



**EC20001**

**50M Catenary Wire Kit**



**User Manual**

**Please Retain for  
Future Use**

# Eagle Catenary Wire Kit – 50m

**Breaking Strain: 480 lbs (approx. 217 kg)**

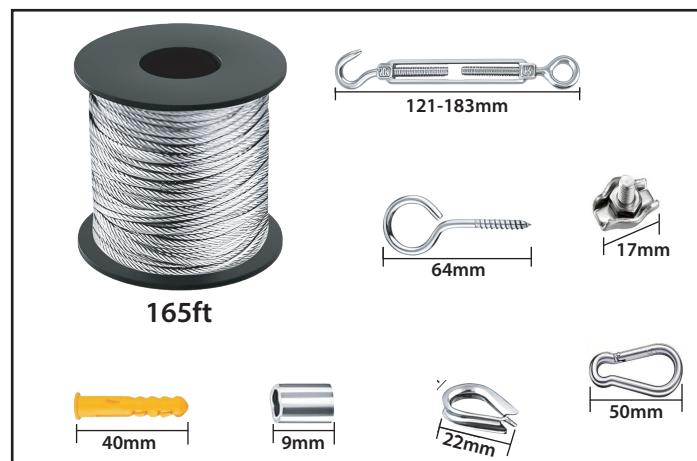
**Material: Stainless Steel**

**Intended Use: Garden Plant Training, Lighting**

**String Suspension (Domestic Use Only)**

## Kit Contents

- 50m Stainless Steel Catenary Wire (1x)
- Turnbuckles (5x)
- M5 Large Screw Eye Hooks (10x)
- Plastic Wall Anchor (10x)
- Wire Thimbles (10x)
- Aluminium Crimping Loops (30x)
- Wire Rope Clamp (10x)
- Carabiner Hook (4x)



## Safety & Usage Guidelines

- For domestic use only.
- Not for load-bearing use — do not hang heavy objects or use for lifting.
- Must be installed by a competent person.
- Perform a site survey before installation to ensure suitability.
- Use appropriate fixings depending on the mounting surface (e.g., wood, masonry).
- Do not install where people may trip over or walk into the wire.
- Ensure the product cannot become a strangulation hazard (especially for children or pets).
- Additional accessories and tools (e.g., drill, tape measure, pliers or crimping tool) may be required.

## Installation Overview

### 1. Site Preparation

- Measure the span and identify secure fixing points (e.g., walls, posts).
- Ensure fixing points are structurally sound and can handle wire tension.
- Avoid walkways or areas where the wire may cause obstruction.

### 2. Fixing Anchors

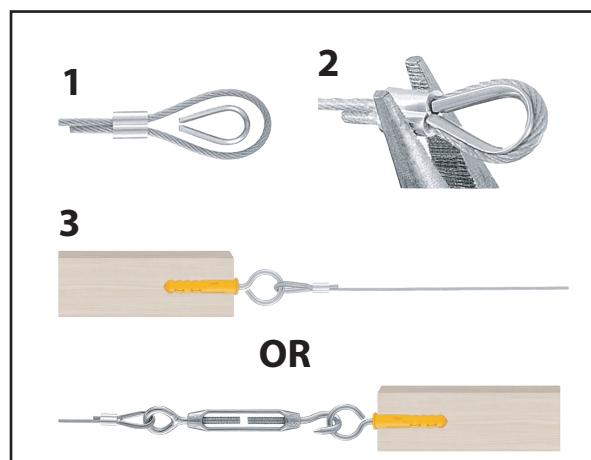
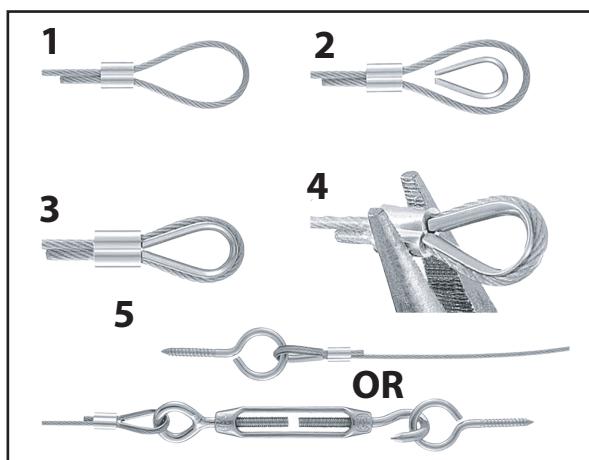
- Drill suitable holes for the Plastic Expansion Plugs (if mounting into masonry or brick).
- Insert plugs and attach your chosen fixing (e.g., eye bolts, hooks — not included).

### 3. Fitting the Wire

- Cut wire to the required length (leave a little extra for connections and tensioning).
- Loop the wire around a Wire Thimble to prevent sharp bends and wear.
- Secure the loop using an Aluminium Crimping Loop.
- Thread wire through one end of the crimp, around the thimble, and back through the crimp.
- Use pliers or a crimping tool to compress the crimp securely.

### 4. Tensioning with Turnbuckles

- Install Turnbuckles at key locations (typically at both ends or midway for long spans).
- Attach wire loops to each end of the turnbuckle using thimbles and crimps as described.
- Once in place, rotate the turnbuckle to tighten and tension the wire.



## Common Applications

**Garden plant training (vines, espalier, etc.)**

**Suspension of festoon or string lighting**

**Guiding wires for climbing plants or decorative use**

## Additional Tools Required

- **Pliers or a crimping tool**
- **Wire cutters**
- **Drill and fixings appropriate to surface**

## Product Details

**Brand: Eagle**

**Supplied by:**

**Electrovision Ltd**

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## Maintenance Tips

- **Inspect periodically for signs of wear, corrosion, or loosened fittings.**
- **Do not overload — the maximum breaking strain is 480 lbs (217 kg).**
- **Retention if sagging occurs over time.**

**[www.Electrovision.co.uk](http://www.Electrovision.co.uk)**



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