



Protection clothes withstanding electrical arc

Code: 1051

The flame-resistant suit, class 2, resistant to the thermal effects of electric arcs, ensures:

- Protection through long-lasting flame-retardant effects, with no washing limitations
- Multifunctional protection for universal use
- Optimized for industrial washing (ISO 15797)
- Dyed threads, with no fabric discoloration
- Enhanced wearing comfort due to low weight
- Good moisture regulation, high breathability
- Reflective bands
- Pants with knee cushioning pads

The overall-type suit consists of two or three pieces: a jacket, bib pants, and trousers, featuring antistatic properties, inherent flame resistance, and resistance to liquid penetration.
Available sizes: 44÷64.

Technical characteristics	Value
Overall fabric	Outer layer: 55% modacrylic, 44% cotton, 1% others Inner layer: 50% modacrylic, 30% viscose, 15% cotton, 5% others
ATPV protection class (cal/cm²)	22
Electric arc protection WLBP (kJ)	318
Protection against molten metal and hot solids	Class 2, A1
Flame resistance	A1+A2, B1, C1, F1



IEC 61482-1-1



IEC 61482-1-2 EN 1149-3

EN ISO 11611 Clase 2-A1

EN ISO 11612 A1 B1 C1 F1

NFPA 70 E ASTM F1959

ATPV 22 cal/cm²

Conductive equipment for live works by the “in contact” method

Code: KV-GARD - conductive clothing set
SB P C - conductive boots

The conductive equipment for live works by the “contact” method is a personal protective equipment with conductive properties, which by the assembly of its components, represents a protective barrier from the electrical field.

It is recommended to use this equipment for any live works by the “contact” method, in power installations with nominal voltage rating of maximum 800 kV AC.

The equipment consists of a **conductive clothing set** (hooded overall and trousers), a pair of **conductive gloves**, a pair of **conductive socks** and a pair of **conductive shoes**.

In order to provide protection against the effects of the electrical field, all components of the equipment must be connected between them. The fabrics of the clothing set, gloves and socks are resistant against the flame propagation, and the conductive shoes have anti-puncture properties.

Technical characteristics	Value
Overall fabric	75% nomex + 25% stainless steel
Fabric tensile strength (N)	aprox. 200 in warp and aprox. 900 in weft
Fabric tearing strength (N)	aprox. 120 in warp and aprox. 90 in weft
Screening effect on the fabric (dB)	minimum 70
Electrical resistance on clothing set samples (Ω)	< 1
Puncture resistance (boots) (N)	1100, symbol P
Electrical resistance of shoes used together with conductive socks (kΩ)	20, symbol C



SR EN 60895