

ABOUT PROTECTIVE SET

WEAR ONLY THE BEST WHILE PERFORMING LIVE LINE BAREHAND WORK.

Electrostatics has developed the industry's finest barehand set, with state-of-the-art protective face mesh.

THE FABRIC SYSTEM CONSISTS OF THREE ELEMENTS:

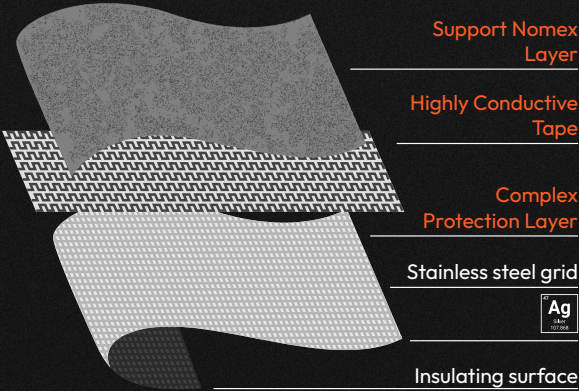
- A unique Double-Sided Conductive Fabric – the highest level of shielding factor (>50 dB), ATPV level of 11 cal/cm², isolation of its conductive side from the human body, oil and water repellent finishing.
- A highly conductive tape – 0.1 Ohm/m electric resistance.
- Nomex reinforcing pads – protection of the highly conductive tape from mechanical damage, additional mechanical strength of the elbows, knees and other parts of the suit that are highly subject to abrasion.



The whole Fabric System is resistant to human sweat and multiple washing. A face mesh protecting the face, eyes, and brain from harmful electric fields has been incorporated, like no other barehand suit.

THE ELECTROSTATICS DESIGN PROTECTS THE WORKER FROM:

- Harmful AC electric fields
- Electrical discharge during live work
- Current shock from induced currents and voltages
- Thermal protection from electric arc



Arc Thermal Performance Value (IEC 61482, ASTM F2621)

Conductive suit	11 cal/cm²
Conductive suit + Nomex upper suit*	22.4 cal/cm²
Conductive suit + winter lining + Nomex upper suit*	78 cal/cm²

FEATURES OF THE SET



*LAYER UP!



ACCESSORIES MIGHT BE ORDERED SEPARATELY



STYLE OTPTIONS

- Each of our garments are available in different versions
- Jacket + trousers / bib-and-brace
 - Coverall

ELECTROSTATICS

TESTED AND APPROVED BY



ELECTROSTATICS CONDUCTIVE SET

Protection against electromagnetic fields, induced voltage, electric arc.



IEC 60895:2020 - Class 2	IEC 61482
IEEE 1067	ASTM WK70226
	ASTM F2621

BAREHAND
CONDUCTIVE SET

THE FINEST CONDUCTIVE ARC-RESISTANT SET
FOR LIVE WORKING

USE THE SET DURING:

- Live Working (Barehand and Hot stick)

PROTECTION PHILOSOPHY:

- Faraday cage

PROTECTION AGAINST:

- High electric field
- Electric arc and flame, burn ignition

MAIN FEATURES

- Unique material – InteGREATed Protection
- Face mesh for complete protection
- Customized design and sizes
- Optionally, fully conductive boots instead of conductive socks.
- Insulated inside – can be worn directly on the skin without the need for additional undergarments.



Parameter	Value	
Shielding efficiency	> 50 dB	
Screening efficiency	> 60 dB	
Material resistance	< 1 Ohm/m²	
Suit resistance	< 5 Ohm	IEC 60895:2020 – Class 2
Bonding resistance	< 0.5 Ohm/m	IEC 61482
ATPV	11 cal/cm²	IEEE 1067
Washing cycles	up to 50 cycles	ASTM F2621 ASTM WK70226

AC INDUCTION
CONDUCTIVE SET

THE FIRST AC INDUCTION SET AGAINST
INDUCED CURRENT AND VOLTAGE

USE THE SET DURING DE-ENERGIZED WORK:

- Double-circuit power lines
- AC electrified railways
- Intersection of live high voltage lines

PROTECTION PHILOSOPHY:

- Current shunting (50 A – 30 sec)

PROTECTION AGAINST:

- Induced current and voltage
- Electric arc and flame, burn ignition

MAIN FEATURES

- First and only in the world
- Unique material – InteGREATed Protection
- Special structure – very low resistance
- Customized design and sizes
- Insulated inside – can be worn directly on the skin without the need for additional undergarments.



Parameter	Value	
Shielding efficiency	> 50 dB	
Maximum Body current	< 6 mA	
Material resistance	< 1 Ohm/m²	
Suit resistance	< 1 Ohm	
Bonding resistance	< 0.1 Ohm/m	
ATPV	11 cal/cm²	IEC 61482
Washing cycles	> 50 cycles	ASTM F2621 ASTM WK70226

COMBO
CONDUCTIVE SET

UNIQUE PROTECTION FOR DIFFERENT
WORKING METHODS (LIVE & DE-ENERGIZED)

USE THE SET DURING:

- Different application (live working and de-energized work)

PROTECTION PHILOSOPHY:

- Faraday cage that can shunt high currents (50 A – 30 sec)

PROTECTION AGAINST:

- All protections provided by the Barehand and AC Induction sets in one

MAIN FEATURES

- First and only in the world
- It combines the main features of Barehand and AC Induction sets
- Insulated inside – can be worn directly on the skin without the need for additional undergarments.



Parameter	Value	
Shielding efficiency	> 50 dB	
Screening efficiency	> 60 dB	
Maximum Body current	< 6 mA	
Material resistance	< 1 Ohm/m²	
Suit resistance	< 1 Ohm	IEC 60895:2020 – Class 2
Bonding resistance	< 0.1 Ohm/m	IEC 61482
ATPV	11 cal/cm²	IEEE 1067
Washing cycles	> 50 cycles	ASTM F2621 ASTM WK70226