



**KAPTURE**<sup>™</sup> ELEMENT  
LV4 II ENERGY ABSORBING LANYARD  
ELECTWORX

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USER INSTRUCTION MANUAL  
DIELECTRIC ENERGY  
ABSORBING LANYARD

THESE INSTRUCTIONS APPLY TO THE FOLLOWING MODELS:

AFL401765 and AFL401865

CE 0598

EN 355:2002

Please read and understand the manufacturer's instructions for each component or part of the complete system. Manufacturer's instructions must be followed for proper use, care, and maintenance of this product. These instructions must be retained and be kept available for the user's reference at all times. Alterations or misuse of this product, or failure to follow instructions, may result in serious injury or death.

**Note:** The user is advised to keep this user instructions document for the life of the product.

- INTRODUCTION:** The Energy Absorbing Lanyards are classed as Personal Protective Equipment (PPE) by the European PPE Regulation (EU) 2016/425 and have been shown to comply with this Regulation through the Harmonized European Standard EN 355:2002 and VG11/RFU.
- CAREFULLY READ THESE INSTRUCTIONS BEFORE USING THESE LANYARDS:** These Lanyards are designed to minimize the risk of/provide protection against the danger of falling from heights. However, always remember that no item of PPE can provide full protection and care must always be taken while carrying out the risk related activity.

PRODUCT CODE	CATEGORY	PRODUCT DESCRIPTION	MAX. RATED LOAD
AFL401765	Element	Energy Absorbing Single leg Dielectric lanyard	140kg
AFL401865	Element	Energy Absorbing Double leg Dielectric lanyard	140kg

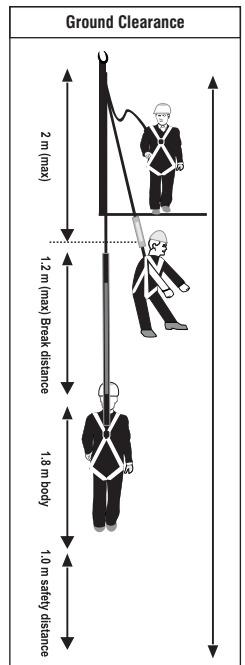
- PERFORMANCE AND LIMITATIONS OF USE:** The lanyards have been tested in accordance with EN 355:2002 & have achieved following performance levels:

EN 355:2002 test	Result/Comment
Clause 4.1 Design and Ergonomics	Achieves required performance requirement
Clause 4.3 Static preloading	Achieves required performance requirement
Clause 4.4 Dynamic performance	Achieves required performance requirement
Clause 4.5 Static strength	Achieves required performance requirement

- POSSIBLE USAGE:** The ElectworX Lanyards has been specially designed for workers operating in conditions where there are possible electrical hazards. These lanyards when used as a component of a fall arrest system guarantees the full ability for the safe arresting of a fall from a height by reducing the Breaking Force measured at the anchorage point or the anchorage line to less than 6.0 kN. It can be used in conjunction with a full body harness.

**Important Notice:**

- Total length of a sub system with a lanyard including an energy absorber, terminations and connectors shall not exceed 2m.
  - The strength of the anchor device should be greater than 18KN (for Textile) & 12KN (for Metal) and the anchor point should be situated above the user's head.
  - Connect the lanyard to the anchorage point using the connector provided at one end. (If connector not provided, use Karabiners complying to EN 362:2004). The other end on the side of the energy absorber should be connected to the attachment element of the full body harness.
  - To optimize protection, in some instances it may be necessary to use the lanyard with suitable other components. In this case before carrying out the risk related activity, consult your supplier to ensure that all components are compatible and suitable for your application.
  - The arrest distance should be double the total length of the lanyard plus 1.75m break distance to allow tearing of the webbing inside.
- MATERIAL USED:** Electworx Energy Absorbing lanyard is made with 30mm wide polyester webbing.
    - Since all lanyards are made of polymers, the performance of which gets affected by temperatures, effect of sharp edges, electrical conductivity, chemical reagents, cutting, abrasion, UV degradation etc, it is advised to consult your supplier for use in above extreme conditions.
    - The D-Rings and Fittings have a special polymer coating which makes it completely electrically insulated.
  - ANCHORAGE INSTRUCTION:** The strength of the anchor device should be greater than 18kN (for Textile) & 12kN (for Metal).



**7. INSTRUCTIONS FOR MAINTENANCE:**

- **Cleaning Procedure:** In case of minor soiling, wipe the lanyard with cotton cloth or a soft brush. Do not use any abrasive material. For intensive cleaning wash the lanyard in water at a temperature not more than 40°C using a neutral detergent (pH7). Do not use acid or basic detergents.
- **Drying Procedure:** If the lanyard becomes wet, either from by in use or when due to cleaning, it should be allowed to dry naturally and shall be kept away from direct heat.
- **Storage Procedure:** When not in use, store the lanyard in a well-ventilated area away from extremes of temperature. Never place heavy items on top of it. If possible, avoid excessive folding and preferably store it hanging vertically. If the product is wet, allow it to dry fully before placing it into storage.
- It is preferred that the product be transported in its original packing. However if not available, it may be stored in an air tight bag & transported.

**8. INSTRUCTIONS FOR REPAIR:** If the product becomes damaged, it will NOT provide the optimum level of protection, and therefore it should be immediately removed from service. Never use the damaged product. Repairing is permitted, provided that it is either done by the manufacturer or a competent repair centre or individual approved by the manufacturer.**9. HOW TO DISPOSE A LANYARD:** When the lanyard becomes unfit or in case of any wear and tear, dispose the lanyard immediately.**Follow the steps for Disposal:**

- Segregate the equipment in three different crates for placing components in them respectively as- Textile, Metal and Plastic.
- Spread the lanyard on a table / flat surface.
- Inspect the wear & tear present on the lanyard.
- Now, using a sharp pair of scissors first cut the Textile and dismantle the lanyard.
- Now remove the metal & plastic components separately from the lanyard.
- Put the Textile, Plastic & Metal components in their respective plastic crates.

**10. WARNING:**

- It is essential to verify that the medical condition of the user is fit to use the lanyards in normal & emergency use.
- Do not make any alterations or additions to the equipment without the manufacturer's prior written consent and that any repair shall only be carried out in accordance with the manufacturer's procedures.
- While using the lanyard, ensure that the fall is not more than 2m i.e. the distance between the anchor point & the final position of the user after the fall has occurred.
- Lanyard should be the personal property of its user.
- It is important to check before use any dangers that may arise by the use of combinations of items of the equipment in which the safe function of any one item is affected by or interferes with the safe function of another.
- Carry out a pre-use check of the lanyard, to ensure that it is in a serviceable condition & operates correctly before it is used.
- Inspect all the rope or webbing of lanyard for cuts/abrasion marks. Also check all connectors of the lanyard for proper mechanical functioning & effects of corrosion or mechanical deformation if any on parts of the connectors in the lanyard.
- Withdraw from use any lanyard for which any doubt arises about its condition for safe use or in the event, a fall has been arrested by it.
- If the lanyard is used in a fall arrest system, it is advisable to connect only to the dorsal attachment D-Ring of the harness.
- If lanyard is used in fall arrest system, it is essential for safety that the anchor device or anchor point is always positioned, and the work carried out in such a way, as to minimize both the potential for falls and potential fall distance. Ensure that the anchor point is above the user's head.
- Only a full body harness complying to EN 361:2002 shall be used as a body holding device within the fall arrest system.
- If used within fall arrest systems, it is essential to verify the free space required beneath the user at the work place before each occasion of use, so that, in the case of a fall, there will be no collision with the ground or other obstacles in the fall path.
- If the product is resold outside the original country of destination, the reseller shall provide instructions for use, for maintenance, for periodic examination and for repair in the language of the country in which the product is to be used.
- Ensure the Medical condition of the user does not affect his safety in normal and emergency use.
- A rescue plan shall be in place to deal with any emergencies that could arise during the work.
- It is essential for the safety of the user that if a product is re-sold outside the original country of destination the reseller shall provide instructions for use for maintenance, for periodic examination and for repair in the language of the country in which the product is sold.

- The equipment shall not be used outside its limitation, or for any purpose other than that for which it is intended.
- The device should be used with appropriate combinations only. The user should not make any combination which compromises safe function of any other devices used in combination or entire fall protection system or rescue system.
- Ensure before & during use that a rescue plan is in place to rescue the user after a fall has occurred.
- The lanyards should only be used by a trained and/or otherwise competent person or the user should be under the direct supervision of such a person.

**11. PERIODIC EXAMINATION:**

- The lanyards need to be periodically examined because the safety of the user depends upon the continued efficiency & durability of the lanyard.
- It is important to examine it at least once in every 12 months.
- Periodic examination is to be conducted by a competent person and strictly in accordance with the manufacturer's periodic examination procedures.
- Periodic examination also requires checking the legibility of the product markings.

**12. MARKING ON PRODUCT:** The Energy Absorbing Lanyards are marked with:

- The CE mark showing that the product meets the requirement of the European PPE Regulation (EU) 2016/425
- Identification of the manufacturer
- Type or product code
- Month & Year of Manufacture
- UID for Traceability
- Number of the standard
- Material
- Length

**MARKING**

(ii) **KSTRONG®**  
UNRIVALED SAFETY.  
ELECTWORX  
ENERGY ABSORBING  
WEBBING LANYARD

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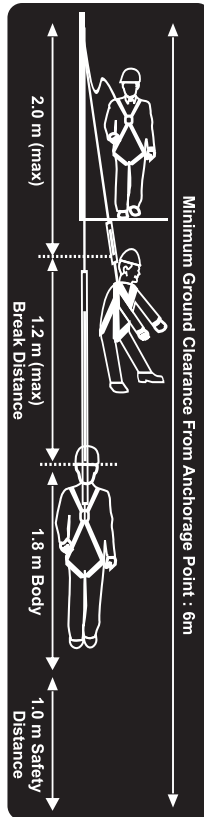
Model : AFL401765 (iii)  
DOM : MM/YYYY (iv)  
Material : Polyester (vii)  
Length : 2.0 m (viii)  
UID : XXXXXXXXXXXX (v)

(i) **CE 0598**  
EN 355:2002 (vi)

**140 kg**  
Max. Rated Load  
(including all tools)

**QR CODE**

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KStrong.com Made In India









**Certification Body :**

SATRA Technology Europe Ltd, Bracetown Business Park, Clonee, Dublin D15 YN2P Ireland (Notified Body 2777)

**Ongoing Assessment Body:**

SGS Fimko Oy, Takomotie 8, FI-00380 Helsinki, Finland (Notified Body 0598)

For EU Declaration, please visit <https://kstrong.com/asia/eu-declaration-form/>



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