

SPECIFICATIONS FOR ELECTRIC IN-SCREED HEATING CABLE



Technical Data	
Element construction	Twin conductor
Primary insulation	Fluoro polymer
Secondary insulation	HDPE
Earth screen	Braided CuSn
Outer jacket	LSZH polyolefin
Rated Voltage	240VAC
Watts per meter	18 W
Watts per square meter	variable
Diameter	6mm
Cold tail, single	3.0m
Warranty	15 years
Approvals	UL, CE, ISO 9001

Product Code	Description	Suitable for area	Amps
SCK0180	180W x 10m cable	<0.9m ²	0.8
SCK0360	360W x 20m cable	1.0 – 1.8m ²	1.5
SCK0540	540W x 30m cable	1.9 – 3.6m ²	2.3
SCK0765	765W x 42.5m cable	3.7 – 5.1m ²	3.2
SCK1080	1080W x 60m cable	5.2 – 7.2m ²	4.5
SCK1440	1440W x 80m cable	7.3 – 9.6m ²	6.0
SCK1800	1800W x 100m cable	9.7 – 12.0m ²	7.5
SCK2160	2160W x 120m cable	12.1 – 14.4m ²	9.0
SCK2520	2520W x 140m cable	14.5 – 16.8m ²	10.5
SCK2790	2790W x 155m cable	16.9 – 18.6m ²	11.6
SCK3150	3150W x 175m cable	18.7 - 21.0m ²	13.1
SCK3600	3600W x 200m cable	21.1 – 24.0m ²	15.0
SCK4050	4050W x 225m cable	24.1 – 27.0m ²	16.9
SCK4500	4500W x 250m cable	27.1 – 36.0m ²	18.8

The Coldbuster In-Screed heater is a bi-directional, single ended 6mm cable, rated at 18W/m and supplied as a cable on a roll. The dual elements are Teflon coated with a layer of PVC around it for extra protection. This has a braided earth screen around it which almost completely limits electromagnetic radiation. Heaters have a 3m long cold tails that can be connected to a programmable or manual thermostat. Coldbuster's In-Screed Heaters come in a range of 14 standard lengths to cater for areas of all shapes & sizes. These 14 heaters can be combined to suit areas of any size.



Suitability

Coldbuster In-Screed heaters are suitable for majority of floor finishes.

Safety

The heating cable is waterproof and fully earthed. Once the heater is laid, it is out of sight, meaning no heating cables will be accessible by children or pets - ensuring a perfectly safe environment for the whole family.

Programmable or Manual Thermostat Control

Complete comfort control is easily achieved with the addition of optional programmable or manual thermostats available from Coldbuster. Automated operation enhances the energy efficiency of the Coldbuster heating system. Programs can be set to regulate comfort levels via floor or room air temperature, up to 4-6 cycles per day, accommodating different weekday and weekend routines.

Simple Installation

Coldbuster In-Screed heaters can be affixed to your slab or floor base using metal 'fixing rails', or secured with duct tape or hot glue if being laid onto waterproofed areas. The screed is then laid over top, followed by your floor type.

Installer Options

Of course, Coldbuster can provide installation of the heaters if requested.

However, all Coldbuster heating kits are in fact DIY kits, to enable you to choose to undertake installation yourselves, or have your electrician or builder on site do so (some states require an electrician to install). Instructions for installation are included in the kit and we also have videos on our site if necessary. Of course, we are also but a phone call or email away should any further assistance be required.

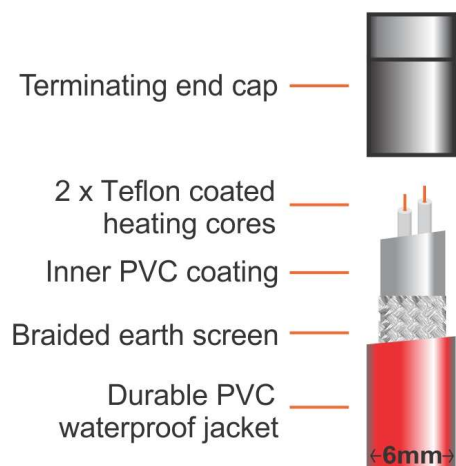
Electrical Requirements

The heater must be connected to an RCD (safety switch) protected circuit by an electrician. All wiring must conform to AS/NZS 3000:2000 and local wiring regulations.

In-Screed heating cable features:

- The cable is bi-directional, single ended 6mm cable.
- It is rated at 18W/m and supplied as a cable on a roll.
- Factory terminated single 3m long cold tail
- Element and cold tail connections are fully earthed and waterproof.
- Kit comes with a continuity and insulation monitor (element alarm/tester) with batteries.
- Personalised floorplan layout available upon request
- Installation guidelines with technical and installation support (telephone and/or email)
- 15-year warranty

Heating Cable Profile



- A. Cables can be:
- (a) taped (approx. every 1.5m) to the floor with duct tape; or
 - (b) glued (approx. every 1.5m) to the floor with hot melt glue; or
 - (c) clipped to fixing rails (approx. every 1.5m).

The cable spacing must be no greater than 135mm to generate a minimum of 135 watts/m² in living areas. In bathrooms, the cable spacing must be no more than 120mm to generate a minimum of 150watts/m² under 25-50mm of screed.

(Cable spacing = area x 1000/cable length)

- B. Cold tails (black colour) are 3.0m long, tagged with a label (showing heater length and width, product code, Watts, Amperage, Voltage and Ohms) and factory spliced to the heating section (red colour). The cable is factory capped at the other end.
- C. All heating cables come in standard sizes and are readily available

Service and support

Coldbuster provide a free design service and planning advice for your heater layouts. We are also available via email, phone or even walk-in to answer your any questions relating to electrical preparation or installation of your floor heating system.

IMPORTER & DISTRIBUTOR

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