

**Arc protective conductive clothing**



**Electrostatics-1**  
*inteGREATed protection*

- A conductive shielding jacket with a hood (a head cover) and a face mesh
- A conductive shielding bib-and-brace or trousers
- Conductive shielding gloves
- Conductive shielding boots or socks
- Two removable equipotential bonding leads with clamps or without
- ATPV level - 10 cal/cm<sup>2</sup>



**Electrostatics-2**  
*inteGREATed protection*

- A conductive shielding coverall with a hood (a head cover) and a face mesh
- Conductive shielding gloves
- Conductive shielding boots or socks
- Two removable equipotential bonding leads with clamps or without
- ATPV level - 10 cal/cm<sup>2</sup>

Winter Liners Available, Contact LineStar for More Info

**For More Information Please Contact LineStar Directly**

**Surrey Office**

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Unit #1 - 171 Ambassador Dr.  
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## FEATURES OF THE SET



**Equipotential bonding leads\* between jacket and gloves**



**Equipotential bonding leads\* between jacket and bib-and-brace or trousers**



**Equipotential bonding leads with clamps**



**Equipotential bonding leads\* between bib-and-brace (or trousers) and boots (or socks)**



**Equipotential bonding leads between conductive coverall and arc protective upper jacket**

## ACCESSORIES MIGHT BE ORDERED SEPARATELY



**Summer and winter conductive gloves and socks**



**Winter boots made of leather or felt, with fur or in-socks**



**Summer boots**

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The “Electrostatics-1” and “Electrostatics-2” conductive clothing are intended to be worn:

- during live working (especially bare-hand working) with AC and DC electrical installations, especially with live high voltage power lines;
- when working on discharged power lines under the electromagnetic influence of the operating AC electrical installations.

### Fabric system

- ✓ Nomex arc protective FR fabric with oil-and-water repellent treatment (for Electrostatics-2)
- ✓ Highly conductive band
- ✓ Conductive double-sided fabric

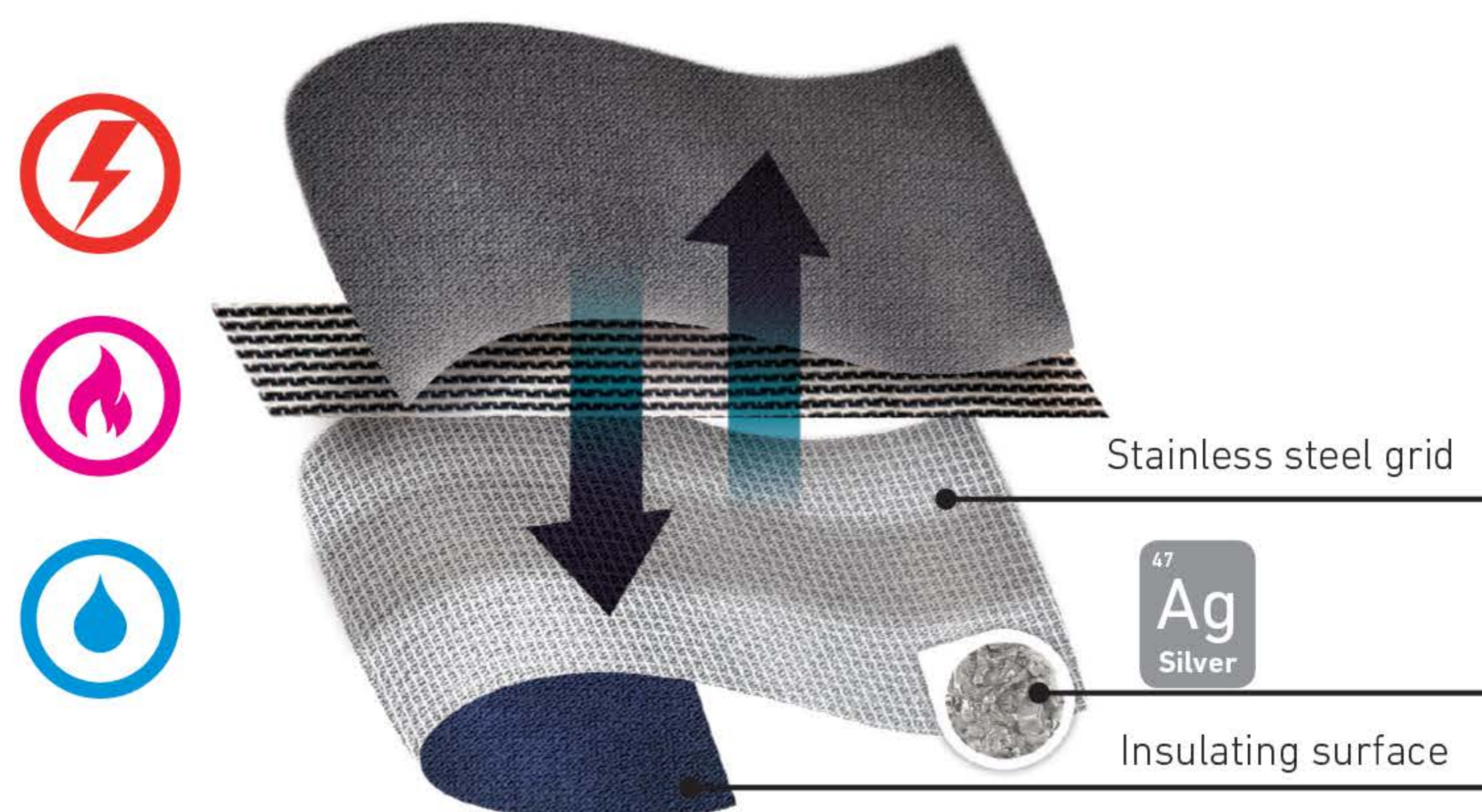
**Upper layer** provides additional protection against thermal hazards of an electric arc and ignition caused by spark discharge.

**Highly conductive band** has got electric resistance not more than 0,1  $\Omega$ /m and can shunt currents up to 35 A without any damage.

**Conductive double-side fabric** is a unique material which combines two inseparable surfaces: conductive (steel-silver) and insulating (meta aramid-FR viscose). Such a combination ensures maximum protective features and optimum level of comfort during work. Electric resistance of the conductive surface of the fabric is not more than 2  $\Omega$  per sqare.

### The set provides protection against:

- a harmful impact of the electric field of industrial frequency;
- electrical discharges while bare-hand working with live-parts;
- a harmful impact of air ions (including extra heavy air ions - aerosols);
- a current shock of an induced voltage;
- a thermal hazards of an electric arc.



**Electric resistance of the conductive garment, not more than 1  $\Omega$**   
IEC 60895:2002 + corrigendum 2003 modified

**Electric resistance of the conductive gloves and socks, not more than 30  $\Omega$**   
IEC 60895:2002 + corrigendum 2003 modified

**Electric resistance of the conductive shoes, not more than 10 k $\Omega$**   
IEC 60895:2002 + corrigendum 2003 modified

**Shielding factor at 50 Hz frequency, not less than 70 dB**  
IEC 60895:2002 + corrigendum 2003 modified

#### Arc Thermal Performance Value (IEC 61482)

Conductive garment	10 cal/cm <sup>2</sup>
Conductive garment + Nomex upper suit	22.4 cal/cm <sup>2</sup>
Conductive garment + winter lining + Nomex upper suit	78 cal/cm <sup>2</sup>
Nomex upper suit	8 cal/cm <sup>2</sup>
Nomex upper suit with winter lining	64 cal/cm <sup>2</sup>

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