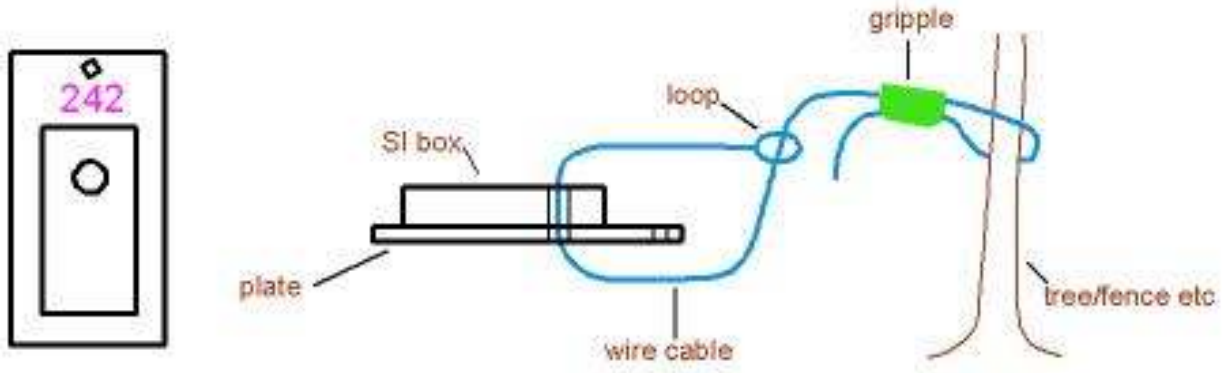
GRIPPLES

The club has invested a large amount of money in the SI equipment we use for our events. With the cost of SI equipment being so high, a lost SI box runs at over £100, it is essential that we are as security conscious as possible when setting out the equipment.
The Schools League events are often run in areas that have open access to the public, such as local parks, and because of this a system for securing SI boxes at vulnerable sites has been developed.
This system uses Gripples and lengths of 3mm thin flexible wire. A Gripple is a small metal device that locks the wire in place and they are used in industry for securing overhead fixings at adjustable heights. The Gripple is used instead of the old padlock method with its plethora of keys.

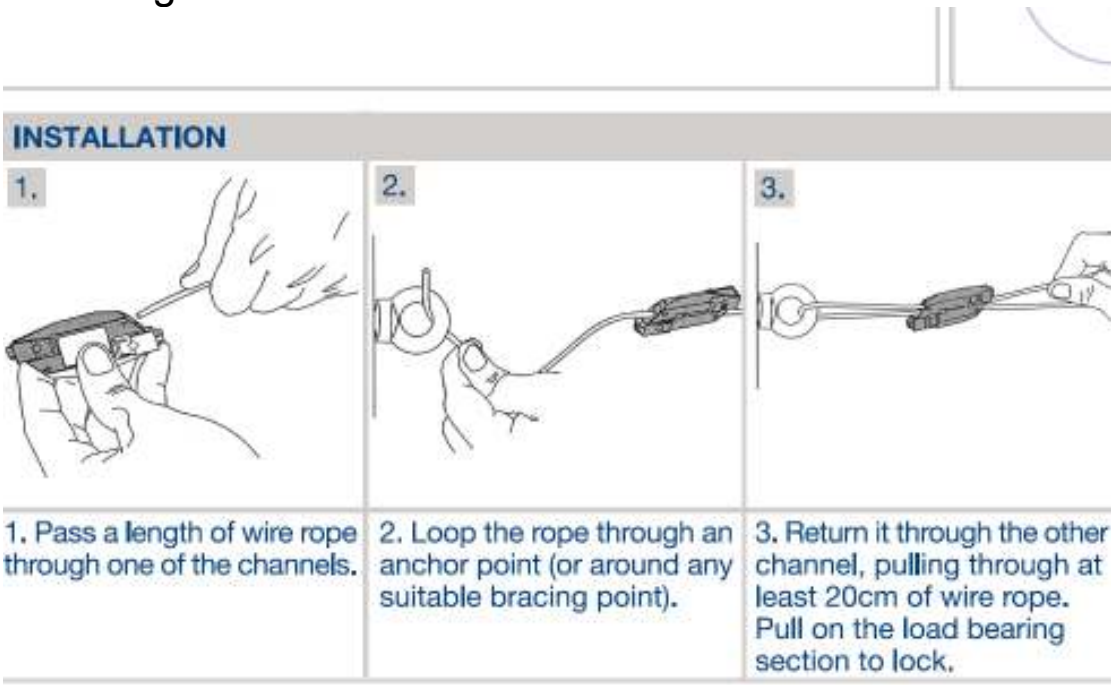
How to secure SI boxes.

SI boxes that are placed at sites that could be vulnerable to interference by the general public need to be secured. These sites could be on paths, street areas, close to car parks or any place there is a lot of public access. The club has lost boxes at Delamere and Thurstaston in isolated areas!
There are enough wires and Gripples for over 40 boxes and more can be made up if required (contact Norman Hall). The wires are approximately 2m in length, but longer ones are available if a suitable attachment point is not close enough. Planners need to now take into account the availability of a secure fixing point when choosing control sites.
Once the SI box is placed on the base plate with the elastic band, line up the dibber hole with the hole in the base plate.
The wire is passed through the holes in both the SI box and the numbered base plate (The hole used in the Si box is the one you put a dibber in but the wire is thin enough to allow the dibber to be used). The open end of the wire then passes through the loop at the other end and is pulled through. The open end then passes through the

Gripple, then around the securing point and back through the Gripple.
See general diagram below:



How the wire goes through the Gripple is shown on the next diagram:



The wire will only move one way through the Gripple, the internal cams prevent the wire from being pulled out.
To remove the wire an Adjustment Key is used to release the locking cam in the Gripple. The key is pushed firmly into the small hole below the hole the wire enters and this releases the cam allowing the wire to be pulled out. See below:

The following video will give additional information on using a Gripple.

http://www.gripple.com/gallery/animation-gripple-hanger.html