ELECTRIC UNDERFLOOR HEATING

MaxHeatUFH Electric Underfloor Heating Loose Cable, 10W/m or 20W/m

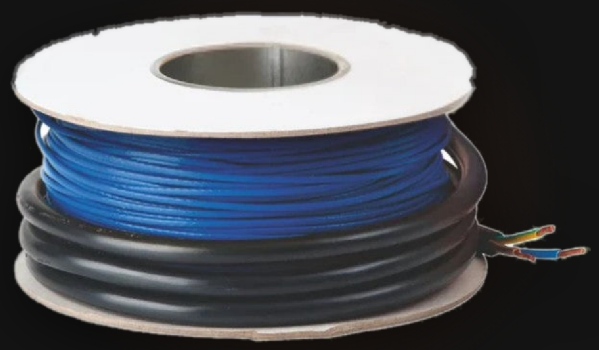
Loose cable for any room shape.

Loose-lay twin-core heating cable for tile and stone floors. Press it between the studs of our uncoupling membrane at the spacing you need and tile straight over. Ideal for awkward, L-shaped or small rooms where a mat will not fit.

CODES

MH-EC10-5 to MH-EC10-160, MH-EC20-10 to MH-EC20-125

PRODUCT



01 · IN THE BOX

What you get

- Heating cable with 3m cold tail

02 · YOU WILL NEED

Tools and materials

- Multimeter and 500V insulation resistance tester
- Tape measure and calculator
- Chisel or multi-tool for joint and sensor grooves
- Notched trowel and flexible tile adhesive

03 · SAFETY

Before you start

- Protect the circuit with a 30mA RCD and install to BS 7671. A qualified electrician must make the final connection.
- Never cut, cross or overlap the heating cable. Keep runs at least 50mm apart.
- Test the cable and insulation resistance before, during and after laying, and record every reading.

04 · INSTALLATION

Fit it in 8 steps.

1. **Make sure the subfloor is solid, clean and dust free.** Overboard timber with marine ply or tile backer board. Never lay on bitumen, and do not use XPS boards over timber. Prime and let it dry.
2. Bed the uncoupling membrane in flexible tile adhesive.
3. Test the cable out of the box and record the readings.
4. **Measure the free floor area, leaving out units, baths and the toilet.** Spacing = area ÷ cable length. For 10W/m cable, if this comes out under 50mm the cable is too long for the room: do not install it.
5. **Start at the thermostat end, 50 to 70mm in from the walls.** Press the cable between the membrane studs at your spacing, adjusting so all of it is used and the floor is covered evenly.
6. **Keep the cold tail joint and end joint fully bedded in adhesive.** Never tape over them and never bend the cold tail joint.
7. Run the floor sensor in a conduit between two runs, not touching the cable. If the cold tail must be shortened, unpick the braided earth (never cut along it), twist it and connect it to the supply earth.
8. Test again, then tile and grout with flexible adhesive.

05 · TESTING AND COMMISSIONING

Test, check, then hand over

- [x] Measure and record the cable resistance and insulation resistance out of the box, once laid, and again before tiling.
- [x] The electrician carries out a 500V DC insulation resistance test.
- [x] Test once more after tiling, before handover.

06 · CARE AND MAINTENANCE

Keep it working

- Wait at least a week after tiling before switching on.
- Start with the floor at about 18°C and raise it by 1°C a day.

07 · CABLE SPACING AND FLOOR OUTPUT

FLOOR OUTPUT	10W/M SPACING	20W/M SPACING
100W/m²	100mm	200mm
130W/m²	75mm	150mm
150W/m²	65mm	130mm
200W/m²	50mm (closest allowed)	-

Area covered = cable length x spacing, e.g. 60m of 10W/m at 65mm covers about 3.9m². At 100mm, 10W/m cable warms the floor rather than heating the room.

08 · GOOD TO KNOW

Choosing the length

The heating cable can't be cut. Measure the free floor area, choose the output you want, then pick the length whose wattage is closest to area x W/m². For example, 4m² at 150W/m² needs about 600W, which is the 10W/m 60m cable at 65mm spacing.

09 · ALSO NEEDED

Order with it

- A floor-sensing thermostat: Heatmiser neoStat-e or Heatmiser Slimline-E
- Uncoupling Membrane (1m wide roll) to hold the cable at the right spacing

10 · QUESTIONS

Asked by installers

Can I cut the cable to length?

No. The heating cable can't be cut. Choose a length that fits the heated area at your spacing.

Can I lay it in screed?

The 20W/m cable can be laid in a screed. The 10W/m cable is for laying in the tile bed over the membrane.

SCAN ME

Watch how it works and fits

Point your phone camera at the code to watch the video.

QUESTIONS ON SITE?

sales@maxheatufh.com **07539 499069**

WEB
maxheatufh.com

DELIVERY
Order by 12pm for next working day delivery