

## Plant Propagation

Due to easy installation and low running costs, heating cables are used to aid the growth of plants. Plants grown with warm soil are healthier and produce a better yield, it is possible to speed up the vegetation and production of yield. Greenhouses that are heated this way can be used till late autumn.

### Basic application of heating cables in propagation:

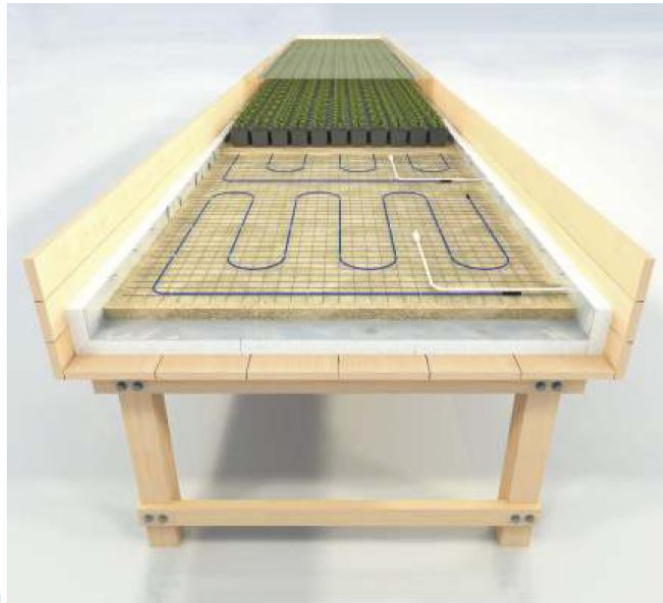
1. To heat plant beds for seedlings:
  - for fruit growing
  - for flowers
2. For vegetable growing, to speed up growth

### Installing Heating Cables

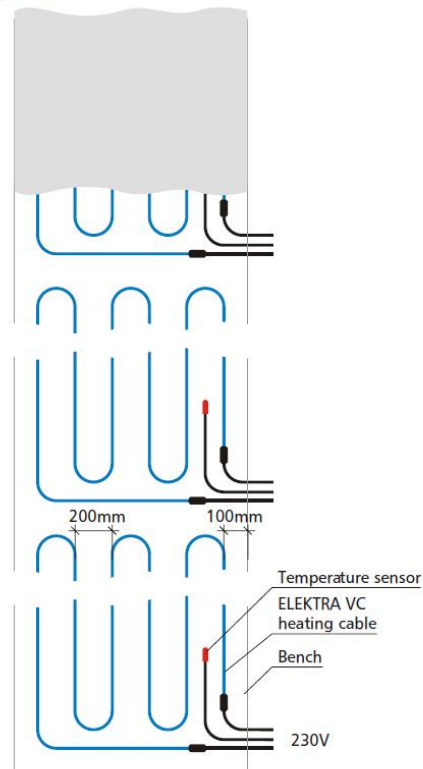
The power required is dependant on the type of plant and the construction of the plant bench. Cables with a power of 10W/m are the most common, and effectively should provide a power of 60-70W/m<sup>2</sup>.

Example: 50msq Bench Area  
Heating power: 60W/msq  
Installed heat power: 3390W  
Number of cables: 1  
Type: SIETXFR  
Single cable length: 339m  
Cable spacing: 200mm  
Supply: 240V  
Temp controller: ETN-F Din rail

Selecting the appropriate cable for propagation and keeping a set temperature is beneficial to plant growth. P.A.P. Heating Solutions P/L can advise on the correct cable size and part number for your requirements.



Cross section of gardening bench



Layout of ELEKTRA heating cables, on a propagation bench of 42m length and 1.2m width