SOIL WARMING CABLE G1(01)

Installation Instructions

THE CABLE

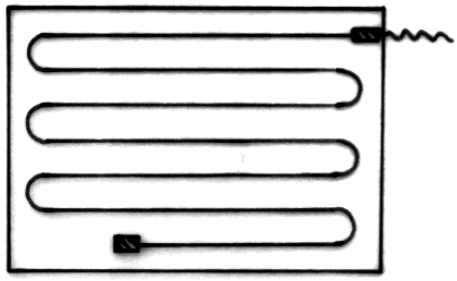
The cable operates off a 200 / 240 volt electricity supply. The black section is the mains lead, which should be connected to a 3 pin plug and the yellow is the heating section. **DO NOT** tamper with or cut this section or the junction end box.

When wiring into a plug connect the brown lead to the terminal marked L (Live) the blue lead to that marked N (Neutral) and the yellow / green lead to that marked E (Earth). The cable **MUST BE EARTHED.**

To make it easier to lay the cable, uncoil it so that it is not touching itself and plug it in until it has warmed up a little. This will make the cable a lot more flexible. Unplug and lay it as follows, avoiding sharp bends and stones that might damage the cable:

Spacing

2" gives a loading of 20 watts per sq.ft.
3" gives a loading of 15 watts per sq.ft.
4" gives a loading of 10 watts per sq.ft.
5" gives a loading of 8.5 watts per sq.ft.
6" gives a loading of 7.5 watts per sq.ft.
8" gives a loading of 5 watts per sq.ft.



PLEASE NOTE BEFORE USING YOUR SOIL WARMING CABLE:

- **NEVER** lay the cable in insulating materials such as peat, vermiculite, perlite etc. as the cable may overheat and break down. Ensure that the media, in which the cable is operated, is always damp.
- If in any doubt about electrical connections contact a qualified electrician.

POSSIBLE USES OF THE SOIL WARMING CABLE

Propagation Benches

Start with a layer of about 1" of coarse grit or capillary aggregate, cover with 1" of coarse sand (not builders sand) lay the cable and cover with a further inch of coarse sand. On top of this put either your growing medium for rooting cuttings, or more sand (or better still a capillary aggregate) into which you 'plunge' seed boxes or pots of seedlings / cuttings.
For general propagation 7.5 - 10 watts per square foot (4" to 6" cable spacings) is sufficient. For mist propagation 15 watts (3" spacing) is required.

Hot Beds

Lay the cable in soil 6" - 8" below the surface, in a bed of sand as above

Air Warming

These cables are also ideal for air warming within garden frames or enclosed propagators especially when used with a thermostat. Space the cables 2" apart but be sure they do not sag and touch when hot.

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