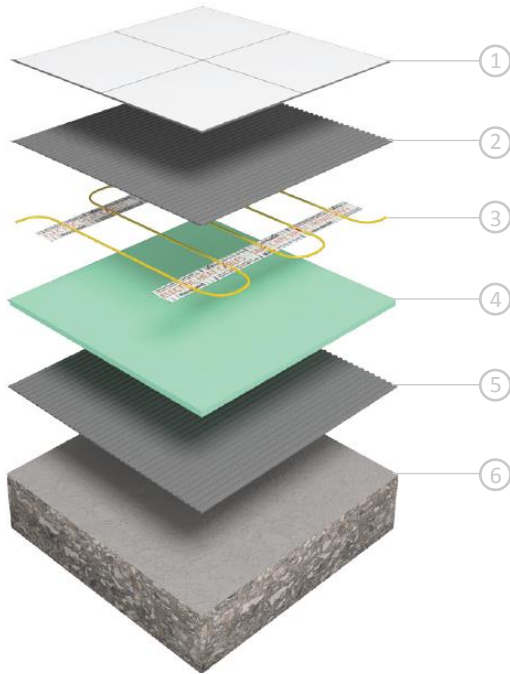


# Vario Loose Wire Heating Cable

For installation in small, awkward areas



1. Tiled floor finish
2. Flexible tile adhesive
3. Vario loose wire heating cable
4. Econoboard uncoated insulation board
5. Flexible tile adhesive
6. Concrete substrate



**Lifetime Warranty**

We are so confident of the quality of Vario Underfloor Heating cable that we give each system a warranty that lasts a Lifetime.



**Variable output underfloor heating**

Using Vario cable allows you to space the heating cables yourself to achieve a desired layout and heat output per m2.



**Advanced TwistedTwin heating cable**

The unique stress free cable construction creates a longer lasting heating cable with zero electromagnetic field (Zero EMF).



**Strong bond to the substrate**

The adhesive used in the Vario fixing strip is a high-grab, pressure activated adhesive that bonds permanently to the substrate and the heating cable.



**Ideal for irregular shaped areas**

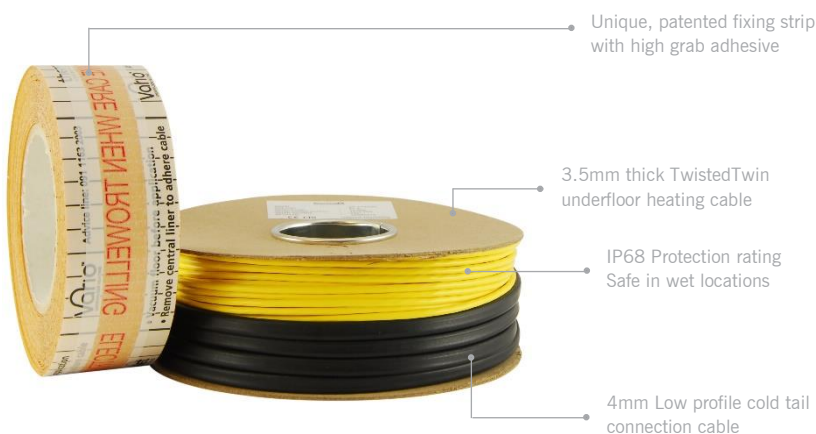
The layout is totally flexible and can be designed to fit around furniture and fixtures in small or irregular shaped rooms.



**Pre measured cable spacing**

The Vario fixing strip has pre measured 10mm cable spacing markers that remove the need to measured and mark your substrate, saving you time.

## Technical Data



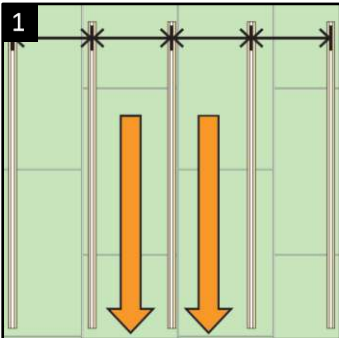
Thickness	3.5mm
Max. Temperature	28°C *
Protection Rating	IP68
Warranty	Lifetime
Conductor Type	Single Ended
Cold Tail Length	5m

\*Regulated by floor sensing thermostat

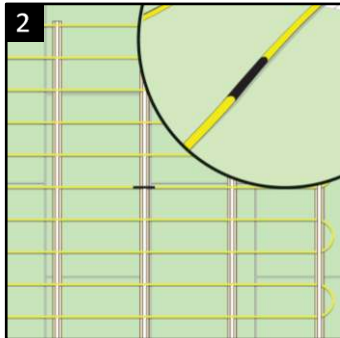


### Installation Overview

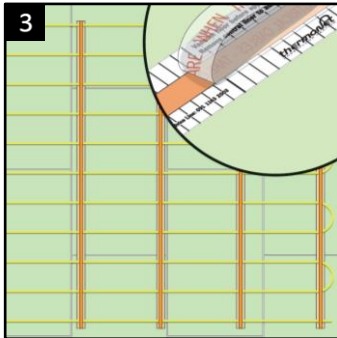
Vario loose wire underfloor heating cables are designed for installation in small, awkward area. This overview gives a guide to the basics of the installation. Always read the instructions in full before attempting your own installation.



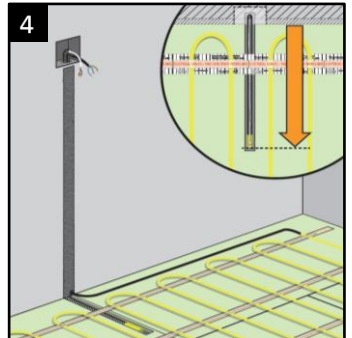
**Lay the fixing strips**  
Start with the first and last fixing strips and then space the remaining strips equally in between. Peel off the adhesive cover strips.



**Lay the Vario Cable**  
Pay attention to the halfway point in the cable. Make sure this is half way through your installation.



**Re-apply adhesive covers**  
Re-apply the covers over the fixing strip and cables to secure the cables in place.



**Install cold tail and sensor probe**  
Use a flexible tile adhesive to fix tiles straight over the heating mesh

This is an illustrative guide only. Read the instruction manual that is supplied with the system in full before attempting installation.

### How to calculate spacing of Vario cable

$$\frac{\text{AVAILABLE FLOOR SPACE (m}^2\text{)} \times 100}{\text{CABLE KIT LENGTH (m)}} = \text{CABLE SPACING (cm)}$$

### Vario Heating Cable

Stock Code	Length (m)	Area (m <sup>2</sup> )	Output (W)	Resistance (Ω)
102202T	14	1.0 – 1.5	185	286
102203T	22	1.5 – 2.0	300	176
102204T	33	2.0 – 2.8	450	118
102206T	44	3.0 – 4.5	600	88
102208T	55	4.5 – 5.8	750	71
102210T	66	6.0 – 7.5	900	59
102212T	86	7.5 – 9.0	1200	44
102215T	110	9.0 – 11.0	1500	35
102218T	132	11.0 – 13.0	1800	29
102221T	154	13.0 – 15.0	2100	25
102224T	176	15.0 – 18.0	2400	22