



Step By Step Guide to Installing Your Carpet Kit

Before installation - check the following

1. The floor area is clean of dirt and dust.
2. Two conduits should be installed in the wall cavity before you lay cable for your sensor and heating cable.
3. In your kit you will find a 'resistance card'. Check your resistance and compare with the factory reading. Resistance should be between -5% to +10% of the value noted on the factory resistance check.
4. When heating multiple rooms, always compare back to your supplied 'Comfort Heat Design Layout', that you are installing the correct cable allocated for the room.

Important Notes

1. To take care when installing, so you do not damage the cable .ie kinks, tight bends.
2. After installation to avoid damage to the cable
DO NOT INSTALL YOUR DOOR STOP IN THE FLOOR. You can install door stops in the wall.
3. The final connection of heating cables and thermostat must be carried out by a licensed electrician.
4. NEVER CUT THE HEATING CABLE (silver cable)- Only the cold tail can be shortened (check for location of 'Cold Tail Junction').
5. The heating cable should never touch or cross over. Heating cables are spaced at 50mm apart unless you are otherwise advised on your 'Design Layout'.
6. Generally, the thermostat set at 24-25 deg C will result in a comfortable floor temperature.



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Technical Data

Cable Type:	Single conductor heating cable with earth screen woven into textile net.
Construction:	Multi-strand heating wire wound around kevlar core with double insulation, fully braided earth shield on a woven textile net.
Insulation Rating:	4000 V
Rated Voltage:	240 Volts AC
Rated Output:	160 W/m ²
Cold Tail Length:	4 metre splice connection
Cable Diameter:	2.5 mm
Cable Standard:	IEC800 Class II

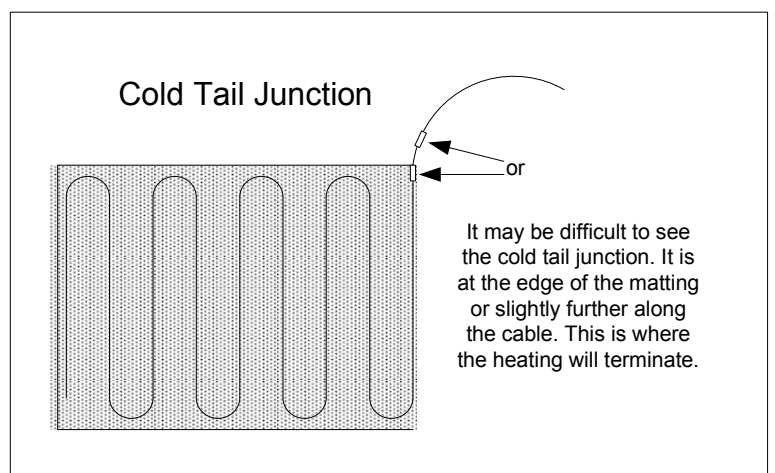
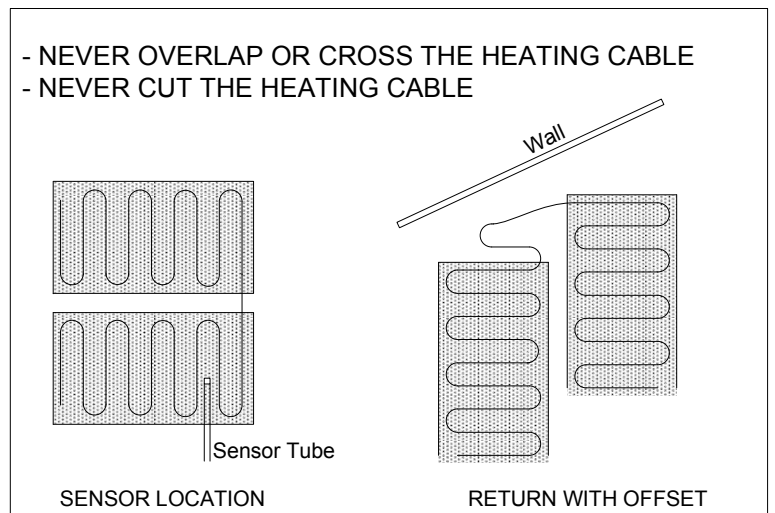
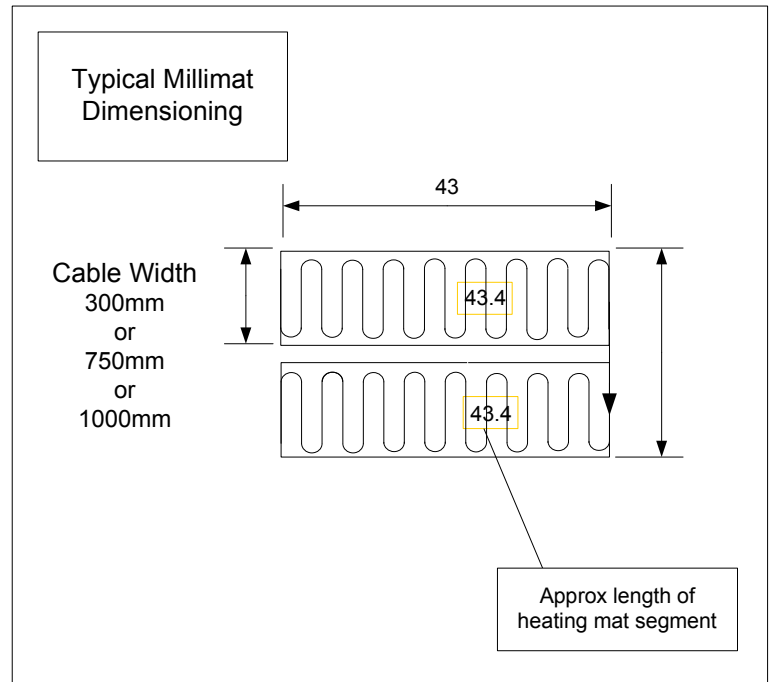
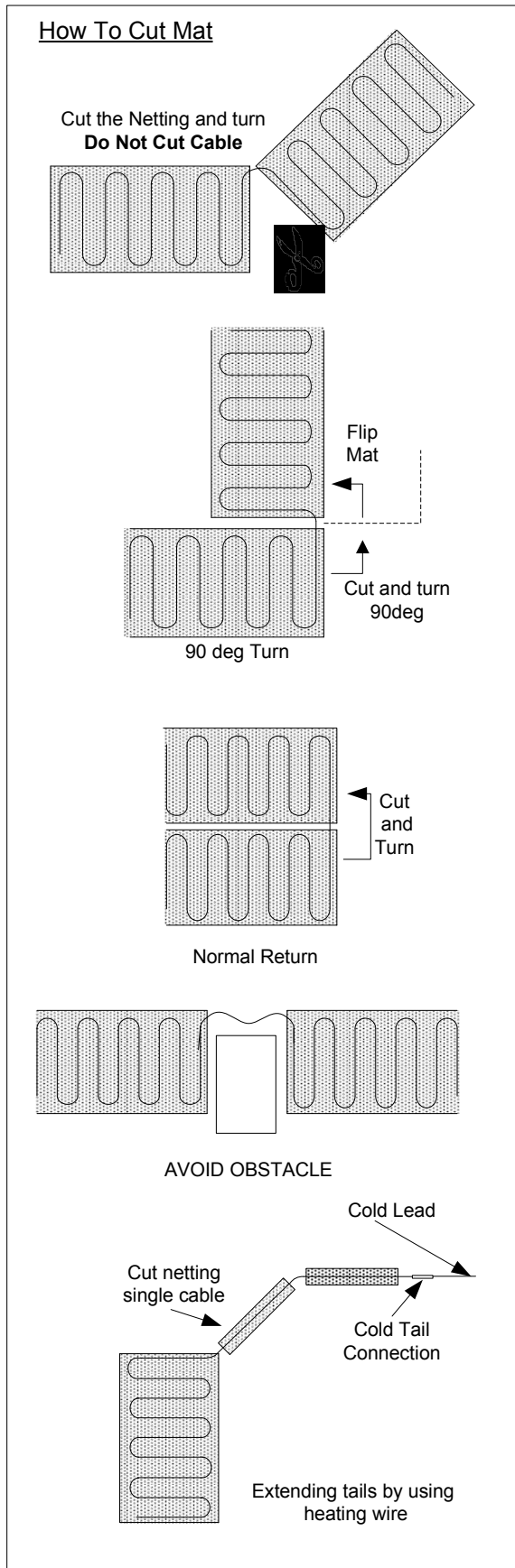
Installation

1. Underlay is to be installed before laying mat.
2. Starting at thermostat location, begin laying mat until you cover the required area, allowing approximately 100mm off walls and fixtures. Is it advised to tape the ends and edges as you lay the mats, always referring back to your supplied "Design Layout".
3. Create slices in the underlay to hold the sensor cable and cold tails, using tape to keep them in place. Sensor and cold tails are then pulled up the conduit. Refer to "Sensor Tube Assembly" page.
4. Check the resistance of the cable and compare with 'resistance card' supplied.
5. The floor is now ready to carpet.
6. You will need to supply your electrician with the nominated loads for each room.





Cable Installation Guide Carpet Heating Mat

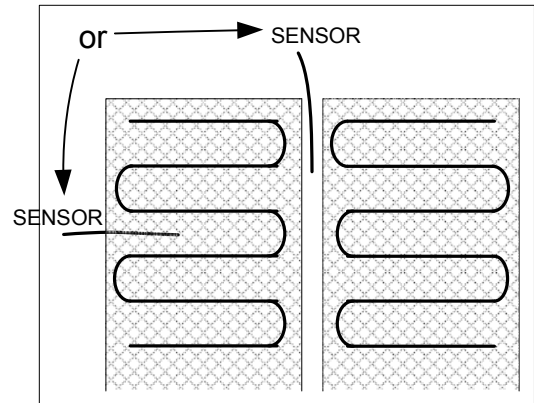




Sensor Assembly For Carpet

Location

The sensor should be located in the floor between the heating cables so that it measure a typical floor temperature. The sensor should not pass over or under the heating cable.



Sensor Installation

The sensor is best kept close to the wall as possible to reduce bulk. Create a small hole in the underlay, evenly between two heating elements. Insert the sensor under the underlay and poke the tip out through your hole. Create a slice in the underlay, allowing the exposed sensor to sit flush with the underlay and tape in place. Pull the excess cable up the conduit to the thermostat position.

