



Product Name: Cable LE Lanyard

Part #: 12444; 12445; 12446; 12447

Instruction Manual

Do not throw away these instructions!
Read and understand these instructions before using equipment!

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Introduction

Thank you for purchasing a Guardian Fall Protection Cable LE Lanyard. This manual must be read and understood in its entirety, and used as part of an employee training program as required by OSHA or any applicable state agency.

This and any other included instructions must be made available to the user of the equipment. The user must understand how to safely and effectively use the Cable LE Lanyard, and all fall safety equipment used in combination with the Cable LE Lanyard.

User Information	
Date of First Use:	_____
Serial #:	_____
Trainer:	_____
User:	_____

Applicable Safety Standards

When used according to instruction specifications**, this product meets or exceeds all applicable OSHA 1926.502, OSHA 1910.140, ANSI Z359.13-2013, and ANSI A10.32-2012 standards for fall protection. Applicable standards and regulations depend on the type of work being done, and also might include state-specific regulations. Consult regulatory agencies for more information on personal fall arrest systems and associated components.

****IMPORTANT:** The use of the Cable LE Lanyard in leading edge applications has been verified by testing over a .005" radius steel edge by Guardian Fall Protection only - not included in ANSI or OSHA standards for lanyards. Refer to table on pg. 2 for weight capacity and free fall for both LE and non-LE work.

Worker Classifications



Understand the following definitions of those who work near or who may be exposed to fall hazards.

Qualified Person: A person with an accredited degree or certification, and with extensive experience or sufficient professional standing, who is considered proficient in planning and reviewing the conformity of fall protection and rescue systems.

Competent Person: A highly trained and experienced person who is ASSIGNED BY THE EMPLOYER to be responsible for all elements of a fall safety program, including, but not limited to, its regulation, management, and application. A person who is proficient in identifying existing and predictable fall hazards, and who has the authority to stop work in order to eliminate hazards.

Authorized Person: A person who is assigned by their employer to work around or be subject to potential or existing fall hazards.

It is the responsibility of a Qualified or Competent person to supervise the job site and ensure all applicable safety regulations are complied with.

Product Specific Applications



WARNING Use of equipment in unintended applications may result in serious injury or death. Maximum 1 attachment per connection point.



Personal Fall Arrest: Cable LE

Lanyard may be used to support a MAXIMUM 1 Personal Fall Arrest System (PFAS) for use in Fall Arrest applications. Structure must withstand loads applied in the directions permitted by the system of at least 5,000 lbs. **Refer to table for permitted weight capacity and free fall for both LE and non-LE work.**

*Worker weight capacity range includes all clothing, tools, and equipment.	130-310 lbs.	130-420 lbs.
6' Free Fall, Leading Edge	●	
12' Free Fall, Leading Edge	●	
6' Free Fall, Non-Leading Edge		●
12' Free Fall, Non-Leading Edge	●	



WARNING It is prohibited to use any type of extension in combination with this product. The shock absorbing component must always be connected directly to the harness dorsal D-ring.



Restraint: Cable LE Lanyard may be used in Restraint applications. Restraint systems prevent workers from reaching the leading edge of a fall hazard. Always account for fully deployed length of lanyard/SRL. Structure must withstand loads applied in the directions permitted by the system of at least 1,000 lbs. No free fall is permitted. Restraint systems may only be used on surfaces with slopes up to 4/12 (vertical/horizontal). Applicable D-rings: Dorsal, Chest, & Side (pairs only).

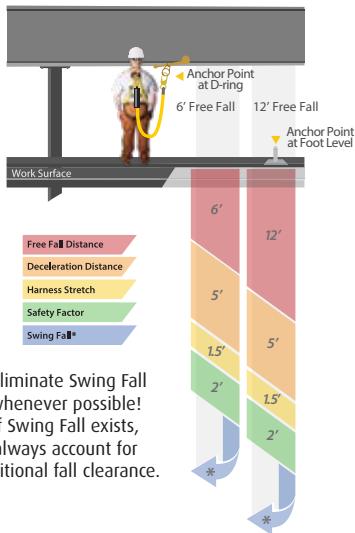
Limitations

Fall Clearance: There must be sufficient clearance below the anchorage connector to arrest a fall before the user strikes the ground or an obstruction. When calculating fall clearance, account for a MINIMUM 2' safety factor, deceleration distance, user height, length of lanyard/SRL, harness stretch and all other applicable factors.

Diagram shown is an example fall clearance calculation ONLY.

Swing Falls: Prior to installation or use, make considerations for eliminating or minimizing all swing fall hazards. Swing falls occur when the anchor is not directly above the location where a fall occurs. Always work as close to in line with the anchor point as possible. Swing falls significantly increase the likelihood of serious injury or death in the event of a fall.

Fall clearance calculation shown based on standing worker falling directly in-line with anchor point. Always consider potential swing fall and other hazards when calculating fall clearance.



*Eliminate Swing Fall whenever possible! If Swing Fall exists, always account for additional fall clearance.

Compatibility: When making connections with Cable LE Lanyard, eliminate all possibility of roll-out. Roll-out occurs when interference between a hook and the attachment point causes the hook gate to unintentionally open and release. All connections must be selected and deemed compatible with Cable LE Lanyard by a Competent Person. All connector gates must be self-closing and self-locking, and withstand minimum loads of 3,600 lbs. See the following for examples of compatible/incompatible connections:

Connector closed and locked to D-ring. **OK.**



Connector to integral lanyard. **NO.**

Two connectors to same D-ring. **NO.**



Connector directly to webbing. **NO.**

Incompatible or irregular application, which may increase risk of roll-out. **NO.**



Connector directly to horizontal lifeline. **NO.**

Two or more snap hooks or carabiners connected to each other. **NO.**



Components and Specifications

Materials: polyester, nylon, and galvanized steel.

Part #	Size	Description
12444	6'	Cable LE Lanyard: Single Leg Vinyl Coated Cable w/Steel Snap Hook
12445	6'	Cable LE Lanyard: Single Leg Vinyl Coated Cable w/Steel Rebar Hook
12446	6'	Cable LE Lanyard: Double Leg Vinyl Coated Cable w/Steel Snap Hooks
12447	6'	Cable LE Lanyard: Double Leg Vinyl Coated Cable w/Steel Rebar Hooks

Installation and Use



Do not remove shrink tube around shock absorber.

1. Prior to use, inspect Cable LE Lanyard and all PFAS equipment to be used in combination with Cable LE Lanyard.
2. Ensure that all connectors and all other components of the PFAS are compatible with Cable LE Lanyard, and are selected by a Competent Person. The selected full-body safety harness MUST be of proper size, and MUST be fitted snugly, but still allow for a full range of movement.
3. Make considerations for eliminating or minimizing swinging fall hazards.
4. Ensure structure to which the anchorage connector is attached is capable of withstanding a MINIMUM load required by the application in which the Cable LE Lanyard is to be used.
5. Attach lanyard snap hook to compatible harness D-ring. For lanyard with two, integrally connected legs, only attach central snap hook with the shock absorber end to the applicable harness D-ring.
6. Attach remaining snap hook end of lanyard to compatible anchorage connector. Rebar Hooks MUST ONLY be connected to structural rebar or other compatibly sized structural anchor. Ensure that all connectors are self-closing and self-locking, and that there is no risk of roll-out. ALWAYS maintain 100% tie-off.

Cable LE Lanyard Additional Use Instructions:



ALWAYS adhere to the following warnings and specifications when using Cable LE Lanyards.

Cable LE Lanyards are tested and verified for horizontal use over a steel edge without burrs, and may be used over similar surfaces, such as metal sheeting or other steel formations.

The allowable angle of redirection of the lifeline portion of Cable LE Lanyards at the leading edge of a fall hazard MUST be at least 90° (see Image 1). Anchor point MUST be situated no lower than the leading edge of applicable fall hazard(s).

Prior to use, a Competent Person MUST calculate adequate fall clearance (see pg. 2).

ALWAYS attach to anchorage connector that will allow for required setback distance (see Image 2).

Setback distance: As determined by product testing, Guardian Fall Protection Cable LE Lanyards are not required to be setback any specific distance from the leading edge of applicable fall hazard(s).

Cable LE Lanyards may be used in combination with horizontal lifelines. All installation, set-up, and use of horizontal lifelines must be done under the supervision of a Qualified Person.

NEVER work on the far side of an opening that is opposite the Cable LE Lanyard's anchorage point.

In the event of a fall over the edge, special rescue measures may be necessary. Always account for use of Cable LE Lanyards in job site rescue plan developed by jobsite Competent Person.

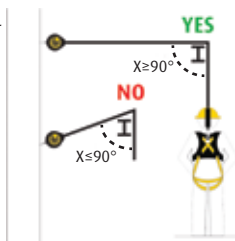


Image 1

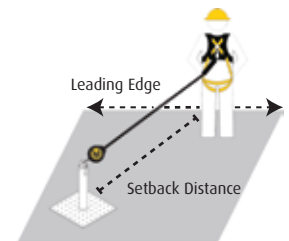


Image 2



Maintenance, Cleaning, and Storage

If Cable LE Lanyard fails inspection in any way, immediately remove it from service, and contact Guardian to inquire about its return or repair.

Cleaning after use is important for maintaining the safety and longevity of Cable LE Lanyard. Remove all dirt, corrosives, and contaminants from Cable LE Lanyard before and after each use. If Cable LE Lanyard cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean Cable LE Lanyard with corrosive substances.

When not in use, store equipment where it will not be affected by heat, light, excessive moisture, chemicals, or other degrading elements.

Inspection

Prior to EACH use, inspect Cable LE Lanyard for deficiencies, including, but not limited to, corrosion, deformation, pits, burrs, rough surfaces, sharp edges, cracking, rust, paint buildup, excessive heating, alteration, and missing or illegible labels. IMMEDIATELY remove Cable LE Lanyard from service if defects or damage are found, or if exposed to forces of fall arrest.

Ensure that applicable work area is free of all damage, including, but not limited to, debris, rot, rust, decay, cracking, and hazardous materials. Ensure that selected work area will support the application-specific minimum loads set forth in this instruction manual. Work area MUST be stable.

At least every 12 months, a Competent Person other than the user must inspect Cable LE Lanyard. **Competent Person inspections MUST be recorded in inspection log in instruction manual and on equipment inspection grid label. The Competent Person must sign their initials in the box corresponding to the month and year the inspection took place.**

During inspection, consider all applications and hazards Cable LE Lanyard may have been subjected to.

Inspection Log

Date of First Use: _____.

Product lifetime is indefinite as long as it passes pre-use and Competent Person inspections. User must inspect prior to EACH use. Competent Person other than user must complete formal inspection at least every 12 months. Competent Person to inspect and initial.

This inspection log must be specific to one Cable LE Lanyard. Separate inspection logs must be used for each Cable LE Lanyard. All inspection records must be made visible and available to all users at all times.

	J	F	M	A	M	J	J	A	S	O	N	D
YR												
YR												
YR												
YR												
YR												

If equipment fails inspection IMMEDIATELY REMOVE FROM SERVICE.

Safety Information



Failure to understand and comply with safety regulations may result in serious injury or death. Regulations included herein are not all-inclusive, are for reference only, and are not intended to replace a Competent Person's judgment or knowledge of federal or state standards.

Do not alter equipment. Do not misuse equipment.

Workplace conditions, including, but not limited to, flame, corrosive chemicals, electrical shock, sharp objects, machinery, abrasive substances, weather conditions, and uneven surfaces, must be assessed by a Competent Person before fall protection equipment is selected.

The analysis of the workplace must anticipate where workers will be performing their duties, the routes they will take to reach their work, and the potential and existing fall hazards they may be exposed to. Fall protection equipment must be chosen by a Competent Person. Selections must account for all potential hazardous workplace conditions. All fall protection equipment should be purchased new and in an unused condition.

Fall protection systems must be selected and installed under the supervision of a Competent Person, and used in a compliant manner. Fall protection systems must be designed in a manner compliant with all federal, state, and safety regulations. Forces applied to anchors must be calculated by a Competent Person.

Unless explicitly stated otherwise, the maximum allowable free fall distance for lanyards must not exceed 6'. No free fall allowed for non-LE SRLs. Class A SRLs must arrest falls within 24"; Class B SRLs must arrest falls within 54".

Harnesses and connectors selected must be compliant with manufacturer's instructions, and must be of compatible size and configuration. Snap hooks, carabiners, and other connectors must be selected and applied in a compatible fashion. All risk of disengagement must be eliminated. All snap hooks and carabiners must be self-locking and self-closing, and must never be connected to each other.

A pre-planned rescue procedure in the case of a fall is required. The rescue plan must be project-specific. The rescue plan must allow for employees to rescue themselves, or provide an alternative means for their prompt rescue. Store rescue equipment in an easily accessible and clearly marked area.

Training of Authorized Persons to correctly erect, disassemble, inspect, maintain, store, and use equipment must be provided by a Competent Person. Training must include the ability to recognize fall hazards, minimize the likelihood of fall hazards, and the correct use of personal fall arrest systems.

NEVER use fall protection equipment of any kind to hang, lift, support, or hoist tools or equipment, unless explicitly certified for such use.

Equipment subjected to forces of fall arrest must immediately be removed from use.

Age, fitness, and health conditions can seriously affect the worker should a fall occur. Consult a doctor if there is any reason to doubt a user's ability to withstand and safely absorb fall arrest forces or perform set-up of equipment. Pregnant women and minors must not use this equipment.

Physical harm may still occur even if fall safety equipment functions correctly. Sustained post-fall suspension may result in serious injury or death. Use trauma relief straps to reduce the effects of suspension trauma.

Labels

Cable LE Lanyard

Attach shock absorber end to fall arrest D-ring on harness

Compliant with all applicable ANSI Z359.13-13, ANSI A10.32-12, OSHA 1910 and OSHA 1926 Subpart M regulations.

CAPACITY (Including Tools)
NON-LEADING EDGE:
 130-310 lbs. up to 12' free fall.
 311-420 lbs. up to 6' free fall.

LEADING EDGE*
 130-310 lbs. up to 12' free fall.
 *Leading edge use verified on .005" radius steel edge by Guardian only - not included in ANSI or OSHA standards.

MAX ELONGATION: 60"

MATERIALS: Polyester, nylon & galvanized steel

Do not remove shock pack cover during use.

DO NOT REMOVE LABELS

	Y	R	J	F	M	A	M	J	J	A	S	O	N	D

User must inspect before each use.

Competent Person to inspect and initial at least every 12 months.

Date of First Use

Product lifetime is indefinite, as long as product passes all inspection requirements.

WARNING!

Follow manufacturer's instructions provided with this lanyard at time of shipment from manufacturer. Fully read and understand these instructions before using.

Improper use of this product could result in serious injury or death. Avoid contact with sharp edges and abrasive surfaces that can cut or damage the webbing or components.

Make only safe and compatible connections.

For use only with other OSHA and ANSI compliant equipment as part of a personal fall arrest system.

Remove this lanyard from service if a fall has occurred.

91102 (Rev. A)

PART NUMBER:
 NUMERO DE MODELO/NUMERO DE MODELO

SERIAL NUMBER:
 NUMERO DE SERIE/NUMERO DE SERIE

DATE OF MANUFACTURE:
 FECHA DE FABRICACION/DATE DE FABRICATION

SIZE OR LENGTH:
 TAMAÑO LONGITUD/GRANDEUR LONGUEUR

90896
(REV. B)

Warning: User Capacity Range 130-310 lbs.

12ft. 1,350lbs.

Maximum Free Fall
Average Arresting Force

Maximum Deployment Distance 60"

Forces may increase when cold and/or wet

Read Instructions Before Use