



## TFU2 300W HEATING CABLE MAT 230VAC

Heating cable for outdoor use 300W/m 230VAC

Thermo-Floor offers several solutions for melting snow and ice. The TFU2 heating cable mat can withstand temperatures under installation up to 270°C, and it may be covered with hot asphalt without additional covering. This takes the response time down to a minimum, and eliminates the cost of covering the cables with aggregate. The TFU2 heating cable mat may also be installed underneath pavers or poured concrete. TFU2 can be used both for whole and partial covering of areas. The mat width is 50cm, which makes it very well suited for laying down in tire tracks on driveways etc.

The heating cable can be laid out to cover either part of or an entire area. The element width of 50cm makes it especially suitable for tire tracks for vehicles.

The TFU2 heating cable mat has a twin conductor cable with an output of 300W/m<sup>2</sup>. TFU2 is available both for 230VAC and 400VAC.

### PRODUCT FEATURES

- Outdoors
- Ramps and loading zones
- Tire tracks for vehicles
- Patios
- Snow and ice melting on walkways, steps, sidewalks etc.

### PRODUCT COVER

Asphalt, Concrete, Pavers

Asphalt, concrete and pavers

### GROUND PROTECTION/RCD/THERMOSTAT

The heating system must be equipped with an RCD with a maximum trip value of 30mA.

The heating system must be installed with an electronic thermostat for energy efficiency and temperature control.

The thermostat will also protect the installation from overheating, e.g. in the summertime.

### PRODUCT DATA

|  |                          |
|--|--------------------------|
| Voltage  | 230VAC 50Hz              |
| Cable type   | Twin conductor, grounded |
| Effect per m <sup>2</sup> (watt per m <sup>2</sup> ) | 300W                     |
| Cable diameter (Ø - mm)                              | 5mm                      |
| Cold lead  | 5m                       |
| Max temperature (average)                            | 80°C                     |
| Ambient temperature range in use                     | -30 to 40°C              |
| Min/max installation temperature                     | 0 to 270°C               |
| Colour   | Black                    |
| IP Code  | IPX7                     |
| Certification  | EN 50575, Reach, RoHS    |
| EN Standards   | CE, EN 60800             |
| Warranty international                               | 2 years                  |
| Customs number                                       | 85168000                 |



## Product Overview

| Art no.   | Product                                 | Size      | Total effect | Areal             | Ohm-value |                   |
|-----------|---|-----------|--------------|-------------------|-----------|-------------------|
| 10 115 71 | TFU2 230VAC 300W/1m <sup>2</sup> 300W   | 0.5 x 2m  | 300W         | 1 m <sup>2</sup>  | 176 Ω     | <a href="#">↗</a> |
| 10 115 72 | TFU2 230VAC 300W/2m <sup>2</sup> 600W   | 0.5 x 4m  | 600W         | 2 m <sup>2</sup>  | 88 Ω      | <a href="#">↗</a> |
| 10 115 73 | TFU2 230VAC 300W/3m <sup>2</sup> 900W   | 0.5 x 6m  | 900W         | 3 m <sup>2</sup>  | 59 Ω      | <a href="#">↗</a> |
| 10 115 74 | TFU2 230VAC 300W/4m <sup>2</sup> 1200W  | 0.5 x 8m  | 1200W        | 4 m <sup>2</sup>  | 44 Ω      | <a href="#">↗</a> |
| 10 115 75 | TFU2 230VAC 300W/5m <sup>2</sup> 1500W  | 0.5 x 10m | 1500W        | 5 m <sup>2</sup>  | 35 Ω      | <a href="#">↗</a> |
| 10 115 76 | TFU2 230VAC 300W/6m <sup>2</sup> 1800W  | 0.5 x 12m | 1800W        | 6 m <sup>2</sup>  | 29 Ω      | <a href="#">↗</a> |
| 10 115 77 | TFU2 230VAC 300W/7m <sup>2</sup> 2100W  | 0.5 x 14m | 2100W        | 7 m <sup>2</sup>  | 25 Ω      | <a href="#">↗</a> |
| 10 115 78 | TFU2 230VAC 300W/8m <sup>2</sup> 2400W  | 0.5 x 16m | 2400W        | 8 m <sup>2</sup>  | 22 Ω      | <a href="#">↗</a> |
| 10 115 80 | TFU2 230VAC 300W/10m <sup>2</sup> 3000W | 0.5 x 20m | 3000W        | 10 m <sup>2</sup> | 18 Ω      | <a href="#">↗</a> |
| 10 115 82 | TFU2 230VAC 300W/12m <sup>2</sup> 3600W | 0.5 x 24m | 3600W        | 12 m <sup>2</sup> | 15 Ω      | <a href="#">↗</a> |
| 10 115 84 | TFU2 230VAC 300W/14m <sup>2</sup> 4200W | 0.5 x 28m | 4200W        | 14 m <sup>2</sup> | 13 Ω      | <a href="#">↗</a> |

## MAINTENANCE

The product is maintenance-free, but it must always be installed in compliance with the manual.

## RETURN AND RECYCLING

The product must be recycled as electronic waste.

## PRODUKT DATA

|                                  |                               |                                  |              |
|----------------------------------|-------------------------------|----------------------------------|--------------|
| Covering                         | Asphalt<br>Concrete<br>Pavers | Colour                           | Black        |
| Outer sleeve material            | Polyvinylechloride (PVC)      | Ambient temperature range in use | -30 til 40°C |
| Min/max installation temperature | 0 til 270°C                   |                                  |              |

## DISCLAIMER

When installing the heating cable in cast constructions, the casting process must also be done in accordance with the installation manual.

We develop and design our products according in accordance with our strict quality requirements (ISO 9001) and environmental requirements (ISO 14001).

All electrical installations must be carried out by an authorized electrical installer. The product must be installed in accordance with our installers manual and national building codes. Any wrongful installation, misuse, damage of the product, is not covered under warranty.

Updated documentation is available at [www.thermo-floor.no](http://www.thermo-floor.no) and/or [documents.thermo-floor.no](http://documents.thermo-floor.no)

Thermo-Floor AS can not be held liable for any type of errors or omissions in our product information.

Product specifications may change without further notice.



## TFU2 300W Heating Cable Mat 230VAC can be ordered from thermo-floor.no

All additional documentation are available on [documents.thermo-floor.no/10115-02](https://documents.thermo-floor.no/10115-02)

