensures reliable protection against electric shock up to AC 1000V or DC 1500V. The voltage used for this test is 10,000V. Helmets approved according to EN 50365 must be marked with the triangle symbol and "Electrician class 0" inside the shell.

Helmets approved according to EN 50365:

- Protects against electric shock and dangerous electric current through the head.
- Protects against alternating voltage up to 1000 V (AC) or direct voltage up to 1500 V (DC).
- May not contain any conductive parts if the helmet is insulating.
- Do not have air vents that can cause accidental contact with live parts.
- Must meet the requirements in accordance with EN 397.

EN 166 - Standard for eye protection

The standard specifies functional requirements for all types of eye protection. The standard deals with general considerations concerning eye protection, such as design, classification, basic requirements, special requirements and additional requirements, test methods, labelling and information to the user.

- Eye protection should be free from protruding parts, sharp edges or other defects, which are likely to cause discomfort or damage during use.
- No parts of the eye protection that come into contact with the wearer should be made of materials that are known to cause skin irritation.
- Headbands must be at least 10mm wide over all parts that may come into contact with the wearer's head.
- Headbands must be adjustable or self-adjusting.

Glasses approved according to EN 166 must be tested according to:

- EN 167 Optical test - This includes tests for field of view, transmission and diffusion as well as refractive properties.
- EN 168 Robustness and resistance to heat, ignition and corrosion. Two robustness tests - minimal robustness and increased robustness.
- EN 170 - Requirements for filters against UV radiation.

Arc Rating value for visor

ASTM F2178 (Open Arc) - Test method to determine the visor's Arc Rating (ATPV or EBT). GS-ET-29E (Box Test) - Test method and certification of face protection.
This arc test results in a pass or fail result according to the following settings:

APC1 - 168kJ (4kA, 400V)
APC2 - 320kJ (7kA, 400V)

The test methods correspond to EN 61482-1-2 Box test, but are modified to suit face protection.

PROTECTIVE GLOVES

Protective gloves are certified and tested according to different standards to provide the user with information so that the right glove with the right protection for the specific working area can be chosen. When working in areas such as electricity & power generation, maintenance and infrastructure, there can be a risk of Arc Flash. The Electric Arc creates extreme heat radiation that can burn the skin. The hot air from the arc explosion can reach up to 10,000°C, which poses a high risk of significant burns. The intense heat can ignite the glove, so it is important that the gloves protect against ignition and melting. The hands are one of the most exposed parts of the body when working with electricity. Tranemo recommends:

- Use the gloves, hands are the most exposed part of the body.
- Use dry gloves, moist or wet gloves might cause steam that will reduce the protection significantly.
- Worn down gloves gives a reduced protection.
- Use clean gloves, the gloves are Flame Retardant but oil and dirt on the gloves might still burn.
- It is a good idea to bring an extra pair of gloves as one pair could become wet or dirty during the day.
- Use the correct size, good fitting gloves will reduce risk of entangling during work.
- Let other protective workwear overlap the gloves at the wrists.

EN 407
A B C D E F

EN 407
Protective gloves against thermal risks (and /or fire)

The standard is used for protective gloves which protect the hands against heat and/or flame; fire, contact heat, convective heat, radiant heat, small splashes or large quantities of molten metal. Every risk that is tested gives a result divided into different levels and the symbol of the standard is supplemented with the terms below.

Code	Explanation of terms	
A	Burning behaviour	How flammable is the glove, does the material melt, how fast does the flame go out? Measure the time for an open flame and glow to extinguish after the source of ignition is removed, 1-4. (level 3 or 4 is classified as Flame Retardant)
B	Contact heat	The glove should insulate against contact heat and must not melt. The test measures the exposure to hot object with limited heating of hand during 15s, 1-4. (level 1=100°C, level 2=250°C, level 3=350°C, level 4=500°C)
C	Convective Heat	The glove should insulate against convective heat and prevent penetration of hot air or steam. The test measures the time for harmful heat penetration, 1-4. (4 is the highest level)
D	Radiant heat	The glove can reflect or absorb heat radiation and the skin should be protected from impact. The test is calculated at 20 kW/m² and results in level 1-4. (4 is the highest level)
E	Small splashes of molten metal	Test with small splashes of molten metal, 1-4. (4 is the highest level)
F	Large splashes of molten metal	Test with large splashes of molten metal, 1-4. (4 is the highest level)

EN 388
A B C D E F

EN 388
Protective gloves against mechanical risks

This standard defines the mechanical performance and relevant test of the protective glove. The glove is tested for abrasion resistance, cut resistance, tear resistance, puncture resistance and impact protection. Every risk that is tested gives a result divided into different levels and the symbol of the standard is supplemented with the terms below.

Code	Explanation of terms	
A	Abrasion resistance	1-4 (4 is the highest level)
B	Cut resistance (coup test), optional older test	1-5 (5 is the highest level). X indicates that the test is not performed
C	Tear resistance	1-4 (4 is the highest level)
D	Puncture resistance	1-4 (4 is the highest level)
E	Cut resistance ISO 13997	A-F (F is the highest level). A=2N, B=5N, C=10N, D=15N, E=22N, F=30N
F	Impact Protection	Indicated only if the test has been performed. P=achieved

EN 420 / EN ISO 21420
General requirements and test methods for protective gloves

This standard defines the general requirements and relevant test procedures for glove design and construction, resistance of glove materials to water penetration, innocuousness, comfort and efficiency, marking and information supplied by the manufacturer.

ATPV value for protective gloves

Protective gloves tested to ASTM F2675, is performed to determine the Arc Rating (ATPV or EBT) of a glove.

EN 61482-1-2, Box test
This Electric Arc test provides a pass or fail at the two below test settings:

APC 1 - 168kJ (4kA, 400V)
APC 2 - 320kJ (7kA, 400V)

The test is modified for gloves, as gloves are not included in this standard and test method.

ANSI CUT LEVEL

ANSI CUT American standard for cut resistance

As a complement to the European standard Eureka use the ANSI test for cut resistance. This is to achieve a higher result span, A1-A9. The result is given in Newton's. The test method is the same as the one in EN 388.

CE

GS-ET-29
APC 2

IEC 62819
ATPV 25 cal/cm²

EN 397
EN 50365:2023 CL.2
EN 166
EN 170

TRA-V2-25-LPP VISARC APC2 HELMET WITH INTEGRATED FACESHIELD 25 cal/cm² ATPV

Protection of the face and head against the thermal effects of an electric arc (Arc Flash), with an energy incidence for an electrical installation of up to 7 kA, and a working distance of 30 cm (APC 2) and ATPV 25 cal/cm². Protection against thermal effects from an electric arc and arc flash, falling objects, UV radiation and molten metal splashes in particular.

Modern, ergonomic design. Colour management for personalised identification. Double shell for optimum protection of the face shield, prolonging its life and providing superior protection against electrical and Arc Flash risks. Perfectly balanced helmet, offering optimum protection for electricians in all types of industrial environments. Fold-down headband adjustment system for optimum storage. High level of VLT (Visible Light Transmittance) for enhanced visibility. Colourless screen with perfect optical quality (patented technology) for prolonged wear, without distortion or visual fatigue. Innovative helmet with integrated electronic modules. Anti-fog properties on the inside of the screen & anti-scratch properties on the outside of the screen.

12 cal/cm² option also available (TRA-V2-12-LPP)

Colour: White & Black

Size: One size

Quality: Helmet: ABS

CE

GS-ET-29
APC 1

TRA-V1 VISARC APC1 HELMET WITH INTEGRATED FACESHIELD

Protection of the face and head against the thermal effects of an electric arc (Arc Flash), with an energy incidence for an electrical installation of up to 4 kA, and a working distance of 30 cm (APC 1). Protection against thermal effects from an electric arc and arc flash, falling objects, UV radiation and molten metal splashes in particular.

Modern, ergonomic design. Colour management for personalised identification. Universal slot for accessories. Double shell for optimum protection of the face shield, prolonging product life and providing superior protection against electrical and Arc Flash risks. Perfectly balanced helmet, offering optimum protection for electricians in all types of industrial environments. Fold-down headband adjustment system for optimum storage. High level of VLT (Visible Light Transmittance) for enhanced visibility. Colourless screen with perfect optical quality (patented technology) for prolonged wear, without distortion or visual fatigue. Innovative helmet with integrated electronic modules.

Colour: White & Black
Size: One size
Quality: Helmet: ABS

TRA-VEA-3 DUAL BEAM HEADLAMP, VOLTAGE ALARM AND AUXILARY BATTERY

Different and optimised light beams:
Focused beam: long and focused beam for approach and remote area inspection.
Wide beam: wide and close beam to illuminate the entire working area.
Dual-beam: additional 2 beams light position for a better lighting when you move along the tracks and inspect the structures.

Ultra-bright XPG LED technology for an efficient and uniform lighting. When the headlamp is on, the red LEDs at the rear are continuously lit. Extended lifetime due to additional battery pack. Removable rechargeable battery pack. Lightweight and waterproof headlamp adapted to all working conditions. Weight balanced for a great comfort of use. Fit with your VISARC helmet, no more using adapters or headbands that don't hold. Fully tested (dielectric, mechanic, Arc Flash) with the VISARC helmet according to all its standards.

Voltage Alarm available in 5 sensitivity levels (scan QR code on page 6).
Headlamp also available without integrated voltage alarm & battery pack.

ALADIN UNIVERSAL FIT PERSONAL HEADLAMP & VOLTAGE ALARM

This device combines a headlight and a personal voltage alarm to provide an extra safety level for workers operating near energised equipment in an electrical environment.

The Aladin can help in the following situations:

- **Unintentional Proximity** – a sudden movement towards the voltage source.
- **Unexpected Return of Voltage** – human or equipment during a non-energised network operation.
- **Working Area Error** – the operator believes they are working on a non-energised network.

ALADINMVOHCEFC (10-69 kV)
ALADINHVCEFC (50- 400 kV)
ALADINCEFC ALADIN (2-400 kV)

*Helmet for illustrative purposes only

HELMET ACCESSORIES

VISARC APC 1 & APC 2 HELMETS

ITEM
TRA-VA-REFLECT 4X FR GREY RETROFLECTIVE STRIPS
TRA-VA-NECK FR NECK PROTECTOR (HV, UV & WATER REPELLENT)
TC42AB 26DB EAR PROTECTORS (VISARC APC1 ONLY)
C279 DISPOSABLE HAIR RESTRAINT

INCLUDED WITH HELMET
TRA-VA-BAGS STANDARD PROTECTIVE BAG
TRA-VA-WIPE MICROFIBRE CLOTH

RX0021 SAFETY HELMET - 36 cal/cm²

GS-ET-29
APC 2

ASTM F2178
ATPV 36 cal/cm²

Helmet with integrated face shield and protection against Electric Arc. Reflective for improved visibility. Adjustable in size 53-63cm. The helmet is designed to protect the head against mechanical shock and electric shock. The face shield protects against hazards which may occur during live working and can fully retract into the helmet when not in use. 4-point chin strap with Quick clasp. The helmet meets the requirements of ANSI Z89.1 Class E (20kV AC), EN 397 and EN 50365 Class 0 (1000 V AC/1500 V DC). The face shield meets the requirements of EN 166, EN 170, ASTM-F2178 and GS-ET-29.

Colour: White

Size: One size

Quality: Helmet: ABS, Face shield: Polycarbonate

RX0001 SAFETY HELMET BOX Class 1

GS-ET-29
APC 1

Helmet with integrated face shield and protection against Electric Arc. Reflective for improved visibility. The helmet is designed to protect the head against mechanical shock and the head and eyes against electrical hazards that occur during live working and work at height. The face shield protects against hazards which may occur during live working and can fully retract into the helmet when not in use. The face shield is also resistant to impact of particles of medium energy and has an internal coating for protection against fogging, an outer scratch-resistant coating and is resistant to damage by fine particles. The visor has a light transmission factor of VLT> 75% (class 0) in accordance with European standards. The helmet meets the requirements of EN 397:2012+A1:2012 (-40°C - +50°C), EN 50365:2002 Class 0 and EN 166:2001. Lifetime of the helmet is 60 months from the date of manufacture.

Colour: White

Size: One size

Quality: Helmet: ABS, Face shield: Polycarbonate

RX0022 FR NECK AND EAR COVER FOR HELMET

EN ISO 11612
A1+A2 B1 C2 F1

EN 61482-2
APC 2

EN ISO 11611
CL.2 A1+A2

GS-ET-29
APC 2

Flame Retardant and Anti-Static neck and ear cover to be attached to helmet RX0001 or RX0021. The cover is fastened on the helmet with velcro. Closing with velcro under the chin. When the cover is not in use, it can be attached on top of the helmet.

HELMET REPLACEMENTS & ACCESSORIES

G111.1113 HEAD TORCH

4 cold white light LEDs,
4 warm white light LEDs,
1 red light LED.
Micro-USB port for charging.
Attached to SECRA helmets with a mounting clip.
400 lm / 600 mAh

RX0021 & RX0001 HELMETS

CODE	ITEM
G111.1113	HEAD TORCH
G113.1112	FRONT SWEATBAND
G113.1115	CHINSTRAP
G113.1114	REAR SWEATBAND
G113.1111	HEAD HARNESS
G113.1122	FACE SHIELD
G113.1117	REFLECTIVE STICKERS
G114.1111	VISOR CLEANING CLOTH
G114.1112	STORAGE & TRANSPORT BAG

CE

GS-ET-29
APC 2

ASTM F2178
ATPV 27 cal/cm²

ARC FLASH FACE SHIELD ERGOS 3POWER- 27 cal/cm²

7407510 (Universal Bracket)
7407520 (EU Bracket)
7407530 (US Bracket)

ErgoS 3power is the newest generation of face protection against the thermal hazards of arc flash and an evolution of the ErgoS 2power visor with an improved balance of weight. Low weight at only 350gms / 400gms (Slot/Universal mounting). Ergonomic design - even lighter and more compact. Clear non-tinted visor with transparent chin guard. Realistic colour reproduction (93 %). No optical aging of the visor. BSD guarantees safety properties for 10 years. One size fits all.

12 cal/cm² APTV version also available - ERGOS 3 PLUS
7407410 (12 cal/cm² Universal Bracket)
7407420 (12 cal/cm² EU Bracket)
7407430 (12 cal/cm² US Bracket)

CE

ASTM F2178
ATPV 40 cal/cm²

SA0001 ELECTRIC ARC HOOD + VISOR + HELMET - 40 cal/cm²

Combined set with Electric Arc hood 9179, integrated lift-front visor RX0018 and helmet with chin strap. 917995 - Electric Arc hood in softshell fabric with high arc protection. Helmet - Robust helmet with durable shell construction and chin strap RX0019. Cooling vents for improved air circulation and comfort. RX0018 - Highly transparent 3Phase Arc Flash protection lift-front visor. One size fits all.

***COMPONENTS AVAILABLE SEPARATELY**

hubix SECRA HELMETS UPDATED IMPROVEMENTS

THE UPDATES INCLUDE:

- A QR code placed on side of helmets
- PI system
- Iradiant stickers
- Modern sweatbands

NEW QR CODE:

Updated product information (PI) system includes information about the helmet's usage, start date and full documentation. This covers technical data sheets and user manuals. It is now possible to test the functionality of the QR code before opening the packaging through new window on cardboard box.

THE PI SYSTEM:

- Benefits distributors and end users
- Efficient logistics
- No more paperwork
- Better product management
- Key information always available
- Safe and transparent usage process

HELMET UPDATES:

- Iradiant Stickers - Increase visibility in the dark
- Soft & Absorbent Sweatbands - Removable and washable

630890 FLAME RETARDANT BALACLAVA

EN ISO 11612
A1+A2 B1 C1 F1

EN 1149-5

STANDARD 100
2176-340
DTI
www.oeko-tex.com

Non-Metal and Inherent Flame Retardant balaclava in soft tricot Merino wool and FR viscose. PFAS-free.
The balaclava offers good protection for chin, neck and face. Longer front.

Colour: 07 black
Size: One size
Quality: 902: Merino BX - 60% wool / 38% viscose / 2% antistatic, 250 g/m²
Test result fabric: ELIM: 6,3 cal/cm², ATPV: 7,6 cal/cm²

919589 FLAME RETARDANT BALACLAVA

EN ISO 11612
A1 B1 C2 F1

EN 1149-5

STANDARD 100
2176-340
DTI
www.oeko-tex.com

Soft balaclava with high protection against Electric Arc. Sewn in double tricot with ELIM: 22,0 cal/cm², EBT: 27,0 cal/cm², APC 2. 20% recycled cotton. PFAS-free.
Extra protection over the shoulders.

Colour: 03 navy
Size: One size
Quality: 895: Cantex Jersey AT - 60% modacrylic / 19% recycled cotton / 19% cotton / 2% antistatic, 180 g/m² 899: Cantex Terry - 60% modacrylic / 19% recycled cotton / 19% cotton / 2% antistatic, 290 g/m²
Test result fabric: 895: ELIM 3,9 cal/cm², EBT: 4,6 cal/cm²
899: ELIM: 8,6 cal/cm², EBT: 11 cal/cm²

7406480 FLAME RETARDANT BALACLAVA

EN 1149-5

Arc flash tested according to ASTM F1959, ATPV: 34.0 cal/cm2. For wearing underneath face shields. For protection of the head against Arc Flash. Double layer fabric: 7.8 oz. One size fits all.

EN ISO 11612
A1 B1 C1 F1

EN 1149-5

STANDARD 100
2176-340
DTI
www.oeko-tex.com

599592 FLAME RETARDANT BALACLAVA

Non-Metal and Inherent Flame Retardant balaclava in tricot, where 50% of the cotton is recycled. PFAS-free.
The balaclava offers good protection for chin, neck and face. Longer front.

Colour: 03 navy

Size: One size

Quality: 920: Cantex JX - 60% modacrylic / 19% recycled cotton / 19% cotton / 2% antistatic, 235 g/m²

Test result fabric: ELIM: 7,5 cal/cm², EBT: 8,0 cal/cm²

TRANEMO
ADVANCED WORKWEAR

EN ISO 11612
A1+A2 B1 C1 F1

EN 1149-5

STANDARD 100
2176-340
DTI
www.oeko-tex.com

599900 FLAME RETARDANT NECK PROTECTION

Non-Metal and Inherent Flame Retardant neck protection that provides good protection against exposure of Electric Arc. PFAS-free fabric, where 50% of the cotton is recycled. The neck protection also prevents molten metal getting under the collar. It can be pulled up and used as a balaclava which then gives protection to the ears and open skin/hair. To obtain protection to the front of the face, pull up the neck protection from the front. The neck protection can also be worn as a neckerchief and protects against cold.

Colour: 03 navy

Size: One size

Quality: 051: Cantex Light Rib - 56% modacrylic / 19% recycled cotton / 18% cotton / 5% elastic fibre / 2% antistatic, 230 g/m²

Test result fabric: ELIM: 5,1 cal/cm², EBT: 6,3 cal/cm²

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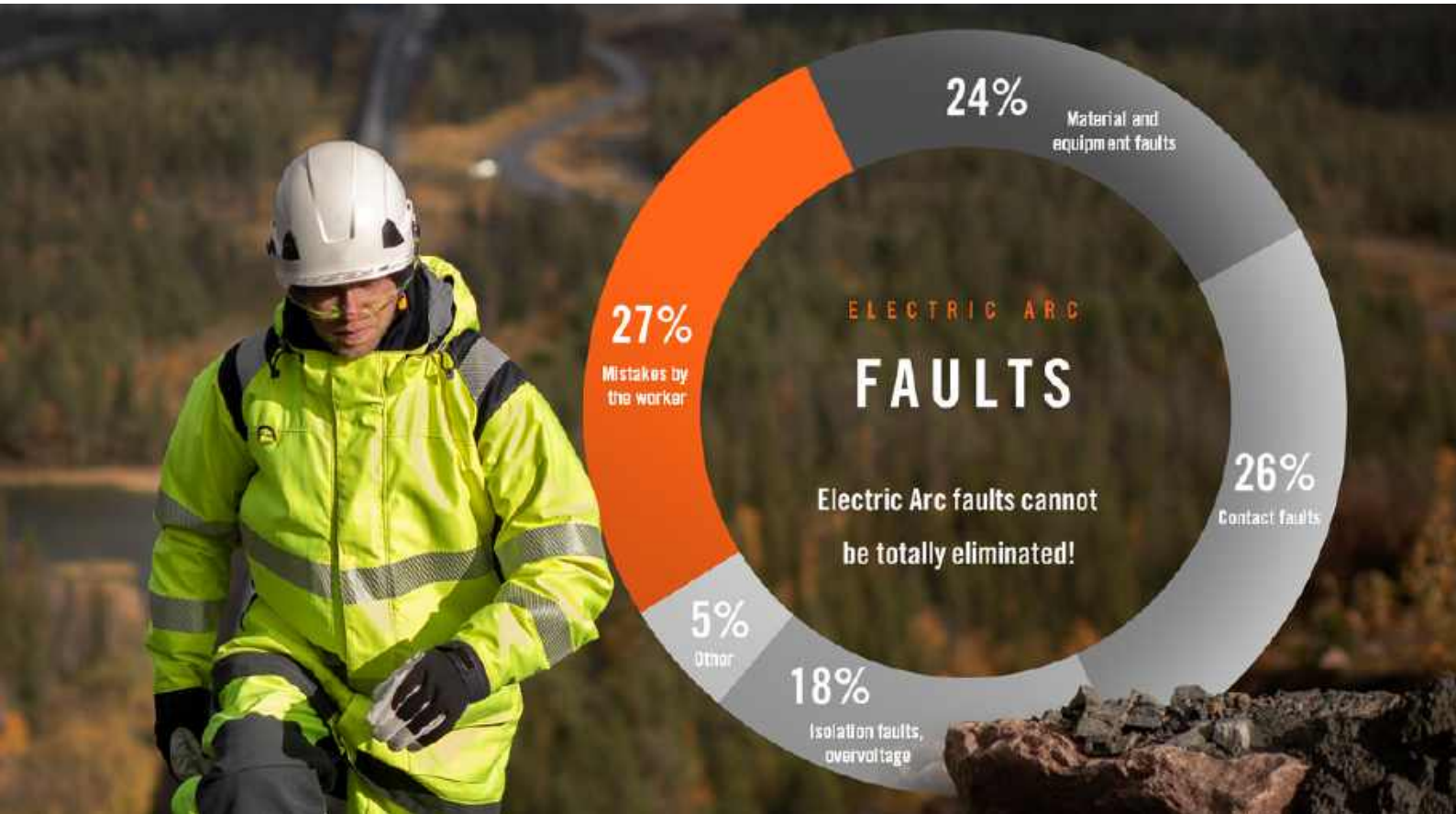


CE

GS-ET-29
APC 2

ASTM F2178
ATPV 25 cal/cm²

7406970 ARC FLASH HOOD - 25 cal/cm²

ARC Flash Hood for use when working with live parts or in the vicinity of live parts without requirements for head protection. ARC Flash tested according to ASTM F2178, ATPV: 25.0 cal/cm2. ARC Flash tested according to DGUV GS-ET-29, class 2 318 kJ. Additionally tested with a higher test level W(LBP) = 630 kJ. EN 166, 8. Back of the head is protected against thermal dangers of an Electric Arc through embedded neck protection. True colour visor, will not deteriorate over time. Approved for live working. Classification on visor. One size fits all.

14 cal/cm2 ATPV version available - 7406960

Bump cap available for both products - 7406945

CE

GS-ET-29
APC 2

ASTM F2178
ATPV 40 cal/cm²

7406980 ARC PROTECTION HOOD - 40 cal/cm²

ARC protection Hood for use when working with live parts or in the vicinity of live parts. Tested according to IEC 61482-1-1: ASTM F2178, ATPV:40.0 cal/cm2. EN 166. CE-labelling. Ultra lightweight 410 g/m2, (12 oz). True colour visor. Visor will not deteriorate over time. Approved for live working. Highest ARC Flash Protection. With integrated hard hat, ANSI/ISEA Z89.1-2009 Type 1 Class E & bracket. One size fits all.

CE

GS-ET-29
APC 2

ASTM F2178
ATPV 47 cal/cm²

7406996 ARC PROTECTION HOOD - 47 cal/cm²

ARC Protection Hood for use when working with live parts or in the vicinity of live parts. Tested according to ASTM F2178, ATPV: 47.0 cal/cm2. Fabric tested according to ASTM F1506, CSA Z462, OSHA 1910.269. True colour visor. Visor will not deteriorate over time. Approved for live working. Highest ARC Flash Protection. With integrated hard hat, ANSI/ISEA Z89.1-2009 Type 1 Class E & bracket. Fabric double layer, 350 g/m2, (10 oz) per layer, cotton, Anti-Static. One size fits all.

CE

EN 407
4111XX

IEC 61482 -1-1
EBT 8.7 cal/cm²

46505 HRC 2 LIGHT ARC FLASH GLOVE - 8.7 cal/cm²

ARC Flash tested according to IEC 61482-1-1: ATPV: 8.7 cal/cm2. ARC Flash tested according to IEC 61482-1-2: 2007 class 1 test level W(LBP) = 168 kJ. Light gloves for work with ARC Flash risks. Perfect fitting through soft and pliant knit fabric. Excellent under-gloves for insulation gloves. Breathable, therefore can be worn longer with insulated gloves. Tested according to EN 407:2004, heat protection. Tested according to EN 388:2003, mechanical risks. Good dexterity and fit.

Size: 8-11

EN 407
4122XX

EN 388
3111

IEC 61482-1-1
ATPV 18 cal/cm²

IEC 61482-1-2
(Gloves) CL.2

46400 HRC 2 ARC FLASH GLOVE - 18 cal/cm²

ARC Flash tested according to IEC 61482-1-1: ATPV: 18 cal/cm2. ARC Flash tested according to IEC 61482-1-2: 2007 class 2 test level W(LBP) = 318kJ. Additionally tested with a higher test level W(LBP) = 395 kJ. Protection against mechanical risks according to EN388:2003. Protection against thermal risks according to EN 407:2004. Back of glove has double textile construction. Inside seams, with Aramid thread. Perfect fit via soft and flexible leather. Good dexterity and fit. Breathable.

Size: 8-12

EN 407
4122XX

EN 388
2121

IEC 61482-1-1
ATPV 31 cal/cm²

IEC 61482-1-2
(Gloves) CL.2

46503 HRC 3 ARC FLASH GLOVE - 31 cal/cm²

ARC flash tested according to IEC 61482-1-1: ATPV 31 cal/cm2. ARC Flash tested according to IEC 61482-1-2: 2007 class 2 test level W(LBP) = 318 kJ. Additionally tested with a higher test level W(LBP) = 395 kJ. Protection against mechanical risks according to EN 388:2003. Protection against thermal risks according to EN 407:2004. Back of glove has double textile construction. Perfect fit via soft and flexible leather. Good dexterity and fit. Breathable.

Size: 8-12

EN 407
4132XX

EN 388
2542

IEC 61482-1-1
ATPV 45 cal/cm²

IEC 61482-1-2
(Gloves) CL.2

46504 HRC 4 ARC FLASH GLOVE - 45 cal/cm²

ARC flash tested according to IEC 61482-1-1: ATPV 45 cal/cm2. ARC Flash tested according to IEC 61482-1-2: 2007 class 2 test level W(LBP) = 318 kJ. Additionally tested with a higher test level W(LBP) = 630 kJ. Protection against mechanical risks according to EN 388:2003. Protection against thermal risks according to EN 407:2004. Back of glove has double textile construction. Perfect fit via soft and flexible leather. Good dexterity and fit. Breathable.

Size: 8-12

CAT II

EN 407
41XXXX

EN 388
3X31D

ANSI CUT
A4

ASTM F2675
ATPV Palm 22 cal/cm²

Box test modified
Class 1

RG0011 FLAME RETARDANT GLOVES ARC 6

Super thin Flame Retardant installation gloves with lower Electric Arc protection. (Eureka 15-4 Heat AF-6)
The gloves have medium cut resistance and highest levels of dexterity. Contains 1% anti-static fibre.

Colour: 00 multi-colour

Size: 7/XS-11/XL

Quality: 55% Para aramide / 21% polyester / 14% fibre glass / 5% elastane / 5% anti-static Coating: Flame Retardant neoprene based composite

CAT III

EN 407
41312X

EN 388
3X42E

ANSI CUT
A5

ASTM F2675
ATPV Palm 57.9 cal/cm²
Back of hand 17.1 cal/cm²

Box test modified
Class 2

RG0013 FLAME RETARDANT GLOVES ARC 17

Flame Retardant gloves with medium Electric Arc protection. (Eureka 13-4 Heat AF-17)
Perfect in tough working conditions with high spark, heat and flame risks. Eureka Arc Flash Dot Technology. High performance in cut resistance. Contains 1% anti-static fibre.

Colour: 00 multi-colour

Size: 7/XS-12/XXL

Quality: 80% Para aramide / 10% fibre glass / 5% modacrylic / 3% elastane / 2% anti-static Coating: Chloroprene

CAT III

EN 407
41323X

EN 388
3X42E

ANSI CUT
A5

ASTM F2675
ATPV Palm 57.9 cal/cm²
Back of hand 28.8 cal/cm²

Box test modified
Class 2

RG0014 FLAME RETARDANT GLOVES ARC 29

Flame Retardant lined gloves with high Electric Arc protection. (Eureka 13-4 Heat AF-29)
Perfect in tough working conditions with high spark, heat and flame risks. Eureka Arc Flash Dot Technology. High performance in cut resistance. Contains 1% anti-static fibre. Extra long cuffs.

Colour: 00 multi-colour

Size: 7/XS-12/XXL

Quality: 80% Para aramide / 10% fibre glass / 5% modacrylic / 3% elastane / 2% anti-static Coating: Chloroprene

CAT III

EN 407
41324X

EN 388
3X43E

ANSI CUT
A5

ASTM F2675
ATPV Palm 42 cal/cm² Back of hand 59 cal/cm²

IEC 61482-1-2
(Gloves) CL.2
Box test modified

RG0005 FLAME RETARDANT GLOVES ARC 40

Flame Retardant glove with very high Electric Arc protection. (Eureka 13-4 HAF50) Optimised design to withstand powerful arc explosions. Suitable for toughest working conditions with high risk of heat, flame and Electric Arc risks. High performance in cut resistance.

Colour: 00 multi-colour

Size: 8/S-12/XXL

Quality: 76% Para aramide /10% fibre glass / 8% modacrylic / 4% elastane / 2% anti-static Back of hand: 48% modacrylic / 38% cotton / 10% polyurethane / 2% polyamide / 1% elastane / 1% anti-static Coating: Flame Retardant neoprene based composite

CE

ASTM F2675
ATPV 64 cal/cm²

IEC 61482-1-2
(Gloves) APC2

EN 60903
CL.0 AZC

RG0015 INSULATING ARC GLOVES ARC 64

The electrical insulating gloves are certified to EN 60903 class 0 and are specifically engineered to provide reliable protection when working on or around energized equipment up to 1,000 volts AC. Arc Rating 64 cal/cm², APC 2 7kA. They are ideal for electricians, utility workers, and industrial technicians operating in low-voltage environments.

Manufactured using environmentally friendly aqueous dipping process, made from high-grade natural latex to ensure both flexibility and long-lasting durability. The result is a soft, comfortable glove that offers superior dexterity and reduced hand fatigue for daily electrical work. Designed for enhanced comfort during extended wear and repetitive tasks.

Colour: 00 multi-colour

Size: 8/S-11/XL

Quality: 100% Natural Latex

CAT 3

EN 61482
ASTM F2675
EN 60903

IEC 61482-1-2

TRA-AFG FLASH AND GRIP COMPOSITE GLOVE

Bicolour composite gloves with integrated mechanical protection, no need for leather protector. Arc flash rated for box test and ATPV by a third party authorised body. Insulating 3-in-1 glove (dielectric, mechanical and arc flash). The unique formulation of the rubber compound makes F&G gloves extremely flexible. Each pair of composite gloves are supplied with one pair of cotton fingerless undergloves for increased comfort.

Size: 6-12
Length: 36cm & 41cm

CLASS 00 - 26.3 cal/cm²
CLASS 0 - 71.6 cal/cm²
CLASS 1 - 42.2 cal/cm²
CLASS 2 - 74.5 cal/cm²
CLASS 3 - 73.2 cal/cm²
CLASS 4 - 87.7 cal/cm²

EN 407
41324X

EN 388
1121X

ASTM F2675
ATPV 12 cal/cm²

IEC 61482-1-2
(Gloves) CL.1

Class 0/AZC

TRA-JF036-0 TOUCH-E ELECTRICANS GLOVE - 12 cal/cm²

Electrical Insulating glove 3-in-1: dielectric, mechanical and arc flash protection. Achieves Level 1 for abrasion resistance as defined by European Standard EN 388. Full coverage design and pre-curved shape for maximum comfort and ultimate protection. Slip-resistant pattern on the palm enhances grip. Class 0, for a maximum working AC voltage of 1000V. Protection against arc flash, ATPV – 12 cal/cm2 & IEC 61482-1-2: Class 1 (0.5s - 4kA). Unique formulation of the rubber compound makes gloves extremely flexible. Latex primary coating.

Size: 8/S-10/L

EN 407

EN 388
1X4XF

ASTM F2675
ATPV 5.8 cal/cm²

IEC 61482-1-2
(Gloves) APC CL.1

TRA-RGX-SGT KEVLAR OVERGLOVES FOR TOUCH-E GLOVE - 5.8 cal/cm²

Gauge 10 seamless knitting glove. Kevlar fibre thread, mineral and cotton composite. Leather reinforcement on thumb-index-middle finger and palm. Good dexterity, manufactured in accordance with Reach and Black/yellow colour.

Size: 8, 9, 10

GLOVE SYSTEM
ARC RATING

ATPV (cal/cm²)

33.4

TOUCH-E GLOVE
TRA-JF036-0

ARC RATING
12 cal/cm² ATPV

KEVLAR OVERGLOVES
TRA-RGX-SGT

ARC RATING
5.8 cal/cm² ATPV

TRA-GLE ELECTROVOLT NATURAL RUBBER INSULATING GLOVE

EN 60903 / IEC 60903

Hand insulation according to class and nominal mains voltage. To be used with a leather overglove for mechanical protection. Ergonomically shaped glove with lightly powdered interior for easy donning and doffing. The natural rubber structure provides high dielectric properties; its thickness protects while ensuring excellent dexterity.

Size: 8/S-11/XL

		CLASS - GLE (RUBBER GLOVE)					
		00	0	1	2	3	4
SIZE (RUBBER GLOVE)	6	A	A	-	-	-	-
	7	A	A	B	B	-	-
	8	B	B	C	C	E	E
	9	B	B	C	C	E	E
	10	C	C	D	E	F	F
	11	D	D	E	F	G	G
	12	E	E	F	G	G	G

EN 388
2122X

TRA-RGX-SG OVERGLOVES FOR ELECTROVOLT GLOVE

Cowhide grain leather gloves with split leather cuff, adjustable straps; designed to perfectly fit over the Electrovolt gloves. Leather protectors are recommended to be worn over insulating rubber gloves to ensure mechanical protection (local regulations, work practices and risk analysis apply). Specifically designed to fit over the Electrovolt gloves in order to ensure a good level of dexterity.

Size: 6-12

TRA-EOSE9030 PNEUMATIC GLOVES TESTER

Recommended for field inspection before/after each use, but also for periodic visual inspection. It allows to check the entire surface of a glove, including the sleeve (according to the recommendations of EN 60903* and IEC 60903).
The visual and meticulous inspection of the entire surface of the glove then makes it possible to detect any perforations or other defects (holes, cuts, important stains, burns, material alterations).
*for Class 00 and 0 gloves, air leakage verification and visual inspection may also be considered suitable for periodic inspection (EN 60903).

TRA-RGX-SAC CANVAS STORAGE BAG

Made of tough reinforced waterproof material for transporting electrician's gloves in vehicles, bags or toolboxes. Bag fitted with a snap fastener and inside gusset for the flask of talcum powder. Delivered without flask of talcum powder.

CONVENIENT & COMPLIANT KITS

5194 95:
SHELL
TROUSERS

5193 95:
SWITCH
COAT

9190 00:
STORAGE
BAG

RG0005:
ARC
GLOVES

5195 95:
SOFTSHELL
JACKET

SA0001:
HOOD,
VISOR &
HELMET

TRANEMO
ADVANCED WORKWEAR

ELIM 45 cal/cm²*
*CLOTHING ONLY

55SR9V HI-VISIBILITY TRANEMO ARC PROTECTION KIT

Lightweight protective Arc Flash PPE for the highest risk zone according to NFPA 70E 130.7 category 4. Tranemo inherent Arc softshell jacket and shell trousers provide protection of 45 cal/cm² ELIM. Combined with the SA0001 Arc Flash hood, helmet and visor (40 cal/cm² APTV) and RG0005 (42 cal/cm² ATPV) provides protection for the full body, head and hands. The Tranemo arc protection kit is designed to be put over existing ARC/FR clothing to provide additional safety in high risk areas. The full kit is provided in a Tranemo branded storage bag for convenience when on the go and to increase the lifespan of the kit.

COMPONENTS	SIZE
519495 SHELL TROUSERS	XS-3XL
519595 SOFTSHELL JACKET	XS-4XL
SA000103 HOOD + VISOR + HELMET	ONE SIZE
RG0005 ARC GLOVES	8(S)-12(XXL)
919000 STORAGE BAG	55 L

55SR9L

TRANEMO SWITCH ARC PROTECTION KIT

TRANEMO ARC PROTECTION KIT ALSO AVAILABLE WITH 45 CAL/CM² SWITCH COAT (519395)

- Reaches PPE category 4
- Non-Metal and Inherent FR
- Velcro closing for quick release

*Jacket designed for wear over other garments - fit is intentionally loose.

COMPONENTS	SIZE
519495 SHELL TROUSERS	XS-4XL
519395 SWITCH COAT	S-2XL, 4XL
SA000103 HOOD + VISOR + HELMET	ONE SIZE
RG0005 ARC GLOVES	8(S)-12(XXL)
919000 STORAGE BAG	55 L

Detailed certification information for each product within the kits can be found in the individual product descriptions throughout this catalogue.

TRP-1 PENTA ELECTRICAL SAFETY KIT

THE ELECTRICAL SAFETY KIT ALLOWS TO ASSIST PEOPLE IN PRESENCE OF ELECTRICAL HAZARDS, UP TO 25 KV NETWORK WITH MODEL VES25 OR UP TO 36 KV NETWORK WITH MODEL VES36.

This kit is particularly suitable for the following situations:

- Road accidents
- Electric and hybrid cars
- Cable removal
- Work on photovoltaic panels
- Work on electrified railways
- Manufacturing

COMPONENTS

LOW VOLTAGE KIT

- Insulating stool: 25 000V
- Insulating gloves: GLB3-36-10 (class 3) for model VES25
- Insulating boots TB19: Protection against step voltage
- Insulating stick PPOLVES, equipped with a hook CSVES: Telescopic stick with pentagonal shape
- Electrical warning device for distribution networks (LV/HV): UNITAGUFE
- Cable cutter CCIVES: Insulated 36 000 V cable cutter
- Talc shaker TS10T: For easier donning of gloves
- Fabric case for gloves TS10: Mechanical and UV protection
- Adhesive marker tape S174JN: For marking off an area
- Instructions for use VESNOT: In diagram form

COMPONENTS

HIGH VOLTAGE KIT

- Insulating stool: 36 000V models available
- Insulating gloves: GLB4-41-10 (class 4) for model VES36
- Insulating boots TB19: Protection against step voltage
- Insulating stick PPOLVES, equipped with a hook CSVES: Telescopic stick with pentagonal shape
- Electrical warning device for distribution networks (LV/HV): UNITAGUFE
- Cable cutter CCIVES: Insulated 36 000 V cable cutter
- Talc shaker TS10T: For easier donning of gloves
- Fabric case for gloves TS10: Mechanical and UV protection
- Adhesive marker tape S174JN: For marking off an area
- Instructions for use VESNOT: In diagram form

ELECTRICAL SAFETY KIT FOR FIELD OPERATIONS

ADVANTAGES:

- **COMPACT**: The case is 600 x 400 x 310 mm size.
- **MOBILITY**: Exclusive wheel system and handle.
- **TOUGH**: Manufactured with materials to give optimum service life.
- **HIGH VISIBILITY**: Retro reflective strips are used for greater visibility.
- **OPTIMISED STORAGE**: Packs a lot of equipment into a small space.

***It is possible to complete the kit with a DC current clamp.**

40 cal/cm²

41004 ARC PROTECTION KIT POWER

Multi-functional clothing for the highest level of Arc protection in two layers. The combination of modern materials guarantees comfort and breathability with high levels of ARC protection. The jacket and bib overall are designed to be worn over clothing. They are comfortable and lightweight, 410 g/m2, 12oz Yarn dyeing, no leaching of the textile fabric. Good moisture regulation and breathability, RET-value according to EN 31092 / ISO 11092: 7.1m2 PA/W Mixed fabric Aramid (Nomex), Modacryl, Cotton and Anti-Static components. Colour: dark blue. The hood has a clear, non-coloured visor and is very light (650g / 23oz).

47 cal/cm² ATPV version available

COMPONENTS	SIZE
465502 BIB OVERALL	S-3XL
465501 LONG JACKET	S-3XL
7406980 HOOD POWER	ONE SIZE
46504 PROTECTIVE GLOVES	8-12
4701001 STORAGE BAG	580mm x 300mm 35mm

Detailed certification information for each product within the kits can be found in the individual product descriptions throughout this catalogue.

DISTRIBUTION OF
THERMAL INJURIES

519395 FLAME RETARDANT SOFTSHELL COAT

TRANEMO ADVANCED WORKWEAR

Non-Metal and Inherent Flame Retardant coat with velcro closing for "quick release" that reaches PPE category 4 (higher than 40 cal/cm²). The coat has fluorescent fabric over the shoulders for increased visibility and is made of a soft, wind and water resistant softshell fabric.

Colour: 94 yellow/navy
Size: S; L; XXL; 4XL
Quality: 955: Windtech FR 550 - 53% modacrylic / 42% cotton / 3% polyamide / 1% elastic fibre / 1% antistatic, PU-laminated, 550 g/m²

CE

EN ISO 11612 A1 B2 C2 F2
IEC 61482-2 APC 2

ELIM: 45,0 cal/cm² EBT: 49,0 cal/cm²

EN 1149-5

EN 13034
type PB[6]

OEKO TEX® STANDARD 100 PPE 2476-423PPE DTI
www.oeko-tex.com

519595 FLAME RETARDANT SOFTSHELL JACKET

TRANEMO ADVANCED WORKWEAR

Non-Metal and Inherent Flame Retardant softshell jacket that reaches PPE category 4 (higher than 40 cal/cm²). The jacket is ergonomically shaped for working with raised arms and is made from a soft, wind and water resistant softshell fabric. Concealed front zip and double storm flap with press studs. Two loops for communication equipment. Chest pockets with zip. Side pockets with zip. Inside knitted cuffs in sleeves. Drawcord at the bottom of the jacket. Heat sealed reflective stripes for greater comfort. *The garment has a combined certification and is approved for EN ISO 20471 CL.3 when worn together with Tranemo trousers or bib´n´brace certified according to EN ISO 20471 CL.1 or CL.2.

Colour: 94 yellow/navy
Size: XS-4XL
Quality: 955: Windtech FR 550 - 53% modacrylic / 42% cotton / 3% polyamide / 1% elastic fibre / 1% antistatic, PU-laminated, 550 g/m²

CE

EN ISO 11612 A1 B2 C2 F2
IEC 61482-2 APC 2

ELIM: 45,0 cal/cm² EBT: 49,0 cal/cm²

EN 1149-5

EN 13034 type PB[6]

EN ISO 20471 CL.3
CL.2* (XS-S)

OEKO TEX® STANDARD 100 PPE 2476-423PPE DTI
www.oeko-tex.com

519495 FLAME RETARDANT SOFTSHELL TROUSERS

TRANEMO ADVANCED WORKWEAR

Non-Metal and Inherent Flame Retardant softshell trousers that reach PPE category 4 (higher than 40 cal/cm²). The trousers have a full-zip on the outside of the legs and are made from a soft, wind and water resistant softshell fabric. Removable braces with plastic buckles. Loops in waist. Side pocket with flap. Front pocket with flap. Two- way zip in legs. Heat sealed reflective stripes for greater comfort.

Colour: 94 yellow/navy
Size: XS-4XL
Quality: 955: Windtech FR 550 - 53% modacrylic / 42% cotton / 3% polyamide / 1% elastic fibre / 1% antistatic, PU-laminated, 550 g/m²

CE

EN ISO 11612 A1 B2 C2 F2
IEC 61482-2 APC 2

ELIM: 45,0 cal/cm² EBT: 49,0 cal/cm²

EN 1149-5

EN 13034 type PB[6]

EN ISO 20471
CL.1

OEKO TEX® STANDARD 100 PPE 2476-423PPE DTI
www.oeko-tex.com

919000 BACKPACK / BAG

Backpack/bag in Tranemo design with a large zip opening. The bag can either be carried on the back with solid, padded and adjustable shoulder straps or with the carrying handles.
Pocket on the outside with zip. Inner pocket with zip in the lid. Shoe compartment on the inside. The bag holds about 55 L.

Colour: 07 black

Size: One size

912000 FR KNEEPADS

CE

EN 14404
Type 2 Level 1

The kneepads can be used both with Flame Retardant workwear and regular workwear and meets the requirements of EN ISO 11612:2015 limited flame spread A1. The kneepads are lightweight and shapes easily to the knee and are well suited for varied work on knees. Can be used in all Tranemo´s kneepad pockets and meets the requirements for EN 14404 TYPE 2.

Colour: 00 multi-colour

Size: One size

Quality: 100% Ethylene Vinyl Acetate Shell: Fawolon

917600 FLAME RETARDANT CALF SUPPORT

CE

EN ISO 14116
index 3

EN 1149-5

STANDARD 100
2176-340
DTI
www.oeko-tex.com

Inherent Flame Retardant calf support. PFAS-free fabric, where 50% of the cotton is recycled.
To find the correct size, measure around the widest part of the calf.

Colour: 03 navy

Size: M(30-36cm) / L(32-38cm) / XL(34-40cm)

Quality: 48% modacrylic / 30% cotton / 18% elastane / 2% polyamide / 2% antistatic

905500 FLAME RETARDANT BELT

Non-Metal and Inherent Flame Retardant belt with plastic buckle. Width 35 mm. Size: S=100 cm, L=120 cm, XXL=145 cm. Intended for garments certified according to EN ISO 11612/11611/14116.

Colour: 07 black

Size: S; L; XXL

Quality: 58% polyester / 25% modacrylic / 16% cotton / 1% antistatic

909300 LEATHER BELT

Leather belt with covered metal buckle with no exposed metal which is a requirement for Electric Arc garments. Also helps protect against risk of scratching when working in sensitive environments.
Adjustable length. Width 40mm.

Colour: 07 black

Size: One size

Quality: Leather

NEW INNOVATION TO THE MARKET

DEVELOPED IN COLLABORATION WITH A GLOBAL ELECTRICAL INSTALLATION COMPANY

MOBILE PROTECTION FOR INSERTION AND REMOVAL OF NF FUSE LINKS

7425010 NH FUSE HANDLE APC2

The NH Fuse handle is manufactured in accordance with the requirements and tests of VDE 0680 Part 4 and is thus approved for live working up to 1000 V AC / 1500 V DC. The certification of the NH handle according to GS-ET-38 provides confirmed proof that the NH fuse handle offers arc fault protection of APC 2.

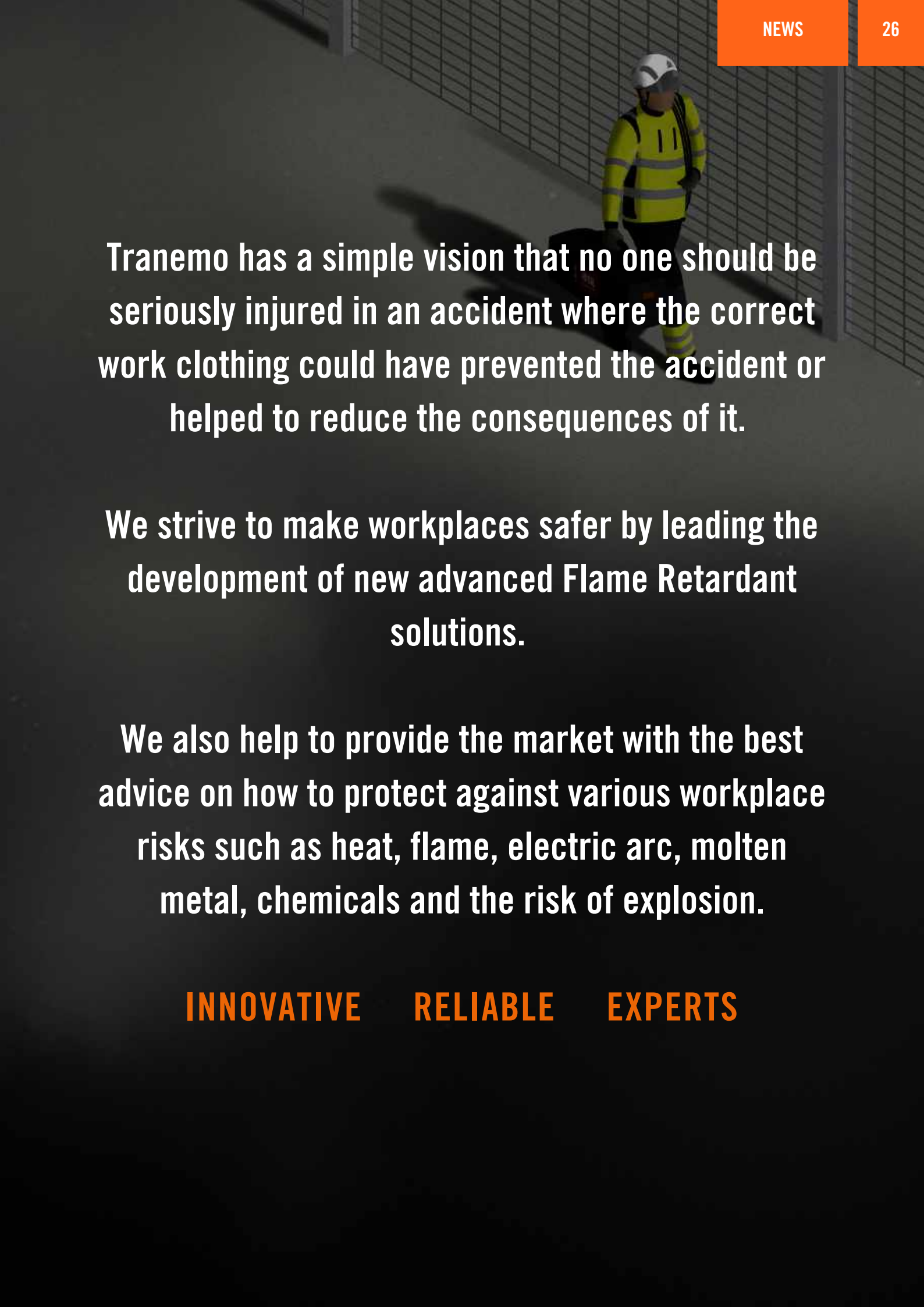
The NH Fuse handle is a device for mobile use. It is intended for the insertion and removal of NH Fuse links to DIN 43620 Part 1 in sizes 00 to 3 for rated voltages up to 660 V AC or 440 V DC.

The handle may also be used to insert and remove devices that are used instead of NH Fuse links.

Tested coupling device with which the NH Fuse link and the NH push-on handle can be coupled and released in a lockable manner. Safety guard to protect the hand from direct contact with live parts. Permanently connected textile cuff to protect the hand and forearm from the thermal hazards of an arc fault, length 350 mm. No restriction of use or service life. No repeat tests.

7425005 FUSE HANDLE ADAPTER CLAMP

Clamp adapter tool for defective NH Fuse links, allowing for safe removal of the terminals. Clamp creates a power and positive connection with the NH Fuse link. After attaching the adapter to the defective NH Fuse insert, it can then connect with a conventional NH safety clip-on handle. Utilising a simple and quick adjustment, the adapter can fit different sizes of NH Fuse links.
Suitable for: NH0, NH1, NH2 & NH3
Clamping range: 25-55 mm fuse width



Tranemo has a simple vision that no one should be seriously injured in an accident where the correct work clothing could have prevented the accident or helped to reduce the consequences of it.

We strive to make workplaces safer by leading the development of new advanced Flame Retardant solutions.

We also help to provide the market with the best advice on how to protect against various workplace risks such as heat, flame, electric arc, molten metal, chemicals and the risk of explosion.

INNOVATIVE RELIABLE EXPERTS

TRANEMO

ADVANCED WORKWEAR

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