



# LOOSE CABLE

## DATA SHEET

<b>Cold Lead</b>	2.5m length, 3 core braided flex
<b>Cable Construction</b>	Multi Strand Twin Core Conductor, Fluoropolymer Insulation (Teflon), Earth Braid, Fluoropolymer Insulation (Teflon)
<b>Cable Wattage</b>	10w per 1m
<b>Cable Spacings</b>	100w @ 100mm / 150w @ 65mm / 200w @ 50mm
<b>Cable Diameter</b>	2mm
<b>Rated Voltage</b>	230v
<b>Mat Length</b>	11.5m - 180m in a single roll
<b>Warranty</b>	Lifetime Manufactures Warranty

### SPECIAL PROPERTIES

- Combining the highest comfort level with maximum energy efficiency
- Single point connection
- No PVC used on Heating Element
- Suitable for wet areas IPx7
- Emits Zero EMF (electromagnetic fields)
- Flexible and Durable constructed cable

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### CABLE CHART

Length (l/m)	Watts (w)	Resistance (Ohms)	Area Coverage (m <sup>2</sup> )
11.5	115w	460.0	0.60m <sup>2</sup> - 1.15m <sup>2</sup>
14	140w	377.9	0.70m <sup>2</sup> - 1.40m <sup>2</sup>
17	170w	311.2	0.80m <sup>2</sup> - 1.70m <sup>2</sup>
22.5	225w	235.1	1.10m <sup>2</sup> - 2.25m <sup>2</sup>
29	290w	182.4	1.45m <sup>2</sup> - 2.9m <sup>2</sup>
35	350w	151.1	1.75m <sup>2</sup> - 3.50m <sup>2</sup>
40	400w	132.3	2.00m <sup>2</sup> - 4.00m <sup>2</sup>
48	480w	110.2	2.40m <sup>2</sup> - 4.80m <sup>2</sup>
56	560w	94.5	2.80m <sup>2</sup> - 5.60m <sup>2</sup>
64	640w	82.7	3.20m <sup>2</sup> - 6.40m <sup>2</sup>
70	700w	75.6	3.50m <sup>2</sup> - 7.00m <sup>2</sup>
76	760w	69.6	3.80m <sup>2</sup> - 7.60m <sup>2</sup>
82	820w	64.5	4.10m <sup>2</sup> - 8.20m <sup>2</sup>
92	920w	57.5	4.60m <sup>2</sup> - 9.20m <sup>2</sup>
104	1040w	50.9	5.20m <sup>2</sup> - 10.40m <sup>2</sup>
114	1140w	46.4	5.70m <sup>2</sup> - 11.40m <sup>2</sup>
125	1250w	42.3	6.20m <sup>2</sup> - 12.50m <sup>2</sup>
145	1450w	36.5	7.20m <sup>2</sup> - 14.50m <sup>2</sup>
160	1600w	33.1	8.00m <sup>2</sup> - 16.00m <sup>2</sup>
180	1800w	29.4	9.00m <sup>2</sup> - 18.00m <sup>2</sup>

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### TESTING THE HEATING SYSTEM

The Fastwarm® Loose Cable System is tested prior to shipping but it must be tested as follows:

#### Step 1

After unpacking and prior to installation (record the readings).

#### Step 2

During the installation of the underfloor system onto substrate floor (record the readings).

#### Step 3

After installation of the underfloor heating system the electrician must carry out a 500 Volt DC insulation resistance test (record the readings).

#### Step 4

A final set of test will need to be carried out after final floor coverings are laid prior to signing off and commissioning the underfloor heating system.

\*The test is a reading in Ohms and can be within 10% plus or minus of the value shown on the table above (measured at a room temperature of 20 degrees). NB hot or cold conditions can cause the resistance to alter.

DUE TO THE REQUIREMENTS OF THE CURRENT IEE REGULATIONS PART P ONLY A QUALIFIED PERSON SHOULD TEST AND MAKE THE FINAL CONNECTIONS TO THE INSTALLATION.

### DISTANCE OF LOOPS

Cable spacing to achieve correct wattage output:

