ELECTPRO® G1L ALX 250 - Coat and Trousers



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Where Maximum Safety Meets Comfort!

Introducing the ELECTPRO® ARC PROTECTIVE SUIT (G1L ALX 250), a high-performance garment designed to offer exceptional protection against electric arcs, heat, and flames. With high visibility and antistatic properties, this suit is engineered to safeguard the user's body and limbs from the adverse effects of electric arcs such as heat, light, pressure, and molten particles. Ideal for professionals working in demanding environments, this coat combines safety and comfort without compromise.

Key Features

- Heat and Flame Resistance: Offers effective protection against high temperatures and flames.
- Protection Against Electric Arcs: Shields your body from the thermal hazards of electric arcs.
- High Visibility: Ensures you're noticed in all conditions with yellow-gray-yellow flame-resistant reflective strips.
- Antistatic Feature: Prevents the buildup of static electricity, creating a safer working environment.
- Ergonomic Design: Provides comfortable movement with an ergonomic structure compliant with EN ISO 13688 standards.

Standards



CE



Category III



EN 1149-5:2018



EN 61482-2:2020 4kA (Class 1 - APC 1)



EN ISO 11611 A1+A2 Class 1



EN ISO 11612 A1,A2,B1,C1,E2,F1



EN ISO 13688:2013+EN ISO 13688:2013/A1:2021



EN 17353:2020+A1:2025 TYPE AB3

TECHNICAL DETAILS

Layered System

The suit consists of two parts: jacket and pants and it is single-layered.

Outer Layer: Utilizes a special blend of high-tech fibers including Teijinconex®, Lenzing™FR, PES, and **Beltron®**. These fibers provide superior heat and flame resistance, mechanical strength, and antistatic properties.

Design: Options available for Jacket and Pants / Coat and Pants.

Certifications and Standards

- CE Certification: Holds an EU Type Examination Certificate according to (EU) 2016/425 PPE Regulation and carries the CE mark.
- IEC 61482-2: Provides protection against electric arcs according to European standards.
- EN 61482-1-2: Arc protection level Class 1 (4kA).
- EN IEC 61482-1-1 Provides protection against electric arcs with an **ATPV value of 11cal/cm²**
- EN ISO 11612: Offers heat and flame protection with performance classes A1+A2 B1 C1 E2 F1
- EN ISO 11611: Offers heat and flame protection with performance classes A1+A2 Class 1

General Features

- Comfortable Fabric: Made with a thin and soft-touch fabric enriched with viscose, offering exceptional comfort during wear.
- High-Quality Fastenings: Equipped with flame-resistant black textile zippers (Velcro) and FR-type nylon tooth zippers.

- Durable Stitching: Stitched with 100% Aramid threads for enhanced durability and protection.
- Reflective Safety Strips: Features a single row of 5 cm flame-retardant reflective tape on the chest, back and arms (available in yellow-gray-yellow or red-gray-red) for increased visibility.
- Enhanced Protection: Front flap over the zipper prevents flame ingress, providing superior protection.
- Customizable Pockets: Comes with three pockets on the pants and three on the jacket/coat; the number of pockets can be adjusted according to your needs.
- Adjustable Cuffs: Sleeves are fitted with FR textile Velcro cuffs, allowing you to adjust the fit around your wrists for added comfort and safety.

Why Choose ELECTPRO® ARC PROTECTIVE SUIT (G1L ALX 250)?

The ELECTPRO® ARC PROTECTIVE SUIT (G1L ALX 250) is the ultimate solution for professionals who require maximum protection without sacrificing comfort. Crafted with advanced materials and cutting-edge technology, this coat offers unparalleled defense against multiple hazards:

- Multi-Hazard Protection: Simultaneously guards against electric arcs, heat, flames, and static electricity.
- Enhanced Comfort: The four-layer system provides thermal insulation while remaining breathable, allowing for extended wear in various conditions.
- High Visibility: Designed for low-visibility, medium-risk situations, ensuring that you are seen and safe at all times.
- Durability: High-quality construction and materials ensure long-lasting performance even in the most demanding environments.Applications:
- Electrical distribution and transmission lines
- Industrial facilities
- Emergency response teams
- High-risk work environments

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- Industrial facilities
- Emergency response teams
- Mining and petrochemical industries
- High-risk work environments requiring enhanced visibility

For Orders and Information:

Your safety is paramount, so selecting the correct size and using appropriate accessories is essential. For detailed information and to place an order, please contact us.

Stay Safe and Comfortable with ELECTPRO®!

ELECTPRO BODY SIZES					
SIZE	PERSON LENGHT (CM)	PERSON CHEST SIZE(CM)	PERSON WAIST SIZE (CM)	JACKET LENGHT (CM)	JACKET LENGHT FOR ARC SUIT (CM)
S 46/48	164-170	88-96	76-84	83	93
M 50/52	170-176	96-104	84-92	83	93
L 54/56	176-182	104-112	92-100	85	95
XL 58/60	182-188	112-120	100-108	85	95
XXL 62/64	188-192	120-128	108-116	87	97
TOLERANS ± % 2					

- Teijinconex® and Twaron® are registered trademarks of Teijin Aramid B.V.
- Lenzing™FR is a registered trademark of Lenzing AG.
- Belltron® is a registered trademark of Swicofil AG.
- There may be differences between the colors and designs presented on the website and the original products.
- All information provided on the ist.com.tr website is subject to change without prior notice.