

# Product catalogue 2026

Global | January 2026

**DEVI**®   
by Danfoss

Make it easy,  
**make it DEVI**



The future  
is electric

# DEVI Warranty

DEVI has consistently delivered value to customers through a commitment to quality, reliability, and innovation. Our products are supported by industry-leading assistance including the DEVIwarranty™.

It not only covers the replacement of cables or mats but also extends to the reimbursement of installation and material costs for up to 20 years!

Comprising five individual warranties, DEVI provides you with complete peace of mind when using Electric Heating products.

We offer you the best warranties in the market.

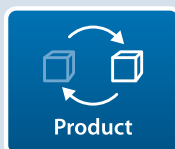
The warranty is a series of five individual, best-in-market warranties to give you full peace of mind while using Electric Heating products.

Scan QR code



To visit site  
of DEVI Warranty

## We provide two warranty types:



Product

**Product warranty**



Product

Installation

Floor/Surface

**Full-service warranty valid from 1st of July, 2021**

**Our quality management system  
certifications and compliances**



Along with full compliance with EU  
directives and product approvals

# Applications overview



Make it easy,  
**make it DEVI**

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## **Vineyards frost protection systems**

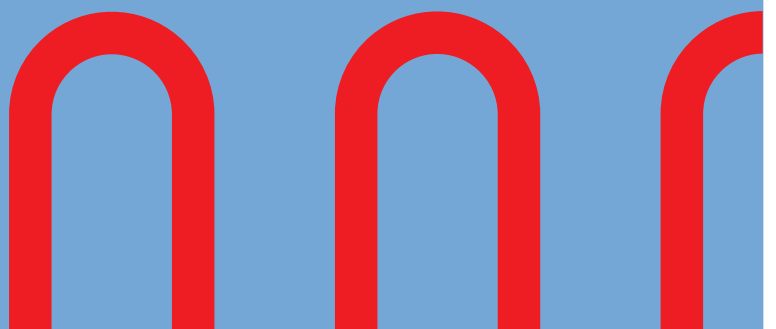
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## **Cold stores and Concrete hardening**

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## **Other heating elements**

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**Unique drinking  
water approved\*  
heating cable  
DEVlpipeheat™ 10 V3**

*\*KTW-BWGL drinking  
water approval*



- 1 Indoor installations:**
- DEVIflex™ 10T & 18T heating cable
  - DEVlcomfort™ 10T heating cable
  - DEVlcomfort™ 100T & 150T heating mat
  - DEVlmat™ 70T, 100T, 150T, 200T heating mat

**Control options:** DEVlreg™ Basic Polar white, DEVlreg™ Room Polar white, DEVlreg™ Opti, DEVlreg™ Touch, DEVlreg™ Smart

- 2 Ground, stairs, terraces:**
- DEVIsafe™ 20T heating cable
  - DEVIsnow™ 20T & 30T heating cable
  - DEVIsnow™ 300T heating mat

**Control options:** DEVlreg™ 850, DEVlreg™ 330, DEVlreg™ 316, DEVlreg™ 610, DEVlreg™ Multi

- 3 Asphalt installations:**
- DEVlasphalt™ 30T heating cable
  - DEVlasphalt™ 300T heating mat

**Control options:** DEVlreg™ 850, DEVlreg™ 330, DEVlreg™ 316, DEVlreg™ 610, DEVlreg™ Multi

- 4 Roof areas:**
- DEVIsafe™ 20T heating cable
  - DEVIsnow™ 20T & 30T heating cable
  - DEVlceguard 18 self-limiting cable

**Control options:** DEVlreg™ 850, DEVlreg™ 330, DEVlreg™ 316, DEVlreg™ 610, DEVlreg™ Multi

- 5 Downpipes, gutters:**
- DEVIsafe™ 20T heating cable
  - DEVIsnow™ 20T & 30T heating cable
  - DEVlceguard 18 self-limiting cable

**Control options:** DEVlreg™ 850, DEVlreg™ 330, DEVlreg™ 316, DEVlreg™ 610, DEVlreg™ Multi

- 6 Pipe frost protection:**
- DEVlpipeheat™ 10 V3 self-limiting heating cable (IN and ON pipe installation, approved for drinking water use)
  - DEVlpipeguard™ self-limiting heating cable (ON pipe installation)

**Control options:** DEVlreg™ Plug-in, DEVlreg™ 610, DEVlreg™ 330, DEVlreg™ 316

- 7 Domestic hot water:**
- DEVlhotwatt™ self-limiting heating cable (ON pipe installation)

**Control options:**  
DEVlreg™ Hotwater





Floor heating systems

Underfloor heating provides the most comfortable indoor climate in all rooms. The heat distributed by underfloor cables or mats is more evenly than with heating methods relying on radiators or airborne systems. DEVI intelligent solutions are invisible and saves space by eliminating the need for radiators, pipes and other installations. Nowadays electrical floor heating solutions with intelligent thermostats provided by DEVI are not only comfortable but also energy efficient and environmentally friendly. You have to consider what kind of heating method is suitable for your needs before installing floor heating.

Examples of floor heating by DEVI



Northern Lights village Levi, Finland

Opened on the 1st of November 2019, Northern Lights village in Levi, Finland, offers immersive arctic experience in Lapland. The project size is 640 m² (40 igloos \* 16 m² each).

Products

- DEVIcell™ LowCarbon
- DEVIflex™ 10T
- DEVlreg™ Smart



Mjøstårnet - the World's tallest timber building, Norway

Mjøstårnet is an 18-storey mixed-use building in Brumunddal, Norway. It is officially the world's tallest timber building, at 85.4 m (280 ft) tall. The project size is 72 hotel bathrooms.

Products

- DEVIcell™ LowCarbon
- DEVlreg™ Smart

Floor heating systems, comfort floor heating and total heating

Total heating meaning the only source of heating and comfort heating meaning additional comfort heating. Electrical floor heating is very well suited for advanced timer-controls, so that you only heat up the room when you are actually at home, this is sound economy and good for environment.

| Products                       | Standard                                                                | Mechanical class * | Applications            |                              |               |              |
|--------------------------------|-------------------------------------------------------------------------|--------------------|-------------------------|------------------------------|---------------|--------------|
|                                |                                                                         |                    | Concrete more than 3 cm | Thin concrete less than 3 cm | Dry solutions | Joist floors |
|                                |                                                                         |                    | Page no.                |                              |               |              |
| Cables and Mats                |                                                                         |                    |                         |                              |               |              |
| DEVlbasic™ 10S                 | IEC60800:1992                                                           | C                  | 25                      | 25                           |               | 25           |
| DEVlbasic™ 20S - 230 V & 400 V | IEC60800:1992                                                           | C                  | 27                      |                              |               |              |
| DEVlbasic™ Drum Goods          | IEC60800:1992                                                           |                    | 29                      |                              |               |              |
| DEVlcomfort™ 10T               | IEC60800:2009                                                           | M1                 |                         | 30                           | 30            | 30           |
| DEVlflex™ 6T                   | IEC60800:2009                                                           | M2                 |                         | 20                           |               | 20           |
| DEVlflex™ 10T                  | IEC60800:2009                                                           | M2                 | 21                      | 21                           |               | 21           |
| DEVlflex™ 18T                  | IEC60800:2009                                                           | M2                 | 23                      |                              |               |              |
| DEVlheat™ 150S & Mirror 150S   | IEC60335-1 + IEC60335-2-96                                              |                    |                         | 41                           |               |              |
| DEVlcomfort™ 100T              | IEC60335-1 + IEC60335-2-96                                              |                    |                         | 38                           |               |              |
| DEVlcomfort™ 150T              | IEC60335-1 + IEC60335-2-96                                              |                    |                         | 39                           |               |              |
| DEVlmat™ 70T                   | IEC60335-1 + IEC60335-2-96                                              |                    |                         | 32                           |               |              |
| DEVlmat™ 100T                  | IEC60335-1 + IEC60335-2-96                                              |                    |                         | 33                           |               |              |
| DEVlmat™ 150T                  | IEC60335-1 + IEC60335-2-96                                              |                    |                         | 35                           |               |              |
| DEVlmat™ 200T                  | IEC60335-1 + IEC60335-2-96                                              |                    |                         | 37                           |               |              |
| DEVlflex 50T                   | IEC60800:2009                                                           | M2                 | 43                      |                              |               |              |
| DEVlflex 75T                   | IEC60800:2009                                                           | M2                 | 44                      |                              |               |              |
| DEVlflex 100T                  | IEC60800:2009                                                           | M2                 | 45                      |                              |               |              |
| DEVlflex 150T                  | IEC60800:2009                                                           | M2                 | 46                      |                              |               |              |
| DEVlflex 175T                  | IEC60800:2009                                                           | M2                 | 47                      |                              |               |              |
| DEVlcell™ LowCarbon            |                                                                         |                    |                         |                              | 48            |              |
| Thermostats                    |                                                                         |                    |                         |                              |               |              |
| DEVlreg™ InControl             | LVD 60730-1, -2-7 and -2-9<br>EMC EN 301 489 -1 and -17<br>RF EN 300328 |                    | 92                      | 92                           | 92            | 92           |
| DEVlreg™ 330 (5 °C - 45 °C)    | EN 60730-1 + EN 60730-2-9                                               |                    | 108                     | 108                          |               |              |
| DEVlreg™ Opti                  | EN 60730-1 + EN 60730-2-9                                               |                    | 94                      | 94                           | 94            | 94           |
| DEVlreg™ Basic Polar white     | LVD 60730-1, -2-7 and -2-9<br>EMC EN 301 489 -1 and -17<br>RF EN 300328 |                    | 96                      | 96                           | 96            | 96           |
| DEVlreg™ Room Polar white      | LVD 60730-1, -2-7 and -2-9<br>EMC EN 301 489 -1 and -17<br>RF EN 300328 |                    | 98                      | 98                           | 98            | 98           |
| DEVlreg™ Touch                 | EN 60730-1 + EN 60730-2-9                                               |                    | 103                     | 103                          | 103           | 103          |
| DEVlreg™ Display Connect       | LVD 60730-1, -2-7 and -2-9<br>EMC EN 301 489 -1 and -17<br>RF EN 300328 |                    | 100                     | 100                          | 100           | 100          |
| DEVI Connect                   | 62368-1/EN 18031-1:2024/EN 301489<br>EN 55032/EN 55035                  |                    | 102                     | 102                          | 102           | 102          |

## Ice and snow melting systems

Many homeowners experience the challenges of ice and snow on the roof, in gutters, downpipes and on the driveway. Electric heating cables can minimize these problems. DEVI's ice and snow melting system is designed to provide comfort and safety for people, vehicles, and buildings.

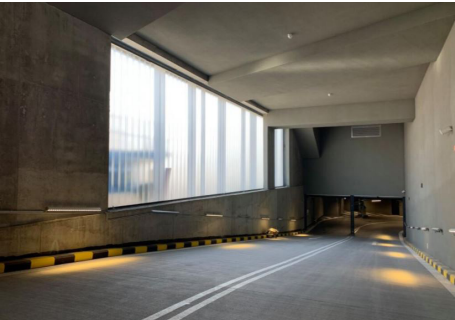
### Ground applications

DEVI outdoor heating solutions clean snow and ice from your driveway and provide safe walking and driving. The most common DEVI ice and snow melting applications on ground are car parks, driveways, pavements, outdoor steps, loading platforms, and bridges. DEVI's ice and snow melting system works well with most common surface covering materials such as asphalt, concrete, and tiles.

### Roof applications

Ice and snow melting systems offered by DEVI for roofs and gutters protect them from damages caused by icicles. The solution can be installed in any type of roof construction where there is a need to prevent melt water deposits in roof gutters and reduce damages to constructions like frozen facades and roofs. In roof gutters and downpipes damage is prevented by an efficient and free draining of melt water, which naturally ensures that the system functions satisfactorily.

#### Examples of ice&snow melting by DEVI



**The first underground roundabout, Slovakia**

More than 1,300 bus connections run daily in this location. Total area is 800 m².

- Products**
  - DEVISnow™ 300T 400V
  - DEVireg™ 850 IV (10 pcs. paired with
  - DEVireg™ 850 IV, (2 pcs. with weather station)



**Grand Airport, Istanbul, Turkey**

Istanbul Airport is the main international airport serving Istanbul, Turkey. The project size is 4100 m².

- Products**
  - DEVISnow™ 30T
  - DEVIflex™ 10T
  - DEVireg™ 330
  - Alutape



**Remarkables Ski Field Queenstown, New Zealand**

Snow and ice melting system was installed on the outdoor patio of the base building divided by 22 zones. The project size is 2500 m².

- Products**
  - DEVISnow™ 30T

## Ice and snow melting systems, frost protection of ground, road, roof, antennas, etc.

When heating cables are installed to melt snow or slippery ice from ground areas, safety and cost savings go hand in hand. These systems can be used at home in pavements, driveways and walkways or in commercial car parks, ramps, steps and areas of drainage. It can even be used to melt snow and ice from mastic asphalt surfaces.

| Products                          | Standard                                   | Mechanical class * | Applications                        |                   |                                     |                           |                            |
|-----------------------------------|--------------------------------------------|--------------------|-------------------------------------|-------------------|-------------------------------------|---------------------------|----------------------------|
|                                   |                                            |                    | Frost protection - antennas / wires | Roofs and gutters | Asphalt (mastic) - high temperature | Asphalt - low temperature | Pavements, roads and ramps |
|                                   |                                            |                    |                                     |                   |                                     |                           |                            |
| Cables and Mats                   |                                            |                    |                                     |                   |                                     |                           |                            |
| DEVIsafe™ 20T - 230V              | IEC60800:2009                              | M2                 | 57                                  | 57                |                                     |                           | 57                         |
| DEVIsnow™ 20T - 230 V & 400 V     | IEC60800:2009                              | M2                 | 59                                  | 59                |                                     |                           | 59                         |
| DEVIsnow™ 30T - 230 V & 400 V     | IEC60800:2009                              | M2                 | 61                                  | 61                |                                     |                           | 61                         |
| DEVIsnow™ 300T - 230 V & 400 V    | IEC60800:2009                              | M2                 |                                     | 63                |                                     |                           | 63                         |
| DEVIsnow™ Drum Goods              | IEC60800:2009                              |                    | 65                                  | 65                |                                     |                           | 65                         |
| DEVlasphalt™ 30T                  | IEC60800:2009                              | M2                 |                                     |                   | 66                                  | 66                        |                            |
| DEVlasphalt™ 300T - 230 V & 400 V | IEC60800:2009                              | M2                 |                                     |                   | 67                                  | 67                        |                            |
| DEVliceguard™ 18 (T) Ready-made   | SS 424 24 11: 1992<br>EN/IEC 62395-1: 2013 |                    | 83                                  | 83                |                                     |                           |                            |
| DEVliceguard™ 18 (T) Drum Goods   | EN 62395-1: 2013                           |                    | 81                                  | 81                |                                     |                           |                            |
| DEVliceguard™ 18 (B) Drum Goods   | EN 62395-1: 2013                           |                    | 79                                  | 79                |                                     |                           |                            |
| Thermostats                       |                                            |                    |                                     |                   |                                     |                           |                            |
| DEVIreg™ 316                      | EN 60730-1 + EN 60730-2-9                  |                    | 110                                 | 110               | 110                                 | 110                       | 110                        |
| DEVIreg™ 330 (-10 °C - +10 °C)    | EN 60730-1 + EN 60730-2-9                  |                    | 108                                 | 108               | 108                                 | 108                       | 108                        |
| DEVIreg™ 330 (5 °C - 45 °C)       | EN 60730-1 + EN 60730-2-9                  |                    | 108                                 |                   | 108                                 | 108                       | 108                        |
| DEVIreg™ 610                      | EN 60730-1 + EN 60730-2-9                  |                    | 112                                 | 112               | 112                                 | 112                       | 112                        |
| DEVIreg™ 850 IV                   | EN 60730-1 + EN 60730-2-9                  |                    |                                     | 115               | 115                                 | 115                       | 115                        |
| DEVIreg™ Multi                    | EN 60730-1 + EN 60730-2-9                  |                    | 113                                 | 113               | 113                                 | 113                       | 113                        |

Pipe tracing

- DEVI's pipe tracing systems may be used for two main purposes:
- 1. Frost protection systems are installed where there is a need to prevent water and sanitary pipes from freezing and becoming ice-damaged.
  - 2. Temperature maintenance systems ensure that hot water or fluid pipes maintain the required temperature.

DEVI's pipe tracing systems may be used on the inside and outside of pipes, for indoor and outdoor pipe networks as well as for pipes above and below the ground.

The advantages of the pipe tracing systems are:

- Ice-free pipes
- Constant flow in pipes
- Depth reduction for underground pipes
- No repair costs after a hard winter
- No hardening of fatty products in pipe systems
- Efficient hot water supply.

Examples of pipe tracing by DEVI



Situla Building, Ljubljana, Slovenia

DEVI was chosen for the pipe tracing solutions and heating roof, gutters & down pipes, as well as parking entrance.

Products

- DEVIpipeguard™ 10
- DEVIpipeguard™ 25
- DEVIreg™ 330 thermostats
- DEVIsnow™ 30T
- DEVIreg™ 850 – 10 pcs.
- Roof Sensors – 5 pcs.
- Ground Sensors – 13 pcs.



Suzhou Apartments, China

Suzhou city was founded in 500 BC. is nowadays a major city located in south-eastern Jiangsu Province of East China. The project size is 2 apartment buildings, 600 apartments.

Products

- DEVIhotwatt™ 55



Pipeline in Strzelce Opolskie, Poland

Electric heating of pipes to protect them against frost damage.

Products

- DEVIflex™ 18T
- DEVIreg™ 330

Pipe tracing, frost protection and temperature maintenance

During the winther, problems with frost in fresh water pipes, waste water pipes, cooling water pipes, supply water pipes and sprinkler systems can be avoided by heating the pipes internally or externally. The DEVI systems provide either a constant wattage system or a self-limiting system.

| Products                                 | Standard                  | Mechanical class * | Applications                                 |                                             |                                             |                                            |
|------------------------------------------|---------------------------|--------------------|----------------------------------------------|---------------------------------------------|---------------------------------------------|--------------------------------------------|
|                                          |                           |                    | Pipe tracing - temp. maintenance, externally | Pipe tracing - frost protection, externally | Pipe tracing - frost protection, internally | Pipe tracing -Domestic hot waterexternally |
|                                          |                           |                    |                                              |                                             |                                             |                                            |
| Cables and Mats                          |                           |                    |                                              |                                             |                                             |                                            |
| DEVlbasic™ 10S                           | IEC60800:1992             | C                  | 25                                           | 25                                          |                                             |                                            |
| DEVlbasic™ 20S - 230 V & 400 V           | IEC60800:1992             | C                  | 27                                           | 27                                          |                                             |                                            |
| DEVlbasic™ Drum Goods                    | IEC60800:1992             |                    | 29                                           | 29                                          |                                             |                                            |
| DEVlflex™ 6T                             | IEC60800:2009             | M2                 | 20                                           | 20                                          |                                             |                                            |
| DEVlflex™ 10T                            | IEC60800:2009             | M2                 | 21                                           | 21                                          |                                             |                                            |
| DEVlflex™ 18T                            | IEC60800:2009             | M2                 | 23                                           | 23                                          |                                             |                                            |
| DEVImulti™ PVC                           | IEC60800:1992             |                    | 87                                           | 87                                          |                                             |                                            |
| DEVlaqua™ 9T - 230 V/400V/ Special order | IEC60800:2009             | M1                 |                                              |                                             | 54                                          |                                            |
| DEVlpipeheat™ 10 V2                      | IEC 60335-1:2012          |                    |                                              | 49                                          |                                             |                                            |
| DEVlpipeheat™ 10 V3                      | IEC 60335-1:2012          |                    |                                              |                                             | 51                                          |                                            |
| DEVlhotwatt™ 45 / 55 / 70                | DIN VDE 0254: 1994-06     |                    |                                              |                                             |                                             | 85                                         |
| DEVlpipeguard™ (B) 10/25/33              | DIN VDE 0254: 1994-06     |                    | 69                                           | 69                                          |                                             |                                            |
| DEVlpipeguard™ LSZH 10/25/33             | EN 62395-1: 2013          |                    | 73                                           | 73                                          |                                             |                                            |
| DEVlpipeguard™ 30/60 Industry            | VDE E 0254: 94            |                    | 77                                           | 77                                          |                                             |                                            |
| Thermostats                              |                           |                    |                                              |                                             |                                             |                                            |
| DEVlreg™ 316                             | EN 60730-1 + EN 60730-2-9 |                    | 110                                          | 110                                         | 110                                         |                                            |
| DEVlreg™ Plug-in                         | EN 60730-1 + EN 60730-2-9 |                    |                                              |                                             | 107                                         |                                            |
| DEVlreg™ 330 (-10 °C - +10 °C)           | EN 60730-1 + EN 60730-2-9 |                    | 108                                          | 108                                         | 108                                         |                                            |
| DEVlreg™ 330 (5 °C - 45 °C)              | EN 60730-1 + EN 60730-2-9 |                    | 108                                          | 108                                         | 108                                         |                                            |
| DEVlreg™ 330 (60 °C - 160 °C)            | EN 60730-1 + EN 60730-2-9 |                    | 108                                          | 108                                         | 108                                         |                                            |
| DEVlreg™ 610                             | EN 60730-1 + EN 60730-2-9 |                    | 112                                          | 112                                         | 112                                         |                                            |
| DEVlreg™ Multi                           | EN 60730-1 + EN 60730-2-9 |                    | 113                                          | 113                                         | 113                                         |                                            |
| DEVlreg™ Hotwater                        | EN 60730-1 + EN 60730-2-9 |                    | 105                                          | 105                                         | 105                                         | 105                                        |



## Sport fields and agriculture

DEVI electrical heating is the best solution for sports fields such as stadiums or golf-links but also for seed beds. Heating of seed beds can be used in greenhouses, cutting beds, seed beds and reproduction boxes.

### Sport fields heating

With DEVI electric heating solutions installed in football fields or golf courses the soil can be heated and the growth of grass can start in the early spring. The area will then be ready up to two months earlier than usual. Furthermore, the season can be prolonged in autumn when the period until the grass stops growing can be extended by means of heating the roots. Not only does DEVI very efficiently and energy aware prevent the field with artificial grass from being hit with frost and or snow when this is needed, it also serves as a growth and restoration stimulator for the natural grass. All this ensures a better pitch that can be used to the max irrespective of the season or location.

Applications for natural field grass keep the ground temperature on a certain level. They help to maintain and evolve the roots grass.

Artificial grass applications keep the field free from ice and snow.

#### Examples of fields heating by DEVI



City Stadium, Zhytomyr, Ukraine

Zhytomyr city stadium includes 20 000 seats. The project size is 7800 m².

#### Products

DEVIsport™ 35464 m



Vasas SC Stadium Budapest, Hungary

Illovszky Rudolf Stadion (Training club Vasas SC) contains 5 054 seats. The project size is 8 214 m².

#### Products

DEVIsport™ 985 kW in total



Fredrikstad Stadium, Norway

Electrical heating extends the seasonal use of the facilities equipped with artificial grass.

#### Products

DEVIheat™ 90S – 228 pcs.

### Seed beds heating

In order to speed up vegetation and reproduction in greenhouses the soil may be heated from early spring so the vegetation starts earlier and the harvest lasts longer. Besides, it facilitates the cultivation of heat requiring plants which normally only grow in subtropical/tropical latitudes. In order to reach the necessary temperatures DEVI heating solutions are ideal and if they are equipped with electronic DEVIreg™ thermostats and sensors, the energy consumption will be minimal.

#### Examples of seed beds heating by DEVI



Atatürk Horticultural Central Research Institute, Yalova, Turkey

Seed beds heating on 2 tables of greenhouse sample – 15x1m2 each.

#### Products

DEVIflex™ 10T – 280 m  
DEVIreg™ 535 – 2 pcs.  
DEVIfast™ – 1 pcs.



### Sport fields and agriculture, heating of football fields, seed beds, farms.

With DEVI heating cables or heating mats in the ground you can heat the field and start the growing season early in the spring. The field can be ready for use up to two months earlier than usual. In this way the season can also be prolonged well into the autumn. DEVI also has excellent solutions for fields with artificial grass.

| Products                       | Standard                  | Mechanical class * | Applications |            |                 |
|--------------------------------|---------------------------|--------------------|--------------|------------|-----------------|
|                                |                           |                    | Seed beds    | New fields | Existing fields |
|                                |                           |                    | Page no.     |            |                 |
| Cables and Mats                |                           |                    |              |            |                 |
| DEVIsafe™ 20T - 230V           | IEC60800:2009             | M2                 | 57           |            |                 |
| DEVISnow™ 20T - 230 V & 400 V  | IEC60800:2009             | M2                 | 59           | 59         |                 |
| DEVISnow™ 30T - 230 V & 400 V  | IEC60800:2009             | M2                 |              | 61         |                 |
| DEVISnow™ Drum Goods           | IEC60800:2009             |                    |              | 65         |                 |
| DEVISnow™ 300T - 230 V & 400 V | IEC60800:2009             | M2                 |              | 63         |                 |
| DEVISport™                     | NF C 32-330:2002          |                    |              | 90         | 90              |
| DEVIflex™ 10T                  | IEC60800:2009             | M2                 | 21           |            |                 |
| DEVIflex™ 18T                  | IEC60800:2009             | M2                 | 23           |            |                 |
| DEVIbasic™ 10S                 | IEC60800-1992             | C                  | 25           |            |                 |
| DEVIbasic™ 20S - 230 V & 400 V | IEC60800-1992             | C                  | 27           |            |                 |
| DEVIbasic™ Drum Goods          | IEC60800-1992             |                    | 29           |            |                 |
| Thermostats                    |                           |                    |              |            |                 |
| DEVIreg™ 316                   | EN 60730-1 + EN 60730-2-9 |                    | 110          | 110        | 110             |
| DEVIreg™ 330 (-10 °C - +10 °C) | EN 60730-1 + EN 60730-2-9 |                    | 108          | 108        | 108             |
| DEVIreg™ 330 (5 °C - 45 °C)    | EN 60730-1 + EN 60730-2-9 |                    | 108          | 108        | 108             |
| DEVIreg™ 610                   | EN 60730-1 + EN 60730-2-9 |                    | 112          | 112        | 112             |
| DEVIreg™ Multi                 | EN 60730-1 + EN 60730-2-9 |                    | 113          | 113        | 113             |

## Vineyards frost protection systems

Every year vine growers from different regions face a problem of late frosts. They often happen in April - May when buds start blossoming. Late spring frosts are one of the greatest challenges vine growers are facing.

Electric Heating solves the challenge with energy efficient systems using Electric Heating cables to protect vines against frost damage.

The advantages of the vineyard frost systems are:

- An energy-efficient solution with electric heating cables.
- Easy, fast and reliable installation.
- A customized approach to meet client’s needs, area of vinery and number of rows.
- Proven high saving compared to the existing methods.
- A sustainable solution for a green and clean future through low energy consumption during the frost period.
- Tough cable outer sheath (resistant to weather and UV).

### Examples of vineyards frost protection by DEVI



#### Chablis, France

The domain Louis Moreau in Chablis is a 50-hectare family estate. Today it’s owned by Louis Moreau, representing the sixth generation of his family’s vine growers. With 80% of production being exported, the vines of Chablis are well known in France and worldwide.

#### Products

DEVIsnow™



#### Cahors, France

Electric Heating by Danfoss to protect the domain Colombier in Cahors. The domain is 20-hectare family estate owned by Fabienne and Fabrice Rigal since 1993. Vines of Chardonnay and AOC are cultivated here.

#### Products

DEVIsnow™



#### Lundeborg, Denmark

The vineyard, organically grown at Lundeborg on Funen in Denmark. Approx. one km from the sea, located on a small slope to the south. The installation is carried out on 9 rows of 40 m each length.

#### Products

DEVIsnow™ 20T  
ECL Comfort 310 Control system  
ESMB-12, pt 1000 Universal sensors  
GSM Module

### Vineyards frost protection systems.

Electric Heating solves the challenge with energy efficient systems using Electric Heating cables to protect vines against frost damage.

| Products                       | Standard                  | Mechanical class * | Vineyards |
|--------------------------------|---------------------------|--------------------|-----------|
|                                |                           |                    | Page no.  |
| Cables and Mats                |                           |                    |           |
| DEVIsafe™ 20T - 230V           | IEC60800:2009             | M2                 | 57        |
| DEVIsnow™ 20T - 230 V & 400 V  | IEC60800:2009             | M2                 | 59        |
| DEVIsnow™ Drum Goods           |                           |                    | 65        |
| Thermostats                    |                           |                    |           |
| DEVireg™ 330 (-10 °C - +10 °C) | EN 60730-1 + EN 60730-2-9 |                    | 108       |
| DEVireg™ 330 (5 °C - 45 °C)    | EN 60730-1 + EN 60730-2-9 |                    | 108       |
| DEVireg™ Multi                 | EN 60730-1 + EN 60730-2-9 |                    | 113       |



## Cold stores

Heating up the floor construction in a cold store is a necessity in order to protect the building from the floor in cold stores or ice stadiums, etc.

In cold stores where the temperature is constantly between -20 and -30°C, coldness will still be given off to the surroundings even though the floor is well insulated.

## Condensation protection of floors

In doorways between cold stores and heated rooms condensed water may form on the floor due to the constant shifts between cold and warm air caused by the opening and closing of doors. This can result in dangerous ice formations on the floor and therefore, the floor in these areas must be heated. As an extra comfort it will also limit the flow of cold air to the heated area.

## Floors

In cold stores where the temperature constantly lies between –20 and –30°C, cold will still be released to the surroundings even though the floor is well-insulated. This means that the materials which are in contact with the ground/soil, such as foundation and floor areas, will absorb the cold and leave the ground/soil to freeze. The water content in the ground/soil will expand and this can cause considerable damages due to frost erosion.The same problem also appears in ice stadiums, which are artificially frozen. This can be avoided with DEVI’s frost protection system, though.

### Examples of cold stores heating by DEVI



**CSL Behring Vaccination Manufacturer, Victoria Australia**

The CSL Broadmeadows warehouse set temperature is -30 °C for the appropriate storage of vaccines and medications. The project size is 983 m².

- Products**
- DEVIsnow™ 30T
  - DEVIflex™ 18T



**Refrigeration camera, Ukraine**

Frost protection system was installed in two refrigeration cameras (1 000 m² each).

- Products**
- DEVIbasic™ on drums 10 km
  - DEVIflex™ 10T
  - DEVIreg™ 330

## Heating of thermal bridges

DEVI’s heating systems can be used to avoid temperature differences in floors caused by thermal bridges. DEVI’s heating systems can also be used to avoid or limit draughts, e.g. at windows, doors, exterior walls, and central elements in concrete buildings.

## Cold stores and concrete hardening

In connection with casting processes during winter time, it can often be difficult to ensure the correct strength of the concrete as well as to achieve a uniform result of the surface, when temperatures fall below the freezing point.

To avoid unnecessary and expensive delays of the building activities it often can be necessary to add a little extra heat, to keep up the correct temperature to sustain the hardening process.

This problem may in many cases be solved, by embedding heating cables in the concrete construction attached directly to the reinforcement mesh and raising the temperature some degrees to maintain the natural process.

### Example of concrete hardening by DEVI



**Bjørvika tunnel Oslo, Norway**

Bjørvika tunnel links Festning tunnel in Oslo west with Ekeberg tunnel in Oslo east. DEVI was chosen to harden the concrete in roof and walls in the immersed part of the tunnel.  
Project size: 1 100 meters of tunnels, 675 meters of which is immersed

- Products**
- DEVIflex™
  - DEVIreg™ 330



### Cold stores and concrete hardening, preventing frost damage to foundations and floors.

In cold stores (and ice stadiums) where the temperature constantly is between -20°C and -30°C cold will be emitted to the surroundings in spite of good insulation. This means that the floor will freeze as well as the soil below. The water in the soil expands which can lead to frost damage to the foundation / floor. This can be prevented by using DEVI heating cables.

| Products                       | Standard                  | Mechanical class * | Applications |                    |
|--------------------------------|---------------------------|--------------------|--------------|--------------------|
|                                |                           |                    | Cold stores  | Concrete hardening |
|                                |                           |                    | Page no.     |                    |
| Cables and Mats                |                           |                    |              |                    |
| DEVIbasic™ 10S                 | IEC60800:1992             | M2                 | 25           |                    |
| DEVIbasic™ 20S - 230 V & 400 V | IEC60800:1992             | C                  | 27           |                    |
| DEVIbasic™ Drum Goods          | IEC60800:1992             |                    | 29           |                    |
| DEVIflex™ 6T                   | IEC60800:2009             | M2                 | 20           |                    |
| DEVIflex™ 10T                  | IEC60800:2009             | M2                 | 21           |                    |
| DEVIflex™ 18T                  | IEC60800:2009             | M2                 | 23           |                    |
| DEVIsafe™ 20T - 230V           | IEC60800:2009             | M2                 | 57           |                    |
| DEVIsnow™ 20T - 230 V & 400 V  | IEC60800:2009             | M2                 | 59           |                    |
| DEVIsnow™ Drum Goods           | IEC60800:2009             |                    | 65           |                    |
| Thermostats                    |                           |                    |              |                    |
| DEVIreg™ 316                   | EN 60730-1 + EN 60730-2-9 |                    | 110          | 110                |
| DEVIreg™ 330 (-10 °C - +10 °C) | EN 60730-1 + EN 60730-2-9 |                    | 108          | 108                |
| DEVIreg™ 610                   | EN 60730-1 + EN 60730-2-9 |                    | 112          | 112                |
| DEVIreg™ Multi                 | EN 60730-1 + EN 60730-2-9 |                    | 113          | 113                |



## Other heating elements

| Products                     | Standard                                             | Applications     |
|------------------------------|------------------------------------------------------|------------------|
|                              |                                                      | Heating elements |
|                              |                                                      | Page no.         |
| Cables and Mats              |                                                      |                  |
| DEVltemp™ Fan Heater         | IEC60800:2009                                        | 119              |
| DEVltronic™                  | IEC 60335-1:2012 + IEC 60335-2-30:2009               | 120              |
| DEVltector™ II V2            | EN/IEC 61010-1 / EN/IEC 61010-2-030 / EN/IEC 61326-1 | 121              |
| DEVlfoil™ Mirror             | EN 60335-1 + EN 60335-2-30                           | 91               |
| DEVlheat™ 150S & Mirror 150S | IEC60335-1:2012 + IEC60335-2-9:2002                  | 41               |

### \* **Mechanical classes:**

**C** - in accordance to IEC 60800: 1992:

1. Tested with 2000 N of a applied force;
2. No high voltage breakdown between screen and heating conductor;
3. No crack in outer sheath.

**M1** - in accordance to IEC 60800: 2009:

1. Tested with 600 N of a applied force;
2. No high voltage breakdown between heating conductor and screen (Insulation intact);
3. Heating conductor not broken;
4. None of the screen wires are broken;
5. No crack in outer sheath (Outer sheath intact).

**M2** - in accordance to IEC 60800: 2009:

1. Tested with 1500 N of a applied force;
2. No high voltage breakdown between heating conductor and screen (Insulation intact);
3. Heating conductor not broken;
4. None of the screen wires are broken;
5. No crack in outer sheath (Outer sheath intact).

**MMM** - in accordance to NF-C 32-330: 2002:

1. Tested with 2000 N of a applied force;
2. Pulling strength is 1500 N;
3. No high voltage breakdown between heating conductor and screen (Insulation intact);
4. Heating conductor not broken;
5. No crack in outer sheath (Outer sheath intact).

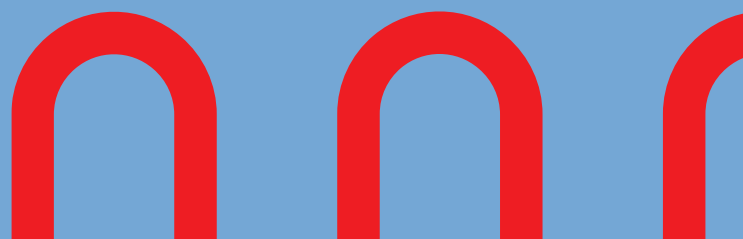
# DEVI products

## Data sheets

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# DEVIflex™ 6T



Make it easy,  
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Product  
is covered  
by EPD\*



DEVIflex™ is an extremely high-quality, 360° fully screened twin conductor cable with a tough outer sheath (non UV stable). Its round profile and robust construction ensures a fast, simple and

safe installation in multiple indoor floor constructions and pipe tracing applications.

Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption.

Due to the low specific output (W/m) this product can be successfully used for NZEB (Nearly Zero Energy Building) house applications.

The cold lead is an installation cable with solid conductors ensuring fast installation.

A clearly visible connection avoids accidentally installing the heated cable in the wall.

To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our full floor extended DEVIwarranty™.

\*An EPD is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

## Benefits:

- Fast and easy to install
- Multiple application options
- Safe and robust
- Long life-time
- Maximum protection

## Standard compliance:

- IEC60800:2009

## Compliance symbols:



| Type                                        | Value                                                                 |
|---------------------------------------------|-----------------------------------------------------------------------|
| Nominal voltage                             | 230 V~                                                                |
| Construction                                | Round, twin conductor with 360° screen, one cold lead                 |
| Output                                      | 6 W/m @ 230 V~                                                        |
| Max. permissible use temperature, powered   | 80 °C                                                                 |
| Max. permissible use temperature, unpowered | 90 °C                                                                 |
| Cable dimensions                            | Ø 6,9 mm                                                              |
| Deformation strength                        | 1500 N                                                                |
| Pulling strength                            | 400 N                                                                 |
| Conductor insulation                        | XLPE                                                                  |
| Outer sheath                                | PVC, red                                                              |
| Screen                                      | 100% coverage; alu-foil; 0,5 mm <sup>2</sup> tinned copper drain wire |
| Cold lead                                   | 2,3 m DTCL, 3G 1,5mm <sup>2</sup>                                     |
| Min. installation temperature               | -5 °C                                                                 |
| Bending Ø, min.                             | 5 cm                                                                  |
| IP Class                                    | IPX7                                                                  |

## Types: DEVIflex™ 6T



[Click to download - BIM model](#)

| Item no. | Cable length | Output @ 230 V~ | Resistance * | Cold lead               | EAN no.       |
|----------|--------------|-----------------|--------------|-------------------------|---------------|
| 140F1200 | 30 m         | 180 W           | 293,4 Ω      | 3 x 1,5 mm <sup>2</sup> | 5703466223369 |
| 140F1201 | 40 m         | 250 W           | 211,6 Ω      | 3 x 1,5 mm <sup>2</sup> | 5703466223376 |
| 140F1202 | 50 m         | 310 W           | 170,0 Ω      | 3 x 1,5 mm <sup>2</sup> | 5703466223383 |
| 140F1203 | 60 m         | 345 W           | 152,4 Ω      | 3 x 1,5 mm <sup>2</sup> | 5703466223390 |
| 140F1204 | 70 m         | 415 W           | 128,1 Ω      | 3 x 1,5 mm <sup>2</sup> | 5703466223406 |
| 140F1205 | 80 m         | 500 W           | 105,6 Ω      | 3 x 1,5 mm <sup>2</sup> | 5703466223413 |
| 140F1206 | 90 m         | 540 W           | 98,1 Ω       | 3 x 1,5 mm <sup>2</sup> | 5703466223420 |
| 140F1207 | 100 m        | 635 W           | 83,6 Ω       | 3 x 1,5 mm <sup>2</sup> | 5703466223437 |
| 140F1208 | 115 m        | 720 W           | 74,0 Ω       | 3 x 1,5 mm <sup>2</sup> | 5703466223444 |
| 140F1209 | 129 m        | 770 W           | 68,9 Ω       | 3 x 1,5 mm <sup>2</sup> | 5703466223451 |
| 140F1210 | 140 m        | 870 W           | 60,8 Ω       | 3 x 1,5 mm <sup>2</sup> | 5703466223468 |
| 140F1211 | 160 m        | 915 W           | 57,9 Ω       | 3 x 1,5 mm <sup>2</sup> | 5703466223475 |
| 140F1212 | 180 m        | 1095 W          | 48,2 Ω       | 3 x 1,5 mm <sup>2</sup> | 5703466223482 |
| 140F1213 | 190 m        | 1160 W          | 45,6 Ω       | 3 x 1,5 mm <sup>2</sup> | 5703466223499 |
| 140F1214 | 200 m        | 1260 W          | 42,0 Ω       | 3 x 1,5 mm <sup>2</sup> | 5703466223505 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled



# DEVIflex™ 10T



DEVIflex™ is an extremely high-quality, 360° fully screened twin conductor cable with a tough outer sheath (non

UV stable). Its round profile and robust construction ensures a fast, simple and safe installation in multiple indoor floor constructions and pipe tracing applications. Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption. The cold lead is an installation cable with solid conductors ensuring fast installation. A clearly visible connection

avoids accidentally installing the heated cable in the wall. To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our full floor extended DEVIwarranty™. \*An EPD is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

Benefits:

- Fast and easy to install
- Multiple application options
- Safe and robust
- Long life-time
- Maximum protection

Standard compliance:

- IEC60800:2009

Compliance symbols:



Types: DEVIflex™ 10T

| Item no. | Cable length | Output @ 230 V~ | Resistance * | Cold lead   | EAN no.       |
|----------|--------------|-----------------|--------------|-------------|---------------|
| 140F1215 | 2 m          | 20 W            | 2646,0 Ω     | 3 x 1,5 mm² | 5703466223512 |
| 140F1216 | 4 m          | 40 W            | 1324,0 Ω     | 3 x 1,5 mm² | 5703466223529 |
| 140F1217 | 6 m          | 60 W            | 882,0 Ω      | 3 x 1,5 mm² | 5703466223536 |
| 140F1218 | 8 m          | 80 W            | 660,8 Ω      | 3 x 1,5 mm² | 5703466223543 |
| 140F1219 | 10 m         | 100 W           | 529,0 Ω      | 3 x 1,5 mm² | 5703466223550 |
| 140F1407 | 14 m         | 140 W           | 403,5 Ω      | 3 x 1,5 mm² | 5703466227794 |
| 140F1220 | 20 m         | 205 W           | 260,0 Ω      | 3 x 1,5 mm² | 5703466223567 |
| 140F1408 | 25 m         | 241 W           | 219,5 Ω      | 3 x 1,5 mm² | 5703466227800 |
| 140F1221 | 30 m         | 290 W           | 183,0 Ω      | 3 x 1,5 mm² | 5703466223574 |
| 140F1409 | 35 m         | 365 W           | 145,0 Ω      | 3 x 1,5 mm² | 5703466227817 |
| 140F1222 | 40 m         | 390 W           | 136,0 Ω      | 3 x 1,5 mm² | 5703466223581 |
| 140F1223 | 50 m         | 505 W           | 105,0 Ω      | 3 x 1,5 mm² | 5703466223598 |
| 140F1224 | 60 m         | 600 W           | 88,2 Ω       | 3 x 1,5 mm² | 5703466223604 |
| 140F1225 | 70 m         | 695 W           | 76,3 Ω       | 3 x 1,5 mm² | 5703466223611 |
| 140F1226 | 80 m         | 790 W           | 66,9 Ω       | 3 x 1,5 mm² | 5703466223628 |

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Types: DEVIflex™ 10T

| Item no. | Cable length | Output @ 230 V~ | Resistance * | Cold lead   | EAN no.       |
|----------|--------------|-----------------|--------------|-------------|---------------|
| 140F1227 | 90 m         | 920 W           | 57,4 Ω       | 3 x 1,5 mm² | 5703466223635 |
| 140F1228 | 100 m        | 990 W           | 53,4 Ω       | 3 x 1,5 mm² | 5703466223642 |
| 140F1229 | 120 m        | 1220 W          | 43,4 Ω       | 3 x 1,5 mm² | 5703466223659 |
| 140F1230 | 140 m        | 1410 W          | 37,5 Ω       | 3 x 1,5 mm² | 5703466223666 |
| 140F1231 | 160 m        | 1575 W          | 33,6 Ω       | 3 x 1,5 mm² | 5703466223673 |
| 140F1232 | 180 m        | 1760 W          | 30,1 Ω       | 3 x 2,5 mm² | 5703466223680 |
| 140F1233 | 200 m        | 1990 W          | 26,6 Ω       | 3 x 2,5 mm² | 5703466223697 |
| 140F1234 | 210 m        | 2050 W          | 25,8 Ω       | 3 x 2,5 mm² | 5703466223703 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

# DEVIflex™ 18T



Make it easy,  
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DEVIflex™ is an extremely high-quality, 360° fully screened twin conductor cable with a tough outer sheath (non

UV stable). Its round profile and robust construction ensures a fast, simple and safe installation in multiple indoor floor constructions and pipe tracing applications. Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption. The cold lead is an installation cable with solid conductors ensuring fast installation. A clearly visible connection avoids

accidentally installing the heated cable in the wall. To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our full floor extended DEVIwarranty™. \*An EPD is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

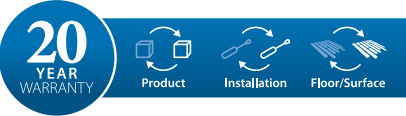
Benefits:

- Fast and easy to install
- Multiple application options
- Safe and robust
- Long life-time
- Maximum protection

Standard compliance:

- IEC60800:2009

Compliance symbols:



| Type                                        | Value                                                     |
|---------------------------------------------|-----------------------------------------------------------|
| Nominal voltage                             | 230 V~                                                    |
| Construction                                | Round, twin conductor with 360° screen, one cold lead     |
| Output                                      | 18 W/m @ 230 V~                                           |
| Max. permissible use temperature, powered   | 60 °C                                                     |
| Max. permissible use temperature, unpowered | 90 °C                                                     |
| Cable dimensions                            | Ø 6,9 mm                                                  |
| Deformation strength                        | 1500 N                                                    |
| Pulling strength                            | 400 N                                                     |
| Conductor insulation                        | XLPE                                                      |
| Outer sheath                                | PVC, red                                                  |
| Screen                                      | 100% coverage; alu-foil; 0,5 mm² tinned copper drain wire |
| Cold lead                                   | 2,3 m, DTCL, 3G (1,5 or 2,5)mm²                           |
| Min. installation temperature               | -5 °C                                                     |
| Bending Ø, min.                             | 5 cm                                                      |
| IP Class                                    | IPX7                                                      |

Types: DEVIflex™ 18T



| Item no. | Cable length | Output @ 230 V~ | Resistance * | Cold lead   | EAN no.       |
|----------|--------------|-----------------|--------------|-------------|---------------|
| 140F1235 | 7,3 m        | 130 W           | 410,3 Ω      | 3 x 1,5 mm² | 5703466223710 |
| 140F1236 | 10 m         | 180 W           | 294,0 Ω      | 3 x 1,5 mm² | 5703466223727 |
| 140F1400 | 12,8 m       | 230 W           | 230,4 Ω      | 3 x 1,5 mm² | 5703466226278 |
| 140F1237 | 15 m         | 270 W           | 195,0 Ω      | 3 x 1,5 mm² | 5703466223734 |
| 140F1401 | 17,5 m       | 310 W           | 171,2 Ω      | 3 x 1,5 mm² | 5703466226285 |
| 140F1238 | 22 m         | 395 W           | 134,2 Ω      | 3 x 1,5 mm² | 5703466223741 |
| 140F1239 | 29 m         | 535 W           | 98,6 Ω       | 3 x 1,5 mm² | 5703466223758 |
| 140F1240 | 34 m         | 615 W           | 86,4 Ω       | 3 x 1,5 mm² | 5703466223765 |
| 140F1241 | 37 m         | 680 W           | 77,7 Ω       | 3 x 1,5 mm² | 5703466223772 |
| 140F1242 | 44 m         | 820 W           | 64,7 Ω       | 3 x 1,5 mm² | 5703466223789 |
| 140F1243 | 52 m         | 935 W           | 56,7 Ω       | 3 x 1,5 mm² | 5703466223796 |
| 140F1410 | 54 m         | 1005 W          | 52,7 Ω       | 3 x 1,5 mm² | 5703466227992 |
| 140F1244 | 59 m         | 1075 W          | 49,3 Ω       | 3 x 1,5 mm² | 5703466223802 |
| 140F1245 | 68 m         | 1220 W          | 43,4 Ω       | 3 x 1,5 mm² | 5703466223819 |
| 140F1246 | 74 m         | 1340 W          | 39,5 Ω       | 3 x 1,5 mm² | 5703466223826 |

Types: DEVIflex™ 18T

| Item no. | Cable length | Output @ 230 V~ | Resistance * | Cold lead   | EAN no.       |
|----------|--------------|-----------------|--------------|-------------|---------------|
| 140F1247 | 82 m         | 1485 W          | 35,6 Ω       | 3 x 1,5 mm² | 5703466223833 |
| 140F1248 | 90 m         | 1625 W          | 32,6 Ω       | 3 x 1,5 mm² | 5703466223840 |
| 140F1249 | 105 m        | 1880 W          | 28,1 Ω       | 3 x 2,5 mm² | 5703466223857 |
| 140F1250 | 118 m        | 2135 W          | 24,8 Ω       | 3 x 2,5 mm² | 5703466223864 |
| 140F1251 | 131 m        | 2420 W          | 21,9 Ω       | 3 x 2,5 mm² | 5703466223871 |
| 140F1252 | 155 m        | 2775 W          | 19,1 Ω       | 3 x 2,5 mm² | 5703466223888 |
| 140F1402 | 170 m        | 3050 W          | 17,3 Ω       | 3 x 2,5 mm² | 5703466226292 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

# DEVIbasic™ 10S



DEVIbasic™ is a high-quality, braided screen, single conductor cable with a non UV stable outer sheath. Its round

profile and robust construction ensures a fast, simple and safe installation in multiple indoor, outdoor and pipe tracing applications. Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption. The two cold leads have clearly visible connections to avoid accidentally installing the heated cable in the wall.

To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our full floor extended DEVIwarranty™. **\*An EPD** is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

**Benefits:**

- Easy to install
- Multiple application options
- Safe and robust
- Long life-time

**Standard compliance:**

- IEC60800:1992

**Compliance symbols:**

20  
YEAR  
WARRANTY

| Type                                        | Value                                                        |
|---------------------------------------------|--------------------------------------------------------------|
| Nominal voltage                             | 230 V~                                                       |
| Construction                                | Round, single conductor with screen, 2 x cold lead           |
| Output                                      | 10 W/m @ 230 V~                                              |
| Max. permissible use temperature, powered   | 75 °C                                                        |
| Max. permissible use temperature, unpowered | 90 °C                                                        |
| Cable dimensions                            | Ø 5,5 mm                                                     |
| Deformation strength                        | 600 N                                                        |
| Pulling strength                            | 120 N                                                        |
| Conductor insulation                        | XLPE                                                         |
| Outer sheath                                | PVC                                                          |
| Screen                                      | 16 x 0,3 mm Cu (1 mm <sup>2</sup> )                          |
| Cold lead                                   | 2 x 3 m DSWA, ( 4 , 2,5 or 1,5 mm <sup>2</sup> ) with screen |
| Min. installation temperature               | -5 °C                                                        |
| Bending Ø, min.                             | 5 cm                                                         |
| IP Class                                    | IPX7                                                         |

Types: DEVIbasic™ 10S

[Click to download - BIM model](#)

| Item no. | Cable length | Output @ 230 V~ | Resistance * | Cold lead               | EAN no.       |
|----------|--------------|-----------------|--------------|-------------------------|---------------|
| 84001500 | 21 m         | 200 W           | 262,0 Ω      | 1 x 1,5 mm <sup>2</sup> | 5703466118931 |
| 84001505 | 26 m         | 270 W           | 197,6 Ω      | 1 x 1,5 mm <sup>2</sup> | 5703466118948 |
| 84001510 | 30 m         | 300 W           | 176,9 Ω      | 1 x 1,5 mm <sup>2</sup> | 5703466118955 |
| 84001515 | 37 m         | 375 W           | 140,7 Ω      | 1 x 1,5 mm <sup>2</sup> | 5703466118962 |
| 84001520 | 46 m         | 445 W           | 118,7 Ω      | 1 x 1,5 mm <sup>2</sup> | 5703466118979 |
| 84001525 | 50 m         | 500 W           | 105,5 Ω      | 1 x 1,5 mm <sup>2</sup> | 5703466118986 |
| 84001530 | 58 m         | 570 W           | 92,8 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466118993 |
| 84001535 | 66 m         | 670 W           | 79,2 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466119006 |
| 84001540 | 77 m         | 765 W           | 69,3 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466119013 |
| 84001545 | 90 m         | 905 W           | 58,5 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466119020 |
| 84001550 | 103 m        | 1025 W          | 51,5 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466119037 |
| 84001555 | 114 m        | 1130 W          | 46,7 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466119044 |
| 84001560 | 125 m        | 1245 W          | 42,5 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466119051 |
| 84001565 | 140 m        | 1400 W          | 37,8 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466119068 |
| 84001570 | 159 m        | 1585 W          | 33,4 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466119075 |

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Types: DEVIbasic™ 10S

| Item no. | Cable length | Output @ 230 V~ | Resistance * | Cold lead               | EAN no.       |
|----------|--------------|-----------------|--------------|-------------------------|---------------|
| 84001575 | 170 m        | 1710 W          | 30,9 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466119082 |
| 84001580 | 185 m        | 1870 W          | 28,3 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466119099 |
| 84001585 | 230 m        | 2300 W          | 23,0 Ω       | 1 x 2,5 mm <sup>2</sup> | 5703466119105 |
| 84001590 | 275 m        | 2750 W          | 19,3 Ω       | 1 x 2,5 mm <sup>2</sup> | 5703466119112 |
| 84001595 | 320 m        | 3255 W          | 16,3 Ω       | 1 x 4,0 mm <sup>2</sup> | 5703466119129 |
| 84001600 | 407 m        | 4060 W          | 13,0 Ω       | 1 x 4,0 mm <sup>2</sup> | 5703466119136 |

*\*The ohmic resistance must be within -5 to +10 % of the value labeled*



DEVIbasic™ 20S - 230 V & 400 V

DEVI

by Danfoss

Make it easy,  
make it DEVI



DEVIbasic™ is a high-quality, braided screen, single conductor cable with a non UV stable outer sheath. Its round

profile and robust construction ensures a fast, simple and safe installation in multiple indoor, outdoor and pipe tracing applications. Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption. The two cold leads have clearly visible connections to avoid accidentally installing the heated cable in the wall.

To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our full floor extended DEVIwarranty™. **\*An EPD** is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

**Benefits:**

- Easy to install
- Multiple application options
- Safe and robust
- Long life-time

**Standard compliance:**

- IEC60800:1992

**Compliance symbols:**

20  
YEAR  
WARRANTY

| Type                                        | Value                                                       |
|---------------------------------------------|-------------------------------------------------------------|
| Nominal voltage                             | 230 and 400 V~                                              |
| Construction                                | Round, single conductor with screen, 2 x cold lead          |
| Output                                      | 20 W/m                                                      |
| Max. permissible use temperature, powered   | 60 °C                                                       |
| Max. permissible use temperature, unpowered | 90 °C                                                       |
| Cable dimensions                            | Ø 5,5 mm                                                    |
| Deformation strength                        | 600 N                                                       |
| Pulling strength                            | 120 N                                                       |
| Conductor insulation                        | XLPE                                                        |
| Outer sheath                                | PVC                                                         |
| Screen                                      | 16 x 0,3 mm Cu (1 mm <sup>2</sup> )                         |
| Cold lead                                   | 2 x 3 m DSWA, (4 , 2,5 or 1,5 mm <sup>2</sup> ) with screen |
| Min. installation temperature               | -5 °C                                                       |
| Bending Ø, min.                             | 5 cm                                                        |
| IP Class                                    | IPX7                                                        |

Types: DEVIbasic™ 20S - 230 V

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| Item no. | Cable length | Output @ 230V~ | Resistance * | Cold lead               | EAN no.       |
|----------|--------------|----------------|--------------|-------------------------|---------------|
| 140F0260 | 9 m          | 170 W          | 306,9 Ω      | 1 x 1,5 mm <sup>2</sup> | 5703466208939 |
| 140F0215 | 14 m         | 260 W          | 201,6 Ω      | 1 x 1,5 mm <sup>2</sup> | 5703466202289 |
| 140F0216 | 18 m         | 375 W          | 140,8 Ω      | 1 x 1,5 mm <sup>2</sup> | 5703466202296 |
| 140F0217 | 26 m         | 520 W          | 101,4 Ω      | 1 x 1,5 mm <sup>2</sup> | 5703466202302 |
| 140F0218 | 32 m         | 640 W          | 82,6 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466202319 |
| 140F0219 | 39 m         | 800 W          | 66,3 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466202326 |
| 140F0220 | 53 m         | 1070 W         | 49,4 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466202333 |
| 140F0221 | 63 m         | 1260 W         | 42,0 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466202340 |
| 140F0222 | 74 m         | 1465 W         | 36,1 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466202357 |
| 140F0223 | 91 m         | 1820 W         | 29,0 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466202364 |
| 140F0224 | 110 m        | 2215 W         | 23,9 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466202371 |
| 140F0225 | 131 m        | 2640 W         | 20,0 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466202388 |
| 140F0226 | 159 m        | 3170 W         | 16,7 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466202395 |
| 140F0227 | 192 m        | 3855 W         | 13,7 Ω       | 1 x 1,5 mm <sup>2</sup> | 5703466202401 |
| 140F0228 | 228 m        | 4565 W         | 11,6 Ω       | 1 x 4,0 mm <sup>2</sup> | 5703466202418 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

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Types: DEVIbasic™ 20S - 400 V

| Item no. | Cable length | Output @ 400V~ | Resistance * | Cold lead               | EAN no.       |
|----------|--------------|----------------|--------------|-------------------------|---------------|
| 140F0229 | 56 m         | 1115 W         | 143,7 Ω      | 2 x 1,5 mm <sup>2</sup> | 5703466202425 |
| 140F0230 | 69 m         | 1370 W         | 116,6 Ω      | 2 x 1,5 mm <sup>2</sup> | 5703466202432 |
| 140F0231 | 93 m         | 1850 W         | 86,5 Ω       | 2 x 1,5 mm <sup>2</sup> | 5703466202449 |
| 140F0232 | 128 m        | 2560 W         | 62,5 Ω       | 2 x 1,5 mm <sup>2</sup> | 5703466202456 |
| 140F0233 | 158 m        | 3175 W         | 50,4 Ω       | 2 x 1,5 mm <sup>2</sup> | 5703466202463 |
| 140F0234 | 192 m        | 3840 W         | 41,6 Ω       | 2 x 1,5 mm <sup>2</sup> | 5703466202470 |
| 140F0235 | 229 m        | 4565 W         | 35,0 Ω       | 2 x 1,5 mm <sup>2</sup> | 5703466202487 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

# DEVlbasic™ Drum Goods



Make it easy,  
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Product  
is covered  
by EPD\*



DEVlbasic™ is an high-quality, braided screen, single conductor cable with a

tough outer sheath (non UV stable). Its round profile and robust construction ensures a fast, simple and safe installation in multiple indoor, outdoor and pipe tracing applications.

Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption.

To ensure a long life-time, all cables

are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. DEVlbasic™ can be customized for the specific project, depending on voltage, required output, length of heating cable and length of cold leads.

\*An EPD is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.



**Note:** It is the full responsibility of the installer/designer to use proper cold lead dimensioned for the purpose and assembly sets that establish sufficient mechanical strength, flammability resistance and water tightness - and to design the heating unit with correct output for the specific application to avoid overheating of the cable or building materials.

## Benefits:

- Easy to install
- Multiple application options
- Safe and robust
- Long life-time

## Standard compliance:

- IEC60800:1992

## Compliance symbols:



| Type                                        | Value                               |
|---------------------------------------------|-------------------------------------|
| Nominal voltage, max                        | U <sub>o</sub> /U = 300/500 V~      |
| Construction                                | Round, single conductor with screen |
| Output, max                                 | 20 W/m                              |
| Max. permissible use temperature, powered   | 60 °C @ 20 W/m                      |
| Max. permissible use temperature, unpowered | 90 °C                               |
| Cable dimensions                            | Ø 5,5 mm                            |
| Deformation strength                        | 600 N                               |
| Pulling strength                            | 120 N                               |
| Conductor insulation                        | XLPE                                |
| Outer sheath                                | PVC                                 |
| Screen                                      | 16 x 0.3 mm Cu (1 mm <sup>2</sup> ) |
| Min. installation temperature               | -5 °C                               |
| Bending Ø, min.                             | 5 cm                                |
| IP Class                                    | IPX7                                |

## Types: DEVlbasic™ Drum Goods

| Item no. | Resistance | EAN no.       |
|----------|------------|---------------|
| 140F0165 | 0,0134 Ω/m | 5703466228593 |
| 140F0163 | 0,0320 Ω/m | 5703466228579 |
| 140F0168 | 0,0715 Ω/m | 5703466228623 |
| 140F0169 | 0,1050 Ω/m | 5703466228630 |
| 140F0170 | 0,1530 Ω/m | 5703466228647 |
| 140F0171 | 0,2170 Ω/m | 5703466228654 |
| 140F0195 | 0,2700 Ω/m | 5703466228890 |
| 140F0173 | 0,3190 Ω/m | 5703466228678 |
| 140F0189 | 0,3400 Ω/m | 5703466228838 |
| 140F0196 | 0,4100 Ω/m | 5703466228906 |
| 140F0174 | 0,4880 Ω/m | 5703466228685 |
| 140F0190 | 0,5000 Ω/m | 5703466228845 |
| 140F0164 | 0,6500 Ω/m | 5703466228586 |
| 140F0175 | 0,6660 Ω/m | 5703466228692 |
| 140F0191 | 0,9000 Ω/m | 5703466228852 |
| 140F0176 | 0,9340 Ω/m | 5703466228708 |
| 140F0177 | 1,1500 Ω/m | 5703466228715 |
| 140F0192 | 1,2000 Ω/m | 5703466228869 |
| 140F0193 | 1,6000 Ω/m | 5703466228876 |

| Item no. | Resistance  | EAN no.       |
|----------|-------------|---------------|
| 140F0178 | 1,7000 Ω/m  | 5703466228722 |
| 140F0194 | 2,5000 Ω/m  | 5703466228883 |
| 140F0179 | 2,5800 Ω/m  | 5703466228739 |
| 140F0197 | 3,8000 Ω/m  | 5703466228913 |
| 140F0180 | 3,9000 Ω/m  | 5703466228746 |
| 140F0181 | 5,0100 Ω/m  | 5703466228753 |
| 140F0198 | 5,9000 Ω/m  | 5703466228920 |
| 140F0182 | 7,8200 Ω/m  | 5703466228760 |
| 140F0183 | 12,9000 Ω/m | 5703466228777 |
| 140F0184 | 34,1000 Ω/m | 5703466228784 |

\*Max. length on a drum is 2000 m

# DEVlcomfort™ 10T



DEVlcomfort™ is an extremely high-quality, 360° fully screened twin conductor cable with a tough red PVC

outer sheath (non UV stable). Its round profile, robust construction and low height ensures a fast, simple and safe installation which is perfect for renovating existing floors. Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption. The cold lead is an installation cable with solid conductors ensuring fast installation. A clearly visible connection avoids

accidentally installing the heated cable in the wall. To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our full floor extended DEVIwarranty™. **\*An EPD** is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

**Benefits:**

- Fast and easy to install
- Low height
- Safe and robust
- Long life-time
- Maximum protection

**Standard compliance:**

- IEC 60800:2009

**Compliance symbols:**

20

YEAR

WARRANTY

Product

Installation

Floor/Surface

| Type                                       | Value                                                  |
|--------------------------------------------|--------------------------------------------------------|
| Nominal voltage                            | 230 V~                                                 |
| Construction                               | Round, twin conductor with 100% screen, one cold lead  |
| Output                                     | 10 W/m @ 230 V~                                        |
| Max. permissible use temperature, On / Off | 85 °C / 90 °C                                          |
| Cable thickness                            | 4 mm                                                   |
| Deformation strength                       | 600N                                                   |
| Pulling strength                           | 120N                                                   |
| Conductor insulation                       | FEP                                                    |
| Outer sheath                               | Lead free PVC                                          |
| Screen                                     | Alu-foil; 0,5 mm <sup>2</sup> tinned copper drain wire |
| Cold lead                                  | 4 m DTWB, 2 x 1,0 mm <sup>2</sup> , with screen        |
| Min. installation temperature              | -5 °C                                                  |
| Bending Ø, min.                            | 5 cm                                                   |
| IP Class                                   | IPX7                                                   |
| Set with double adhesive tape              | Double adhesive tape 25 mm x 50 m                      |
| Set with Flexpipe                          | Flexpipe, inner ø6,7 mm, outer ø10 mm, 2,5 m, Black    |

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Types set: DEVIcomfort™ 10T + Double adhesive tape + Flexpipe

| Item no. | Cable length | Output @ 230V~ | Resistance * | Cold lead               | EAN no.       |
|----------|--------------|----------------|--------------|-------------------------|---------------|
| 87101700 | 10 m         | 100 W          | 529,0 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466162750 |
| 87101702 | 20 m         | 200 W          | 264,0 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466162767 |
| 87101706 | 29 m         | 290 W          | 183,3 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466162774 |
| 87101708 | 41 m         | 410 W          | 129,7 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466162781 |
| 87101710 | 50 m         | 500 W          | 105,8 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466162798 |
| 87101712 | 58 m         | 580 W          | 90,9 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466162804 |
| 87101714 | 70 m         | 695 W          | 76,3 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466162811 |
| 87101716 | 81 m         | 810 W          | 65,2 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466162828 |
| 87101718 | 90 m         | 900 W          | 58,8 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466162835 |
| 87101720 | 99 m         | 990 W          | 53,3 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466162842 |
| 87101722 | 128 m        | 1280 W         | 41,4 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466162859 |
| 87101724 | 142 m        | 1420 W         | 37,3 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466162866 |
| 87101728 | 170 m        | 1710 W         | 30,9 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466162873 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

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Set: DEVIcomfort™ 10T + Flexpipe + Flexpipe transition KK1-E5 + Wire sensor 3 m + Hot glue sticks

| Item no. | Cable length | Output @ 230V~ | Resistance * | Cold lead               | EAN no.       |
|----------|--------------|----------------|--------------|-------------------------|---------------|
| 87101100 | 10 m         | 100 W          | 529,0 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466179871 |
| 87101102 | 20 m         | 264 W          | 264,5 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466179888 |
| 87101104 | 29 m         | 290 W          | 183,3 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466179895 |
| 87101106 | 41 m         | 410 W          | 129,7 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466179901 |
| 87101108 | 50 m         | 500 W          | 105,8 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466179918 |
| 87101110 | 58 m         | 580 W          | 90,9 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466179925 |
| 87101112 | 70 m         | 695 W          | 76,3 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466179932 |
| 87101114 | 81 m         | 810 W          | 65,2 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466179949 |
| 87101116 | 90 m         | 900 W          | 58,8 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466179956 |
| 87101118 | 99 m         | 990 W          | 53,3 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466179963 |
| 87101120 | 128 m        | 1280 W         | 41,4 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466179970 |
| 87101122 | 142 m        | 1420 W         | 37,3 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466179987 |
| 87101124 | 170 m        | 1710 W         | 30,9 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466179994 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

Types: set DEVIcomfort™ 10T + Flexpipe + Flexpipe transition KK1-E5 + DEVIreg™ Touch (140F1071, Polar White, contain Coin battery Manganese Lithium, manual: SE)

| Item no. | Cable length | Output @ 230V~ | Resistance * | Cold lead               | EAN no.       |
|----------|--------------|----------------|--------------|-------------------------|---------------|
| 140F0800 | 10 m         | 100 W          | 529,0 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466238806 |
| 140F0801 | 20 m         | 200 W          | 264,0 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466238813 |
| 140F0802 | 29 m         | 290 W          | 183,3 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466238820 |
| 140F0803 | 41 m         | 400 W          | 129,7 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466238837 |
| 140F0804 | 50 m         | 500 W          | 105,8 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466238844 |
| 140F0805 | 58 m         | 580 W          | 90,9 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466238851 |
| 140F0806 | 70 m         | 695 W          | 76,3 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466238868 |
| 140F0807 | 81 m         | 810 W          | 65,2 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466238875 |
| 140F0808 | 90 m         | 900 W          | 58,8 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466238882 |
| 140F0809 | 99 m         | 990 W          | 53,3 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466238899 |
| 140F0810 | 128 m        | 1280 W         | 41,4 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466238905 |
| 140F0811 | 142 m        | 1420 W         | 37,3 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466238912 |
| 140F0812 | 170 m        | 1710 W         | 30,9 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466238929 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled



# DEVI<sup>TM</sup> 70T



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Product  
is covered  
by **EPD\***



DEVI<sup>TM</sup> 70T is an extremely high-quality, 360° fully screened self-adhesive all-in-one mat with FEP insulated conductors and a red PVDF outer sheath

(non UV stable). The round profile, low height (only 3.5 mm) and robust construction ensures a fast, simple and safe installation perfect for renovating existing floors.

Heating mat must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption.

The cold lead is an installation cable with solid conductors ensuring fast installation. A clearly visible connection

avoids accidentally installing the heated cable in the wall.

To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our full floor extended DEVI<sup>TM</sup> warranty.

\*An EPD is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

## Benefits:

- Fast and easy to install
- Self-adhesive mesh
- Low height - only 3.5 mm
- Only one cold lead
- Long life-time
- Maximum protection

## Standard compliance:

- IEC 60335-1: 2012 (with amendments)
- IEC 60335-2-96: 2002 (with amendments)

## Compliance symbols:



| Type                                        | Value                                                                 |
|---------------------------------------------|-----------------------------------------------------------------------|
| Nominal voltage                             | 230 V~                                                                |
| Construction                                | Twin conductor with 360° screening, one cold lead                     |
| Output                                      | 70 W/m <sup>2</sup> @ 230 V~                                          |
| Max. permissible use temperature, powered   | 115 °C                                                                |
| Max. permissible use temperature, unpowered | 120 °C                                                                |
| Cable dimensions                            | 3,0 mm                                                                |
| Deformation strength                        | 600 N                                                                 |
| Pulling strength                            | 120 N                                                                 |
| Conductor insulation                        | FEP                                                                   |
| Outer sheath                                | PVDF                                                                  |
| Screen                                      | 100% coverage; alu-foil; 0,5 mm <sup>2</sup> tinned copper drain wire |
| Cold lead                                   | 4 m DTWB, 2 x 1 mm <sup>2</sup> with screen                           |
| Min. installation temperature               | -5 °C                                                                 |
| Bending Ø, min.                             | 5 cm                                                                  |
| IP Class                                    | IPX7                                                                  |



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## Types: DEVI<sup>TM</sup> 70T

| Item no. | Heated area         | Dimensions (W x L) | Output @ 230V~ | Resistance * | Cold lead               | EAN no.       |
|----------|---------------------|--------------------|----------------|--------------|-------------------------|---------------|
| 140F1730 | 3,0 m <sup>2</sup>  | 0,5 x 6,0 m        | 210 W          | 254,7 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466247471 |
| 140F1731 | 5,0 m <sup>2</sup>  | 0,5 x 10,0 m       | 365 W          | 145,6 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466247488 |
| 140F1732 | 7,2 m <sup>2</sup>  | 0,5 x 14,4 m       | 505 W          | 105,0 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466247495 |
| 140F1733 | 8,7 m <sup>2</sup>  | 0,5 x 17,5 m       | 615 W          | 85,9 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466247501 |
| 140F1734 | 11,7 m <sup>2</sup> | 0,5 x 23,8 m       | 840 W          | 62,9 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466247518 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

# DEVI<sup>™</sup> 100T



Make it easy,  
make it DEVI



DEVI<sup>™</sup>mat is an extremely high-quality, 360° fully screened self-adhesive all-in-one mat with FEP insulated conductors

Benefits:

- Fast and easy to install
- Self-adhesive mesh
- Low height - only 3.5 mm
- Only one cold lead
- Long life-time
- Maximum protection

Standard compliance:

- IEC 60335-1: 2012 (with amendments)
- IEC 60335-2-96: 2002 (with amendments)

Compliance symbols:



and a red PVDF outer sheath (non UV stable). The round profile, low height (only 3.5 mm) and robust construction ensures a fast, simple and safe installation perfect for renovating existing floors. Heating mat must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption. The cold lead is an installation cable with solid conductors ensuring fast installation. A clearly visible connection avoids acciden-

tally installing the heated cable in the wall. To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our full floor extended DEVI<sup>™</sup>warranty. \*An EPD is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

| Type                                        | Value                                                                 |
|---------------------------------------------|-----------------------------------------------------------------------|
| Nominal voltage                             | 230 V~                                                                |
| Construction                                | Twin conductor with 360° screening, one cold lead                     |
| Output                                      | 100 W/m <sup>2</sup> @ 230 V~                                         |
| Max. permissible use temperature, powered   | 115 °C                                                                |
| Max. permissible use temperature, unpowered | 120 °C                                                                |
| Cable dimensions                            | 3,0 mm                                                                |
| Deformation strength                        | 600 N                                                                 |
| Pulling strength                            | 120 N                                                                 |
| Conductor insulation                        | FEP                                                                   |
| Outer sheath                                | PVDF                                                                  |
| Screen                                      | 100% coverage; alu-foil; 0,5 mm <sup>2</sup> tinned copper drain wire |
| Cold lead                                   | 4 m DTWB, 2 x 1 mm <sup>2</sup> with screen                           |
| Min. installation temperature               | -5 °C                                                                 |
| Bending Ø, min.                             | 5 cm                                                                  |
| IP Class                                    | IPX7                                                                  |
| Set with Flexpipe                           | Flexpipe, inner ø6,7 mm, outer ø10 mm, 2,5 m, Black                   |

Types: set DEVI<sup>™</sup>mat 100T + Flexpipe



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| Item no.  | Heated area         | Dimensions (W x L) | Output @ 230V~ | Resistance ** | Cold lead               | EAN no.       |
|-----------|---------------------|--------------------|----------------|---------------|-------------------------|---------------|
| 140F0400* | 0,5 m <sup>2</sup>  | 0,5 x 1 m          | 50 W           | 1109,5 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466202913 |
| 140F0415  | 1,0 m <sup>2</sup>  | 0,5 x 2 m          | 100 W          | 542,5 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466203064 |
| 140F0416  | 1,5 m <sup>2</sup>  | 0,5 x 3 m          | 150 W          | 358,1 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466203071 |
| 140F0417  | 2,0 m <sup>2</sup>  | 0,5 x 4 m          | 200 W          | 267,0 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466203088 |
| 140F0418  | 2,5 m <sup>2</sup>  | 0,5 x 5 m          | 250 W          | 213,6 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466203095 |
| 140F0419  | 3,0 m <sup>2</sup>  | 0,5 x 6 m          | 300 W          | 177,8 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466203101 |
| 140F0420  | 3,5 m <sup>2</sup>  | 0,5 x 7 m          | 350 W          | 1520 Ω        | 2 x 1,0 mm <sup>2</sup> | 5703466203118 |
| 140F0421  | 4,0 m <sup>2</sup>  | 0,5 x 8 m          | 400 W          | 132,9 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466203125 |
| 140F0422  | 5,0 m <sup>2</sup>  | 0,5 x 10 m         | 500 W          | 106,1 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466203132 |
| 140F0423  | 6,0 m <sup>2</sup>  | 0,5 x 12 m         | 600 W          | 88,4 Ω        | 2 x 1,0 mm <sup>2</sup> | 5703466203149 |
| 140F0424  | 7,0 m <sup>2</sup>  | 0,5 x 14 m         | 700 W          | 75,8 Ω        | 2 x 1,0 mm <sup>2</sup> | 5703466203156 |
| 140F0425  | 8,0 m <sup>2</sup>  | 0,5 x 16 m         | 800 W          | 66,3 Ω        | 2 x 1,0 mm <sup>2</sup> | 5703466203163 |
| 140F0426  | 9,0 m <sup>2</sup>  | 0,5 x 18 m         | 900 W          | 58,9 Ω        | 2 x 1,0 mm <sup>2</sup> | 5703466203170 |
| 140F0427  | 10,0 m <sup>2</sup> | 0,5 x 20 m         | 1000 W         | 530,0 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466203187 |
| 140F0428  | 12,0 m <sup>2</sup> | 0,5 x 24 m         | 1200 W         | 44,0 Ω        | 2 x 1,0 mm <sup>2</sup> | 5703466203194 |

\*Set without flexpipe  
\*\*The ohmic resistance must be within -5 to +10 % of the value labeled

Types: set DEVI<sup>™</sup>mat 100T + Flexpipe + DEVI<sup>™</sup>reg Smart (140F1140, Polar White, contain Coin battery Manganese Lithium, manual: DE, FI, NO, SE)

| Item no. | Heated area         | Dimensions (W x L) | Output @ 230V~ | Resistance * | Cold lead               | EAN no.       |
|----------|---------------------|--------------------|----------------|--------------|-------------------------|---------------|
| 140F1665 | 1,0 m <sup>2</sup>  | 0,5 x 2 m          | 100 W          | 529,0 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466240144 |
| 140F1666 | 1,5 m <sup>2</sup>  | 0,5 x 3 m          | 150 W          | 353,0 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466240151 |
| 140F1667 | 2,0 m <sup>2</sup>  | 0,5 x 4 m          | 200 W          | 265,0 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466240168 |
| 140F1668 | 2,5 m <sup>2</sup>  | 0,5 x 5 m          | 250 W          | 212,0 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466240175 |
| 140F1669 | 3,0 m <sup>2</sup>  | 0,5 x 6 m          | 300 W          | 176,0 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466240182 |
| 140F1670 | 3,5 m <sup>2</sup>  | 0,5 x 7 m          | 350 W          | 151,0 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466240199 |
| 140F1671 | 4,0 m <sup>2</sup>  | 0,5 x 8 m          | 400 W          | 132,0 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466240205 |
| 140F1672 | 5,0 m <sup>2</sup>  | 0,5 x 10 m         | 500 W          | 106,0 Ω      | 2 x 1,0 mm <sup>2</sup> | 5703466240212 |
| 140F1673 | 6,0 m <sup>2</sup>  | 0,5 x 12 m         | 600 W          | 88,0 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466240229 |
| 140F1674 | 7,0 m <sup>2</sup>  | 0,5 x 14 m         | 700 W          | 76,0 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466240236 |
| 140F1675 | 8,0 m <sup>2</sup>  | 0,5 x 16 m         | 800 W          | 66,0 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466240243 |
| 140F1676 | 9,0 m <sup>2</sup>  | 0,5 x 18 m         | 900 W          | 59,0 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466240250 |
| 140F1677 | 10,0 m <sup>2</sup> | 0,5 x 20 m         | 1000 W         | 53,0 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466240267 |
| 140F1678 | 12,0 m <sup>2</sup> | 0,5 x 24 m         | 1200 W         | 44,0 Ω       | 2 x 1,0 mm <sup>2</sup> | 5703466240274 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

# DEVImat™ 150T



Make it easy,  
**make it DEVI**



DEVImat™ is an extremely high-quality, 360° fully screened self-adhesive all-in-one mat with FEP insulated conductors and a red PVDF outer sheath (non UV

## Benefits:

- Fast and easy to install
- Self-adhesive mesh
- Low height - only 3.5 mm
- Only one cold lead
- Long life-time
- Maximum protection

### Standard compliance:

- IEC 60335-1: 2012 (with amendments)
- IEC 60335-2-96: 2002 (with amendments)

### Compliance symbols:



stable). The round profile, low height (only 3.5 mm) and robust construction ensures a fast, simple and safe installation perfect for renovating existing floors.

Heating mat must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption.

The cold lead is an installation cable with solid conductors ensuring fast installation. A clearly visible connection avoids

accidentally installing the heated cable in the wall.

To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our full floor extended DEVIwarranty™.

**\*An EPD** is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

| Type                                        | Value                                                     |
|---------------------------------------------|-----------------------------------------------------------|
| Nominal voltage                             | 230 V~                                                    |
| Construction                                | Twin conductor with 360° screening, one cold lead         |
| Output                                      | 150 W/m² @ 230 V~                                         |
| Max. permissible use temperature, powered   | 115 °C                                                    |
| Max. permissible use temperature, unpowered | 120 °C                                                    |
| Cable dimensions                            | 3,0 mm                                                    |
| Deformation strength                        | 600 N                                                     |
| Pulling strength                            | 120 N                                                     |
| Conductor insulation                        | FEP                                                       |
| Outer sheath                                | PVDF                                                      |
| Screen                                      | 100% coverage; alu-foil; 0,5 mm² tinned copper drain wire |
| Cold lead                                   | 4 m DTWB 2 x 1 mm² with screen                            |
| Min. installation temperature               | -5 °C                                                     |
| Bending Ø, min.                             | 5 cm                                                      |
| IP Class                                    | IPX7                                                      |
| Set with flexpipe                           | Flexpipe, inner ø6,7 mm, outer ø10 mm, 2,5 m, Black       |

### Types: set DEVImat™ 150T + Flexpipe



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| Item no. | Heated area | Dimensions (W x L) | Output @ 230V~ | Resistance * | Cold lead   | EAN no.       |
|----------|-------------|--------------------|----------------|--------------|-------------|---------------|
| 140F0444 | 0,5 m²      | 0,5 x 1 m          | 75 W           | 711,1 Ω      | 2 x 1,0 mm² | 5703466203354 |
| 140F0445 | 1,0 m²      | 0,5 x 2 m          | 150 W          | 356,4 Ω      | 2 x 1,0 mm² | 5703466203361 |
| 140F0446 | 1,5 m²      | 0,5 x 3 m          | 225 W          | 236,9 Ω      | 2 x 1,0 mm² | 5703466203378 |
| 140F0447 | 2,0 m²      | 0,5 x 4 m          | 300 W          | 176,6 Ω      | 2 x 1,0 mm² | 5703466203385 |
| 140F0448 | 2,5 m²      | 0,5 x 5 m          | 375 W          | 141,0 Ω      | 2 x 1,0 mm² | 5703466203392 |
| 140F0449 | 3,0 m²      | 0,5 x 6 m          | 450 W          | 118,0 Ω      | 2 x 1,0 mm² | 5703466203408 |
| 140F0450 | 3,5 m²      | 0,5 x 7 m          | 525 W          | 101,1 Ω      | 2 x 1,0 mm² | 5703466203415 |
| 140F0451 | 4,0 m²      | 0,5 x 8 m          | 600 W          | 88,5 Ω       | 2 x 1,0 mm² | 5703466203422 |
| 140F0452 | 5,0 m²      | 0,5 x 10 m         | 750 W          | 70,7 Ω       | 2 x 1,0 mm² | 5703466203439 |
| 140F0453 | 6,0 m²      | 0,5 x 12 m         | 900 W          | 58,8 Ω       | 2 x 1,0 mm² | 5703466203446 |
| 140F0454 | 7,0 m²      | 0,5 x 14 m         | 1050 W         | 50,5 Ω       | 2 x 1,0 mm² | 5703466203453 |
| 140F0455 | 8,0 m²      | 0,5 x 16 m         | 1200 W         | 44,2 Ω       | 2 x 1,0 mm² | 5703466203460 |
| 140F0456 | 9,0 m²      | 0,5 x 18 m         | 1350 W         | 40,0 Ω       | 2 x 1,0 mm² | 5703466203477 |
| 140F0457 | 10,0 m²     | 0,5 x 20 m         | 1500 W         | 35,0 Ω       | 2 x 1,0 mm² | 5703466203484 |
| 140F0458 | 12,0 m²     | 0,5 x 24 m         | 1800 W         | 30,0 Ω       | 2 x 1,0 mm² | 5703466203491 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

**Types: + DEVImat 150T + DEVIreg Display Connect**

[illegible]

**Types: set DEVImat™ 150T + Flexpipe + Flexpipe transition KK1-E5 + Syntetic nails +**

**DEVireg™ Touch (140F1071, Polar White, contain Coin battery Manganese Lithium, manual: DE, DK, LT)**

| Item no. | Heated area | Dimensions (W x L) | Output @ 230V~ | Resistance * | Cold lead   | EAN no.       |
|----------|-------------|--------------------|----------------|--------------|-------------|---------------|
| 140F0816 | 1,0 m²      | 0,5 x 2 m          | 150 W          | 356,4 Ω      | 2 x 1,0 mm² | 5703466216507 |
| 140F0817 | 1,5 m²      | 0,5 x 3 m          | 225 W          | 236,9 Ω      | 2 x 1,0 mm² | 5703466216514 |
| 140F0818 | 2,0 m²      | 0,5 x 4 m          | 300 W          | 176,6 Ω      | 2 x 1,0 mm² | 5703466216521 |
| 140F0819 | 2,5 m²      | 0,5 x 5 m          | 375 W          | 141,0 Ω      | 2 x 1,0 mm² | 5703466216538 |
| 140F0820 | 3,0 m²      | 0,5 x 6 m          | 450 W          | 118,0 Ω      | 2 x 1,0 mm² | 5703466216545 |
| 140F0821 | 3,5 m²      | 0,5 x 7 m          | 525 W          | 101,1 Ω      | 2 x 1,0 mm² | 5703466216552 |
| 140F0822 | 4,0 m²      | 0,5 x 8 m          | 600 W          | 88,5 Ω       | 2 x 1,0 mm² | 5703466216569 |
| 140F0823 | 5,0 m²      | 0,5 x 10 m         | 750 W          | 70,7 Ω       | 2 x 1,0 mm² | 5703466216576 |
| 140F0824 | 6,0 m²      | 0,5 x 12 m         | 900 W          | 58,8 Ω       | 2 x 1,0 mm² | 5703466216583 |
| 140F0825 | 7,0 m²      | 0,5 x 14 m         | 1050 W         | 50,5 Ω       | 2 x 1,0 mm² | 5703466216590 |
| 140F0826 | 8,0 m²      | 0,5 x 16 m         | 1200 W         | 44,2 Ω       | 2 x 1,0 mm² | 5703466216606 |
| 140F0827 | 9,0 m²      | 0,5 x 18 m         | 1350 W         | 40,0 Ω       | 2 x 1,0 mm² | 5703466216613 |
| 140F0828 | 10,0 m²     | 0,5 x 20 m         | 1500 W         | 35,0 Ω       | 2 x 1,0 mm² | 5703466240137 |

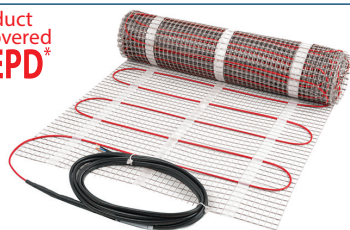
\*The ohmic resistance must be within -5 to +10 % of the value labeled

# DEVImat™ 200T



Make it easy,  
make it DEVI

Product  
is covered  
by **EPD\***



DEVImat™ is an extremely high-quality, 360° fully screened self-adhesive all-in-one mat with FEP insulated conductors and a red PVDF outer sheath (non UV

stable). The round profile, low height (only 3.5 mm) and robust construction ensures a fast, simple and safe installation perfect for renovating existing floors.

Heating mat must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption.

The cold lead is an installation cable with solid conductors ensuring fast installation. A clearly visible connection avoids

accidentally installing the heated cable in the wall.

To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our full floor extended DEVIwarranty™.

**\*An EPD** is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

## Benefits:

- Fast and easy to install
- Self-adhesive mesh
- Low height - only 3.5 mm
- Only one cold lead
- Long life-time
- Maximum protection

## Standard compliance:

- IEC 60335-1: 2012 (with amendments)
- IEC 60335-2-96: 2002 (with amendments)

## Compliance symbols:



Product



Installation



Floor/Surface

| Type                                        | Value                                                     |
|---------------------------------------------|-----------------------------------------------------------|
| Nominal voltage                             | 230 V~                                                    |
| Construction                                | Twin conductor with 360° screening, one cold lead         |
| Output                                      | 200 W/m² @ 230 V~                                         |
| Max. permissible use temperature, powered   | 115 °C                                                    |
| Max. permissible use temperature, unpowered | 120 °C                                                    |
| Cable dimensions                            | 3,0 mm                                                    |
| Deformation strength                        | 600 N                                                     |
| Pulling strength                            | 120 N                                                     |
| Conductor insulation                        | FEP                                                       |
| Outer sheath                                | PVDF                                                      |
| Screen                                      | 100% coverage; alu-foil; 0,5 mm² tinned copper drain wire |
| Cold lead                                   | 4 m DTWB 2 x 1 mm² with screen                            |
| Min. installation temperature               | -5 °C                                                     |
| Bending Ø, min.                             | 5 cm                                                      |
| IP Class                                    | IPX7                                                      |
| Set with flexpipe                           | Flexpipe, inner ø6,7 mm, outer ø10 mm, 2,5 m, Black       |

Types: set DEVImat™ 200T + Flexpipe



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| Item no. | Heated area | Dimensions (W x L) | Output @ 230V~ | Resistance * | Cold lead   | EAN no.       |
|----------|-------------|--------------------|----------------|--------------|-------------|---------------|
| 140F1735 | 0,45 m²     | 0,5 x 0,9 m        | 87 W           | 605,4 Ω      | 2 x 1,0 mm² | 5703466247525 |
| 83020736 | 1,05 m²     | 0,5 x 2,1 m        | 215 W          | 246,0 Ω      | 2 x 1,0 mm² | 5703466195994 |
| 83020737 | 1,45 m²     | 0,5 x 2,9 m        | 285 W          | 186,0 Ω      | 2 x 1,0 mm² | 5703466196007 |
| 83020738 | 2,1 m²      | 0,5 x 4,2 m        | 430 W          | 123,0 Ω      | 2 x 1,0 mm² | 5703466196014 |
| 83020739 | 2,5 m²      | 0,5 x 5,0 m        | 500 W          | 106,0 Ω      | 2 x 1,0 mm² | 5703466196021 |
| 83020740 | 3,1 m²      | 0,5 x 6,2 m        | 605 W          | 87,0 Ω       | 2 x 1,0 mm² | 5703466196038 |
| 140F1736 | 3,45 m²     | 0,5 x 6,9 m        | 695 W          | 75,9 Ω       | 2 x 1,0 mm² | 5703466196045 |
| 83020742 | 4,3 m²      | 0,5 x 8,6 m        | 845 W          | 62,5 Ω       | 2 x 1,0 mm² | 5703466196052 |
| 83020743 | 4,95 m²     | 0,5 x 9,9 m        | 990 W          | 53,0 Ω       | 2 x 1,0 mm² | 5703466196069 |
| 83020744 | 6,1 m²      | 0,5 x 12,2 m       | 1210 W         | 44,0 Ω       | 2 x 1,0 mm² | 5703466196076 |
| 140F1737 | 7,0 m²      | 0,5 x 14,0 m       | 1385 W         | 38 Ω         | 2 x 1,0 mm² | 5703466196083 |
| 140F1738 | 7,8 m²      | 0,5 x 15,6 m       | 1565 W         | 34 Ω         | 2 x 1,0 mm² | 5703466196090 |
| 140F1739 | 8,8 m²      | 0,5 x 17,6 m       | 1715 W         | 31 Ω         | 2 x 1,0 mm² | 5703466196106 |
| 83020748 | 10,5 m²     | 0,5 x 21,0 m       | 2070 W         | 26 Ω         | 2 x 1,0 mm² | 5703466196113 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled



# DEVIcomfort™ 100T



Make it easy,  
make it DEVI

Product  
is covered  
by EPD\*



DEVIcomfort™ is an extremely high-quality, 360° fully screened twin conductor self-adhesive all-in-one mat with a tough

red PVC outer sheath (non UV stable). Its round profile, robust construction and low height ensures a fast, simple and safe installation which is perfect for renovating existing floors.

Heating mat must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption.

The cold lead is an installation cable with solid conductors ensuring fast installation. A clearly visible connection avoids

accidentally installing the heated cable in the wall.

To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our full floor extended DEVIwarranty™.

\*An EPD is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

## Benefits:

- Fast and easy to install
- Self-adhesive mesh
- Low height
- Only one cold lead
- Long life-time
- Maximum protection

## Standard compliance:

- IEC 60335-1: 2012 (with amendments)
- IEC 60335-2-96: 2002 (with amendments)

## Compliance symbols:



Product



Installation



Floor/Surface

| Type                                        | Value                                                     |
|---------------------------------------------|-----------------------------------------------------------|
| Nominal voltage                             | 230 V~                                                    |
| Construction                                | Round, twin conductor with 360° screen, one cold lead     |
| Output                                      | 100 W/m² @ 230 V~                                         |
| Max. permissible use temperature, powered   | 85 °C                                                     |
| Max. permissible use temperature, unpowered | 90 °C                                                     |
| Cable thickness                             | 4 mm                                                      |
| Deformation strength                        | 600 N                                                     |
| Pulling strength                            | 120 N                                                     |
| Conductor insulation                        | FEP                                                       |
| Outer sheath                                | PVC                                                       |
| Screen                                      | 100% coverage; alu-foil; 0,5 mm² tinned copper drain wire |
| Cold lead                                   | 2,3 m DTWB, 2 x 1,0 mm², with screen                      |
| Min. installation temperature               | -5 °C                                                     |
| Bending Ø, min.                             | 5 cm                                                      |
| IP Class                                    | IPX7                                                      |
| Set with flexpipe                           | Flexpipe, inner ø6,7 mm, outer ø10 mm, 2,5 m, Black       |

Types: set DEVIcomfort™ 100T + Flexpipe

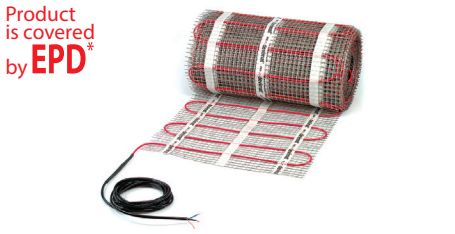


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| Item no. | Heated area | Dimensions (W x L) | Output @ 230V~ | Resistance * | Cold lead   | EAN no.       |
|----------|-------------|--------------------|----------------|--------------|-------------|---------------|
| 140F1740 | 0,5 m²      | 0,5 x 1 m          | 50 W           | 1058,0 Ω     | 2 x 1,0 mm² | 5703466247570 |
| 83030502 | 1,0 m²      | 0,5 x 2 m          | 100 W          | 529,0 Ω      | 2 x 1,0 mm² | 5703466162460 |
| 83030504 | 1,5 m²      | 0,5 x 3 m          | 150 W          | 352,0 Ω      | 2 x 1,0 mm² | 5703466162477 |
| 83030506 | 2,0 m²      | 0,5 x 4 m          | 200 W          | 264,0 Ω      | 2 x 1,0 mm² | 5703466162484 |
| 140F1741 | 2,5 m²      | 0,5 x 5 m          | 250 W          | 211,0 Ω      | 2 x 1,0 mm² | 5703466247587 |
| 83030510 | 3,0 m²      | 0,5 x 6 m          | 300 W          | 176,0 Ω      | 2 x 1,0 mm² | 5703466162507 |
| 83030512 | 3,5 m²      | 0,5 x 7 m          | 350 W          | 151,0 Ω      | 2 x 1,0 mm² | 5703466162514 |
| 83030514 | 4,0 m²      | 0,5 x 8 m          | 400 W          | 132,0 Ω      | 2 x 1,0 mm² | 5703466162521 |
| 83030516 | 5,0 m²      | 0,5 x 10 m         | 500 W          | 105,0 Ω      | 2 x 1,0 mm² | 5703466162538 |
| 83030518 | 6,0 m²      | 0,5 x 12 m         | 600 W          | 88,1 Ω       | 2 x 1,0 mm² | 5703466162545 |
| 140F1742 | 7,0 m²      | 0,5 x 14 m         | 700 W          | 75,5 Ω       | 2 x 1,0 mm² | 5703466247594 |
| 140F1743 | 8,0 m²      | 0,5 x 16 m         | 800 W          | 66,1 Ω       | 2 x 1,0 mm² | 5703466247600 |
| 83030524 | 9,0 m²      | 0,5 x 18 m         | 900 W          | 58,7 Ω       | 2 x 1,0 mm² | 5703466162576 |
| 83030526 | 10,0 m²     | 0,5 x 20 m         | 1000 W         | 52,9 Ω       | 2 x 1,0 mm² | 5703466162583 |
| 83030528 | 12,0 m²     | 0,5 x 24 m         | 1200 W         | 44,1 Ω       | 2 x 1,0 mm² | 5703466162590 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

# DEVIcomfort™ 150T



DEVIcomfort™ is an extremely high-quality, 360° fully screened twin conductor self-adhesive all-in-one mat

with a tough red PVC outer sheath (non UV stable). Its round profile, robust construction and low height ensures a fast, simple and safe installation which is perfect for renovating existing floors. Heating mat must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption. The cold lead is an installation cable with solid conductors ensuring fast installation. A clearly visible connection

avoids accidentally installing the heated cable in the wall. To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our full floor extended DEVIwarranty™. **\*An EPD** is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

**Benefits:**

- Fast and easy to install
- Self-adhesive mesh
- Low height
- Only one cold lead
- Long life-time
- Maximum protection

**Standard compliance:**

- IEC 60335-1: 2012 (with amendments)
- IEC 60335-2-96: 2002 (with amendments)

**Compliance symbols:**



| Type                                        | Value                                                     |
|---------------------------------------------|-----------------------------------------------------------|
| Nominal voltage                             | 230 V~                                                    |
| Construction                                | Round, twin conductor with 360° screen, one cold lead     |
| Output                                      | 150 W/m² @ 230 V~                                         |
| Max. permissible use temperature, powered   | 85 °C                                                     |
| Max. permissible use temperature, unpowered | 90 °C                                                     |
| Cable thickness                             | 4 mm                                                      |
| Deformation strength                        | 600 N                                                     |
| Pulling strength                            | 120 N                                                     |
| Conductor insulation                        | FEP                                                       |
| Outer sheath                                | PVC                                                       |
| Screen                                      | 100% coverage; alu-foil; 0,5 mm² tinned copper drain wire |
| Cold lead                                   | 2,3 m DTWB, 2 x 1,0 mm², with screen                      |
| Min. installation temperature               | -5 °C                                                     |
| Bending Ø, min.                             | 5 cm                                                      |
| IP Class                                    | IPX7                                                      |
| Set with flexpipe                           | Flexpipe, inner ø6,7 mm, outer ø10 mm, 2,5 m, Black       |

Types: set DEVIcomfort™ 150T + Flexpipe [Click to download - BIM model](#)

| Item no. | Heated area | Dimensions (W x L) | Output @ 230V~ | Resistance * | Cold lead   | EAN no.       |
|----------|-------------|--------------------|----------------|--------------|-------------|---------------|
| 83030560 | 0,5 m²      | 0,5 x 1 m          | 75 W           | 705,3 Ω      | 2 x 1,0 mm² | 5703466169322 |
| 83030562 | 1,0 m²      | 0,5 x 2 m          | 150 W          | 352,7 Ω      | 2 x 1,0 mm² | 5703466169339 |
| 140F1744 | 1,5 m²      | 0,5 x 3 m          | 225 W          | 235,1 Ω      | 2 x 1,0 mm² | 5703466247617 |
| 83030566 | 2,0 m²      | 0,5 x 4 m          | 300 W          | 176,3 Ω      | 2 x 1,0 mm² | 5703466169353 |
| 140F1745 | 2,5 m²      | 0,5 x 5 m          | 375 W          | 141,1 Ω      | 2 x 1,0 mm² | 5703466247624 |
| 83030570 | 3,0 m²      | 0,5 x 6 m          | 450 W          | 117,6 Ω      | 2 x 1,0 mm² | 5703466169377 |
| 83030572 | 3,5 m²      | 0,5 x 7 m          | 525 W          | 100,8 Ω      | 2 x 1,0 mm² | 5703466169384 |
| 83030574 | 4,0 m²      | 0,5 x 8 m          | 600 W          | 88,2 Ω       | 2 x 1,0 mm² | 5703466169391 |
| 83030576 | 5,0 m²      | 0,5 x 10 m         | 750 W          | 70,5 Ω       | 2 x 1,0 mm² | 5703466169407 |
| 83030578 | 6,0 m²      | 0,5 x 12 m         | 900 W          | 58,8 Ω       | 2 x 1,0 mm² | 5703466169414 |
| 83030580 | 7,0 m²      | 0,5 x 14 m         | 1050 W         | 50,4 Ω       | 2 x 1,0 mm² | 5703466169421 |
| 83030582 | 8,0 m²      | 0,5 x 16 m         | 1200 W         | 44,1 Ω       | 2 x 1,0 mm² | 5703466169438 |
| 83030584 | 9,0 m²      | 0,5 x 18 m         | 1350 W         | 39,2 Ω       | 2 x 1,0 mm² | 5703466169445 |
| 83030586 | 10,0 m²     | 0,5 x 20 m         | 1500 W         | 35,3 Ω       | 2 x 1,0 mm² | 5703466169452 |
| 83030588 | 12,0 m²     | 0,5 x 24 m         | 1800 W         | 29,4 Ω       | 2 x 1,0 mm² | 5703466169469 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

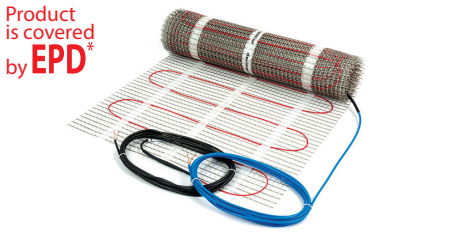
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Types: set DEVIcomfort™ 150T + Flexpipe + Syntetic nails + DEVIreg™ Opti (140F1055, Pure White, contain Coin battery Manganese Lithium, manual: DE, BG, SK, EE)

| Item no. | Heated area | Dimensions (W x L) | Output @ 230V~ | Resistance * | Cold lead   | EAN no.       |
|----------|-------------|--------------------|----------------|--------------|-------------|---------------|
| 140F1700 | 1,0 m²      | 0,5 x 2 m          | 150 W          | 352,7 Ω      | 2 x 1,0 mm² | 5703466243183 |
| 140F1701 | 1,5 m²      | 0,5 x 3 m          | 225 W          | 235,1 Ω      | 2 x 1,0 mm² | 5703466243190 |
| 140F1702 | 2,0 m²      | 0,5 x 4 m          | 300 W          | 176,3 Ω      | 2 x 1,0 mm² | 5703466243206 |
| 140F1703 | 2,5 m²      | 0,5 x 5 m          | 375 W          | 141,1 Ω      | 2 x 1,0 mm² | 5703466243213 |
| 140F1704 | 3,0 m²      | 0,5 x 6 m          | 450 W          | 117,6 Ω      | 2 x 1,0 mm² | 5703466243220 |
| 140F1705 | 3,5 m²      | 0,5 x 7 m          | 525 W          | 100,8 Ω      | 2 x 1,0 mm² | 5703466243237 |
| 140F1706 | 4,0 m²      | 0,5 x 8 m          | 600 W          | 88,2 Ω       | 2 x 1,0 mm² | 5703466243244 |
| 140F1707 | 5,0 m²      | 0,5 x 10 m         | 750 W          | 70,5 Ω       | 2 x 1,0 mm² | 5703466243251 |
| 140F1708 | 6,0 m²      | 0,5 x 12 m         | 900 W          | 58,8 Ω       | 2 x 1,0 mm² | 5703466243268 |
| 140F1709 | 7,0 m²      | 0,5 x 14 m         | 1050 W         | 50,4 Ω       | 2 x 1,0 mm² | 5703466243275 |
| 140F1710 | 8,0 m²      | 0,5 x 16 m         | 1200 W         | 44,1 Ω       | 2 x 1,0 mm² | 5703466243282 |
| 140F1711 | 9,0 m²      | 0,5 x 18 m         | 1350 W         | 39,2 Ω       | 2 x 1,0 mm² | 5703466243299 |
| 140F1712 | 10,0 m²     | 0,5 x 20 m         | 1500 W         | 35,3 Ω       | 2 x 1,0 mm² | 5703466243305 |
| 140F1713 | 12,0 m²     | 0,5 x 24 m         | 1800 W         | 29,4 Ω       | 2 x 1,0 mm² | 5703466243312 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

# DEVIheat™ 150S & Mirror 150S



DEVIheat™ is an high-quality, braided screen, self-adhesive all-in-one mat with FEP insulated conductors and a red PVDF outer sheath (non UV stable). The round

profile, very low height (only 2.5 mm) and robust construction ensures a fast, simple and safe installation perfect for renovat-ing existing floors. Heating mat must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption. DEVIheat™ Mirror 150S heating mat is used for keeping the bathroom mirror mist free by mounting the heating mat in the adhesive behind the mirror. The two cold leads have clearly visible

connections to avoid accidentally install-ing the heated cable in the wall. To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and ma-terial controls to ensure the quality. This means that we are proud to supply our full floor extended DEVIwarranty™. \*An EPD is a document used to com-municate transparently, the quantified environmental impacts of a product over its life cycle stages.

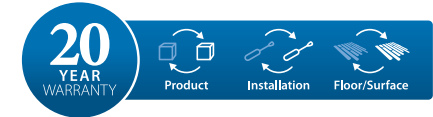
**Benefits:**

- Fast and easy to install
- Self-adhesive mesh
- Very low height - only 2.5 mm
- Long life-time

**Standard compliance:**

- IEC 60335-1: 2012 (with amendments)
- IEC 60335-2-96: 2002 (with amend-ments)

**Compliance symbols:**



| Type                                        | Value                                               |
|---------------------------------------------|-----------------------------------------------------|
| Nominal voltage                             | 230 V~                                              |
| Construction                                | Round, single conductor with screen, two cold leads |
| Output                                      | 150 W/m² @ 230 V~                                   |
| Max. permissible use temperature, powered   | 110 °C                                              |
| Max. permissible use temperature, unpowered | 120 °C                                              |
| Cable thickness                             | 2.5 mm                                              |
| Deformation strength                        | 600 N                                               |
| Pulling strength                            | 120 N                                               |
| Conductor insulation                        | FEP                                                 |
| Outer sheath                                | PVDF                                                |
| Screen                                      | 10 x CU threads                                     |
| Cold lead                                   | 2 x 3 m DSWB, 1 x 1,0 mm², with screen              |
| Min. installation temperature               | -5 °C                                               |
| Bending Ø, min.                             | 5 cm                                                |
| IP Class                                    | IPX7                                                |
| Set with flexpipe                           | Flexpipe, inner ø6,7 mm, outer ø10 mm, 2,5 m, Black |

Types: set DEVIheat™ 150S + Flexpipe

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| Item no. | Heated area | Dimensions (W x L) | Output @ 230V~ | Resistance * | Cold lead   | EAN no.       |
|----------|-------------|--------------------|----------------|--------------|-------------|---------------|
| 140F0328 | 0,5 m²      | 0,5 x 1 m          | 75 W           | 706,9 Ω      | 1 x 1,0 mm² | 5703466202777 |
| 140F0329 | 1,0 m²      | 0,5 x 2 m          | 150 W          | 352,8 Ω      | 1 x 1,0 mm² | 5703466202784 |
| 140F0330 | 1,5 m²      | 0,5 x 3 m          | 225 W          | 234,4 Ω      | 1 x 1,0 mm² | 5703466202791 |
| 140F0331 | 2,0 m²      | 0,5 x 4 m          | 300 W          | 176,4 Ω      | 1 x 1,0 mm² | 5703466202807 |
| 140F0332 | 2,5 m²      | 0,5 x 5 m          | 375 W          | 141,1 Ω      | 1 x 1,0 mm² | 5703466202814 |
| 140F0333 | 3,0 m²      | 0,5 x 6 m          | 450 W          | 117,4 Ω      | 1 x 1,0 mm² | 5703466202821 |
| 140F0334 | 3,5 m²      | 0,5 x 7 m          | 525 W          | 100,6 Ω      | 1 x 1,0 mm² | 5703466202838 |
| 140F0335 | 4,0 m²      | 0,5 x 8 m          | 600 W          | 88,0 Ω       | 1 x 1,0 mm² | 5703466202845 |
| 140F0336 | 5,0 m²      | 0,5 x 10 m         | 750 W          | 70,6 Ω       | 1 x 1,0 mm² | 5703466202852 |
| 140F0338 | 6,0 m²      | 0,5 x 12 m         | 900 W          | 58,7 Ω       | 1 x 1,0 mm² | 5703466202876 |
| 140F0339 | 7,0 m²      | 0,5 x 14 m         | 1050 W         | 50,0 Ω       | 1 x 1,0 mm² | 5703466202883 |
| 140F0340 | 8,0 m²      | 0,5 x 16 m         | 1200 W         | 44,0 Ω       | 1 x 1,0 mm² | 5703466202890 |
| 140F0337 | 9,0 m²      | 0,5 x 18 m         | 1350 W         | 39,1 Ω       | 1 x 1,0 mm² | 5703466202869 |
| 140F0341 | 10,0 m²     | 0,5 x 20 m         | 1500 W         | 35,0 Ω       | 1 x 1,0 mm² | 5703466202906 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

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## Types DEVIheat™ Mirror 150S

| Item no. | Heated area | Dimensions (W x L) | Output @ 230V~ | Resistance * | Cold lead   | EAN no.       |
|----------|-------------|--------------------|----------------|--------------|-------------|---------------|
| 83000301 | 0,35 m²     | 0,5 x 0,7 m        | 50 W           | 1009,8 Ω     | 1 x 1,0 mm² | 5703466083697 |
| 83000300 | 0,48 m²     | 0,6 x 0,8 m        | 75 W           | 686,1 Ω      | 1 x 1,0 mm² | 5703466056660 |

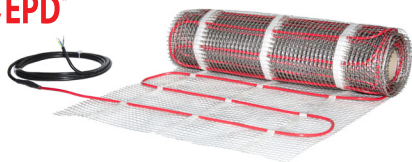
\*The ohmic resistance must be within -5 to +10 % of the value labeled

# DEVIflex™ 50T



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DEVIflex™ readymade heating mat is an extremely high-quality, 360° fully screened twin conductor cable with a tough outer sheath (not UV resistant) fixed on the plastic mesh. Its round profile

and robust construction ensures a fast, simple and safe installation in multiple indoor floor constructions.

Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption.

Heating mat is designed to be embedded in concrete or similar.

Cold lead connection point is protected from water ingress by a removable cap. The cold lead is an installation cable with solid conductors ensuring fast

installation. A clearly visible connection avoids accidentally installing the heated element in the wall.

To ensure a long life-time, all mats are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our full floor extended DEVI Warranty.

**\*An EPD** is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

## Benefits:

- Fast and easy to install
- Safe and robust
- Long life-time
- Maximum protection
- Multiple application options

## Standard compliance:

- IEC60800:2009

## Compliance symbols:



| Type                                        | Value                                                        |
|---------------------------------------------|--------------------------------------------------------------|
| Nominal voltage                             | 230 V~                                                       |
| Construction                                | Round, twin conductor with 360° screening, one cold lead     |
| Output                                      | 50 W/m² @ 230 V~                                             |
| Max. permissible use temperature, powered   | 60 °C                                                        |
| Max. permissible use temperature, unpowered | 90 °C                                                        |
| Cable thickness                             | 6,9 mm                                                       |
| Deformation strength                        | 1500 N                                                       |
| Pulling strength                            | 400 N                                                        |
| Conductor insulation                        | XLPE                                                         |
| Outer sheath                                | PVC, red                                                     |
| Screen                                      | 100% coverage; alu-foil;<br>0,5 mm² tinned copper drain wire |
| Cold lead                                   | 6 m DTCL, 3G 1,5mm²                                          |
| Min. installation temperature               | -5 °C                                                        |
| Bending Ø, min.                             | 5 cm                                                         |
| IP Class                                    | IPX7                                                         |

## Types: DEVIflex™ 50T



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| Item no. | Heated area | Dimensions (W x L) | Output @ 230V~ | Resistance | Cold lead   | EAN no.       |
|----------|-------------|--------------------|----------------|------------|-------------|---------------|
| 140F1420 | 2,3 m²      | 0,75 x 3 m         | 452,8 Ohm      | 115 W      | 3 x 1,5 mm² | 5703466252604 |
| 140F1421 | 3,4 m²      | 0,75 x 4,5 m       | 297,7 Ohm      | 180 W      | 3 x 1,5 mm² | 5703466252611 |
| 140F1422 | 5,2 m²      | 0,75 x 6,9 m       | 212,9 Ohm      | 250 W      | 3 x 1,5 mm² | 5703466252628 |
| 140F1423 | 6,8 m²      | 0,75 x 9 m         | 154,4 Ohm      | 345 W      | 3 x 1,5 mm² | 5703466252635 |
| 140F1424 | 8,8 m²      | 0,75 x 11,7 m      | 123,7 Ohm      | 430 W      | 3 x 1,5 mm² | 5703466252642 |
| 140F1425 | 10,4 m²     | 0,75 x 13,8 m      | 102,0 Ohm      | 520 W      | 3 x 1,5 mm² | 5703466252659 |
| 140F1426 | 11,9 m²     | 0,75 x 15,9 m      | 87,1 Ohm       | 605 W      | 3 x 1,5 mm² | 5703466252666 |
| 140F1427 | 13,7 m²     | 0,75 x 18,3 m      | 76,8 Ohm       | 690 W      | 3 x 1,5 mm² | 5703466252673 |
| 140F1428 | 17,1 m²     | 0,75 x 22,8 m      | 61,1 Ohm       | 865 W      | 3 x 1,5 mm² | 5703466252680 |
| 140F1429 | 19,8 m²     | 0,75 x 26,4 m      | 53,8 Ohm       | 985 W      | 3 x 1,5 mm² | 5703466252697 |
| 140F1430 | 23,0 m²     | 0,75 x 30,6 m      | 45,9 Ohm       | 1155 W     | 3 x 1,5 mm² | 5703466252703 |
| 140F1431 | 25,7 m²     | 0,75 x 34,2 m      | 41,1 Ohm       | 1285 W     | 3 x 1,5 mm² | 5703466252710 |

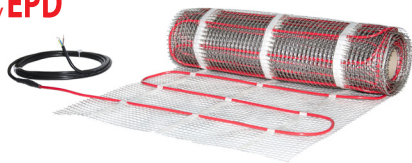


# DEVIflex™ 75T

**DEVI**   
by Danfoss

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DEVIflex™ readymade heating mat is an extremely high-quality, 360° fully screened twin conductor cable with a tough outer sheath (not UV resistant) fixed on the plastic mesh. Its round profile

and robust construction ensures a fast, simple and safe installation in multiple indoor floor constructions.

Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption.

Heating mat is designed to be embedded in concrete or similar.

Cold lead connection point is protected from water ingress by a removable cap.

The cold lead is an installation cable with solid conductors ensuring fast

installation. A clearly visible connection avoids accidentally installing the heated element in the wall.

To ensure a long life-time, all mats are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our full floor extended DEVI Warranty.

**\*An EPD** is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

## Benefits:

- Fast and easy to install
- Safe and robust
- Long life-time
- Maximum protection
- Multiple application options

## Standard compliance:

- IEC60800:2009

## Compliance symbols:



| Type                                        | Value                                                                 |
|---------------------------------------------|-----------------------------------------------------------------------|
| Nominal voltage                             | 230 V~                                                                |
| Construction                                | Round, twin conductor with 360° screening, one cold lead              |
| Output                                      | 75 W/m <sup>2</sup> @ 230 V~                                          |
| Max. permissible use temperature, powered   | 60 °C                                                                 |
| Max. permissible use temperature, unpowered | 90 °C                                                                 |
| Cable thickness                             | 6,9 mm                                                                |
| Deformation strength                        | 1500 N                                                                |
| Pulling strength                            | 400 N                                                                 |
| Conductor insulation                        | XLPE                                                                  |
| Outer sheath                                | PVC, red                                                              |
| Screen                                      | 100% coverage; alu-foil; 0,5 mm <sup>2</sup> tinned copper drain wire |
| Cold lead                                   | 6 m DTCL, 3G (1,5 or 2,5)mm <sup>2</sup>                              |
| Min. installation temperature               | -5 °C                                                                 |
| Bending Ø, min.                             | 5 cm                                                                  |
| IP Class                                    | IPX7                                                                  |



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## Types: DEVIflex™ 75T

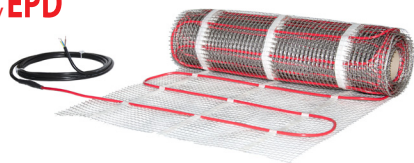
| Item no. | Heated area         | Dimensions (W x L) | Output @ 230V~ | Resistance | Cold lead               | EAN no.       |
|----------|---------------------|--------------------|----------------|------------|-------------------------|---------------|
| 140F1435 | 1,1 m <sup>2</sup>  | 0,75 x 1,5 m       | 80 W           | 652,5 Ohm  | 3 x 1,5 mm <sup>2</sup> | 5703466252727 |
| 140F1436 | 2,0 m <sup>2</sup>  | 0,75 x 2,7 m       | 140 W          | 373,9 Ohm  | 3 x 1,5 mm <sup>2</sup> | 5703466252734 |
| 140F1437 | 3,2 m <sup>2</sup>  | 0,75 x 4,2 m       | 255 W          | 209,3 Ohm  | 3 x 1,5 mm <sup>2</sup> | 5703466252741 |
| 140F1438 | 4,5 m <sup>2</sup>  | 0,75 x 6 m         | 330 W          | 160,8 Ohm  | 3 x 1,5 mm <sup>2</sup> | 5703466252758 |
| 140F1439 | 6,5 m <sup>2</sup>  | 0,75 x 8,7 m       | 475 W          | 111,5 Ohm  | 3 x 1,5 mm <sup>2</sup> | 5703466252765 |
| 140F1440 | 8,6 m <sup>2</sup>  | 0,75 x 11,4 m      | 625 W          | 84,4 Ohm   | 3 x 1,5 mm <sup>2</sup> | 5703466252772 |
| 140F1441 | 9,9 m <sup>2</sup>  | 0,75 x 13,2 m      | 730 W          | 72,4 Ohm   | 3 x 1,5 mm <sup>2</sup> | 5703466252789 |
| 140F1442 | 11,3 m <sup>2</sup> | 0,75 x 15 m        | 840 W          | 63,0 Ohm   | 3 x 1,5 mm <sup>2</sup> | 5703466252796 |
| 140F1443 | 14,0 m <sup>2</sup> | 0,75 x 18,6 m      | 1060 W         | 49,9 Ohm   | 3 x 1,5 mm <sup>2</sup> | 5703466252802 |
| 140F1444 | 15,5 m <sup>2</sup> | 0,75 x 20,7 m      | 1170 W         | 45,1 Ohm   | 3 x 1,5 mm <sup>2</sup> | 5703466252819 |
| 140F1445 | 16,2 m <sup>2</sup> | 0,75 x 21,6 m      | 1200 W         | 44,0 Ohm   | 3 x 1,5 mm <sup>2</sup> | 5703466252826 |
| 140F1446 | 18,7 m <sup>2</sup> | 0,75 x 24,9 m      | 1415 W         | 37,3 Ohm   | 3 x 1,5 mm <sup>2</sup> | 5703466252833 |
| 140F1447 | 20,9 m <sup>2</sup> | 0,75 x 27,9 m      | 1575 W         | 33,6 Ohm   | 3 x 1,5 mm <sup>2</sup> | 5703466252840 |
| 140F1448 | 25,2 m <sup>2</sup> | 0,75 x 33,6 m      | 1880 W         | 28,1 Ohm   | 3 x 2,5 mm <sup>2</sup> | 5703466252857 |
| 140F1449 | 29,3 m <sup>2</sup> | 0,75 x 39 m        | 2200 W         | 24,0 Ohm   | 3 x 2,5 mm <sup>2</sup> | 5703466252864 |

# DEVIflex™ 100T



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DEVIflex™ readymade heating mat is an extremely high-quality, 360° fully screened twin conductor cable with a tough outer sheath (not UV resistant) fixed on the plastic mesh. Its round profile

and robust construction ensures a fast, simple and safe installation in multiple indoor floor constructions.

Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption.

Heating mat is designed to be embedded in concrete or similar.

Cold lead connection point is protected from water ingress by a removable cap. The cold lead is an installation cable with solid conductors ensuring fast

installation. A clearly visible connection avoids accidentally installing the heated element in the wall.

To ensure a long life-time, all mats are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our full floor extended DEVI Warranty.

**\*An EPD** is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

## Benefits:

- Fast and easy to install
- Safe and robust
- Long life-time
- Maximum protection
- Multiple application options

## Standard compliance:

- IEC60800:2009

## Compliance symbols:



Product



Installation



Floor/Surface

| Type                                        | Value                                                        |
|---------------------------------------------|--------------------------------------------------------------|
| Nominal voltage                             | 230 V~                                                       |
| Construction                                | Round, twin conductor with 360° screening, one cold lead     |
| Output                                      | 100 W/m² @ 230 V~                                            |
| Max. permissible use temperature, powered   | 60 °C                                                        |
| Max. permissible use temperature, unpowered | 90 °C                                                        |
| Cable thickness                             | 6,9 mm                                                       |
| Deformation strength                        | 1500 N                                                       |
| Pulling strength                            | 400 N                                                        |
| Conductor insulation                        | XLPE                                                         |
| Outer sheath                                | PVC, red                                                     |
| Screen                                      | 100% coverage; alu-foil;<br>0,5 mm² tinned copper drain wire |
| Cold lead                                   | 6 m DTCL, 3G (1,5 or 2,5)mm²                                 |
| Min. installation temperature               | -5 °C                                                        |
| Bending Ø, min.                             | 5 cm                                                         |
| IP Class                                    | IPX7                                                         |



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## Types: DEVIflex™ 100T

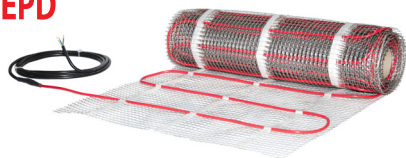
| Item no. | Heated area | Dimensions (W x L) | Output @ 230V~ | Resistance | Cold lead   | EAN no.       |
|----------|-------------|--------------------|----------------|------------|-------------|---------------|
| 140F1450 | 1,1 m²      | 0,75 x 1,5 m       | 120 W          | 444,0 Ohm  | 3 x 1,5 mm² | 5703466252871 |
| 140F1451 | 1,6 m²      | 0,75 x 2,1 m       | 165 W          | 320,5 Ohm  | 3 x 1,5 mm² | 5703466252888 |
| 140F1452 | 2,5 m²      | 0,75 x 3,3 m       | 240 W          | 219,7 Ohm  | 3 x 1,5 mm² | 5703466252895 |
| 140F1453 | 3,6 m²      | 0,75 x 4,8 m       | 355 W          | 148,8 Ohm  | 3 x 1,5 mm² | 5703466252901 |
| 140F1454 | 4,3 m²      | 0,75 x 5,7 m       | 445 W          | 119,4 Ohm  | 3 x 1,5 mm² | 5703466252918 |
| 140F1455 | 5,6 m²      | 0,75 x 7,5 m       | 550 W          | 96,3 Ohm   | 3 x 1,5 mm² | 5703466252925 |
| 140F1456 | 6,8 m²      | 0,75 x 8,7 m       | 660 W          | 80,3 Ohm   | 3 x 1,5 mm² | 5703466252932 |
| 140F1457 | 7,7 m²      | 0,75 x 10,2 m      | 780 W          | 67,8 Ohm   | 3 x 1,5 mm² | 5703466252949 |
| 140F1458 | 9,0 m²      | 0,75 x 12 m        | 895 W          | 59,0 Ohm   | 3 x 1,5 mm² | 5703466252956 |
| 140F1459 | 11,0 m²     | 0,75 x 14,7 m      | 1120 W         | 47,1 Ohm   | 3 x 1,5 mm² | 5703466252963 |
| 140F1460 | 12,2 m²     | 0,75 x 16,2 m      | 1215 W         | 43,5 Ohm   | 3 x 1,5 mm² | 5703466252970 |
| 140F1461 | 13,5 m²     | 0,75 x 18 m        | 1350 W         | 39,2 Ohm   | 3 x 1,5 mm² | 5703466252987 |
| 140F1462 | 14,9 m²     | 0,75 x 19,8 m      | 1470 W         | 36,0 Ohm   | 3 x 1,5 mm² | 5703466252994 |
| 140F1463 | 16,2 m²     | 0,75 x 21,6 m      | 1630 W         | 32,4 Ohm   | 3 x 1,5 mm² | 5703466253007 |
| 140F1464 | 18,2 m²     | 0,75 x 24,3 m      | 1810 W         | 29,3 Ohm   | 3 x 2,5 mm² | 5703466253014 |
| 140F1465 | 21,8 m²     | 0,75 x 29,1 m      | 2170 W         | 24,4 Ohm   | 3 x 2,5 mm² | 5703466253021 |
| 140F1466 | 24,3 m²     | 0,75 x 32,4 m      | 2450 W         | 21,6 Ohm   | 3 x 2,5 mm² | 5703466253038 |

# DEVIflex™ 150T



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DEVIflex™ readymade heating mat is an extremely high-quality, 360° fully screened twin conductor cable with a tough outer sheath (not UV resistant) fixed on the plastic mesh. Its round profile

and robust construction ensures a fast, simple and safe installation in multiple indoor floor constructions.

Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption.

Heating mat is designed to be embedded in concrete or similar.

Cold lead connection point is protected from water ingress by a removable cap. The cold lead is an installation cable with solid conductors ensuring fast

installation. A clearly visible connection avoids accidentally installing the heated element in the wall.

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## Benefits:

- Fast and easy to install
- Safe and robust
- Long life-time
- Maximum protection
- Multiple application options

## Standard compliance:

- IEC60800:2009

## Compliance symbols:



| Type                                        | Value                                                                 |
|---------------------------------------------|-----------------------------------------------------------------------|
| Nominal voltage                             | 230 V~                                                                |
| Construction                                | Round, twin conductor with 360° screening, one cold lead              |
| Output                                      | 150 W/m <sup>2</sup> @ 230 V~                                         |
| Max. permissible use temperature, powered   | 60 °C                                                                 |
| Max. permissible use temperature, unpowered | 90 °C                                                                 |
| Cable thickness                             | 6,9 mm                                                                |
| Deformation strength                        | 1500 N                                                                |
| Pulling strength                            | 400 N                                                                 |
| Conductor insulation                        | XLPE                                                                  |
| Outer sheath                                | PVC, red                                                              |
| Screen                                      | 100% coverage; alu-foil; 0,5 mm <sup>2</sup> tinned copper drain wire |
| Cold lead                                   | 6 m DTCL, 3G (1,5 or 2,5)mm <sup>2</sup>                              |
| Min. installation temperature               | -5 °C                                                                 |
| Bending Ø, min.                             | 5 cm                                                                  |
| IP Class                                    | IPX7                                                                  |

## Types: DEVIflex™ 150T



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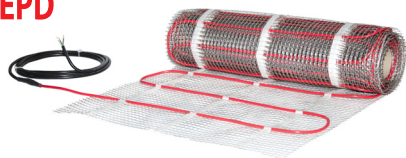
| Item no. | Heated area         | Dimensions (W x L) | Output @ 230V~ | Resistance | Cold lead               | EAN no.       |
|----------|---------------------|--------------------|----------------|------------|-------------------------|---------------|
| 140F1470 | 2,0 m <sup>2</sup>  | 0,75 x 2,6 m       | 300 W          | 175,6 Ohm  | 3 x 1,5 mm <sup>2</sup> | 5703466253045 |
| 140F1471 | 2,9 m <sup>2</sup>  | 0,75 x 3,8 m       | 440 W          | 119,8 Ohm  | 3 x 1,5 mm <sup>2</sup> | 5703466253052 |
| 140F1472 | 4,1 m <sup>2</sup>  | 0,75 x 5,4 m       | 615 W          | 86,1 Ohm   | 3 x 1,5 mm <sup>2</sup> | 5703466253069 |
| 140F1473 | 4,8 m <sup>2</sup>  | 0,75 x 6,4 m       | 740 W          | 71,3 Ohm   | 3 x 1,5 mm <sup>2</sup> | 5703466253076 |
| 140F1474 | 7,4 m <sup>2</sup>  | 0,75 x 9,8 m       | 1120 W         | 47,2 Ohm   | 3 x 1,5 mm <sup>2</sup> | 5703466253083 |
| 140F1475 | 9,9 m <sup>2</sup>  | 0,75 x 13,2 m      | 1470 W         | 36,0 Ohm   | 3 x 1,5 mm <sup>2</sup> | 5703466253090 |
| 140F1476 | 12,2 m <sup>2</sup> | 0,75 x 16,2 m      | 1805 W         | 29,3 Ohm   | 3 x 2,5 mm <sup>2</sup> | 5703466253106 |

# DEVIflex™ 175T



Make it easy,  
make it DEVI

Product  
is covered  
by **EPD\***



DEVIflex™ readymade heating mat is an extremely high-quality, 360° fully screened twin conductor cable with a tough outer sheath (not UV resistant) fixed on the plastic mesh. Its round profile

and robust construction ensures a fast, simple and safe installation in multiple indoor floor constructions.

Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption.

Heating mat is designed to be embedded in concrete or similar.

Cold lead connection point is protected from water ingress by a removable cap. The cold lead is an installation cable with solid conductors ensuring fast

installation. A clearly visible connection avoids accidentally installing the heated element in the wall.

To ensure a long life-time, all mats are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our full floor extended DEVI Warranty.

**\*An EPD** is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

## Benefits:

- Fast and easy to install
- Safe and robust
- Long life-time
- Maximum protection
- Multiple application options

## Standard compliance:

- IEC60800:2009

## Compliance symbols:



Product



Installation



Floor/Surface

| Type                                        | Value                                                        |
|---------------------------------------------|--------------------------------------------------------------|
| Nominal voltage                             | 230 V~                                                       |
| Construction                                | Round, twin conductor with 360° screening, one cold lead     |
| Output                                      | 175 W/m² @ 230 V~                                            |
| Max. permissible use temperature, powered   | 60 °C                                                        |
| Max. permissible use temperature, unpowered | 90 °C                                                        |
| Cable thickness                             | 6,9 mm                                                       |
| Deformation strength                        | 1500 N                                                       |
| Pulling strength                            | 400 N                                                        |
| Conductor insulation                        | XLPE                                                         |
| Outer sheath                                | PVC, red                                                     |
| Screen                                      | 100% coverage; alu-foil;<br>0,5 mm² tinned copper drain wire |
| Cold lead                                   | 6 m DTCL, 3G (1,5 or 2,5)mm²                                 |
| Min. installation temperature               | -5 °C                                                        |
| Bending Ø, min.                             | 5 cm                                                         |
| IP Class                                    | IPX7                                                         |



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## Types: DEVIflex™ 175T

| Item no. | Heated area | Dimensions (W x L) | Output @ 230V~ | Resistance | Cold lead   | EAN no.       |
|----------|-------------|--------------------|----------------|------------|-------------|---------------|
| 140F1479 | 1,1 m²      | 0,75 x 1,4 m       | 180 W          | 295,9 Ohm  | 3 x 1,5 mm² | 5703466253557 |
| 140F1480 | 1,5 m²      | 0,75 x 2,0 m       | 265 W          | 201,5 Ohm  | 3 x 1,5 mm² | 5703466253113 |
| 140F1481 | 2,7 m²      | 0,75 x 3,6 m       | 465 W          | 113,6 Ohm  | 3 x 1,5 mm² | 5703466253120 |
| 140F1482 | 3,8 m²      | 0,75 x 5,0 m       | 665 W          | 79,8 Ohm   | 3 x 1,5 mm² | 5703466253137 |
| 140F1483 | 5,3 m²      | 0,75 x 7,0 m       | 915 W          | 57,8 Ohm   | 3 x 1,5 mm² | 5703466253144 |
| 140F1484 | 7,5 m²      | 0,75 x 10,0 m      | 1310 W         | 40,3 Ohm   | 3 x 1,5 mm² | 5703466253151 |
| 140F1485 | 8,6 m²      | 0,75 x 11,4 m      | 1510 W         | 34,9 Ohm   | 3 x 1,5 mm² | 5703466253168 |
| 140F1486 | 12,0 m²     | 0,75 x 16,0 m      | 2090 W         | 25,3 Ohm   | 3 x 2,5 mm² | 5703466253175 |
| 140F1487 | 15,6 m²     | 0,75 x 20,8 m      | 2750 W         | 19,2 Ohm   | 3 x 2,5 mm² | 5703466253182 |



# DEVicell™ LowCarbon

**DEVI**   
by Danfoss

Make it easy,  
make it DEVI

Product  
is covered  
by EPD\*



DEVicell™ LowCarbon is an energy-efficient system, which provides up to 20% extra energy saving through

integrated thermal insulation. DEVicell™ LowCarbon Insulation plate covered with aluminum and readymade grooves for easy and fast installation of DEViflex™ 6T, 10T heating cables. The full covering **75% recycled aluminium** effect ensures faster reaction time and an even heat distribution for the top floor.

DEVicell™ LowCarbon a special system for new floor installed on top of all existing

floors or sub floors. The system can be installed on the existing tiles, wooden floors or concrete floors. The system can be used under nearly all types of floor surfaces.

\*An EPD is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

## Benefits:

- Sturdy construction
- No mason work with screed
- Fits DEViflex™ 6T, 10T
- Fits odd corners
- Reduced downward heat loss
- Even temperature distribution
- Quick response time with timer
- Noise reduction -3 dB



| Type                 | Value                                   |
|----------------------|-----------------------------------------|
| Construction         | Polystyrene with 75% recycled aluminium |
| R value              | 0,26 m² K/W                             |
| Plate size           | 50 x 100 cm                             |
| Thickness            | 13 mm                                   |
| Aluminium thickness  | 0,8 mm                                  |
| Insulation           | 12 mm fire retardant EPS                |
| Deformation strength | >400 kPa at 10% compression             |
| Max working temp     | 80 °C                                   |
| Noise reduction      | -3 dB                                   |



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## Heat density [W/m²]

| CC-distance [cm] | DEViflex™ 6T | DEViflex™ 10T |
|------------------|--------------|---------------|
| 10               | 60 W/m²      | 100 W/m²      |
| 20               | 30 W/m²      | 50 W/m²       |

## DEVicell™ LowCarbon plates

| Item no.  | Type                                                           | No. of plates | EAN no.       |
|-----------|----------------------------------------------------------------|---------------|---------------|
| 140F1131* | DEVicell™ LowCarbon, 2 m² package + 1 bag of Connective clips  | 4 plates      | 5703466179895 |
| 140F1130* | DEVicell™ LowCarbon, 5 m² package + 1 bag of Connective clips  | 10 plates     | 5703466179888 |
| 140F1132* | DEVicell™ LowCarbon, 50 m² pallet + 10 bag of Connective clips | 100 plates    | 5703466179901 |

## Accessories

| Item no. | Description                                                      | EAN no.       |
|----------|------------------------------------------------------------------|---------------|
| 18055300 | Mounting set for sensor                                          | 5703466128893 |
| 19805076 | Aluminium tape 38 mm x 50 m, to ensure cable contact in cavities | 5703466128923 |
| 15992250 | Connective clips for DEVicell™ LowCarbon 5x10 pcs                | 5703466129340 |
| 109200*  | Edge plates for DEVicell™ LowCarbon                              | 5703466194560 |

\*This product contains a substance included on the candidate list according to article 59 (1,10) of regulation EC No. 1907/2006 ('REACH') in a concentration above 0,1% w/w: flameproofing agent, hexabromocyclododecane. HBCD is also present on the Annex 14 list.

# DEVIpipeline™ 10 V2



Make it easy,  
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The DEVIpipeline™ 10 V2 is a self-limiting heating cable that is used for frost protection of pipes. The self-limiting capability of the cable ensures that the output of the cable increase or decrease according to

ambient temperature. The heating cables can be installed outside water pipes. The product range: drum cable, cable with cold lead without mains plug and cable with cold lead mains plug. The product range: drum cable and cable with cold lead mains plug. All self-limiting heating cables must be over-temperature protected by a thermostat, as the output will decrease, but never be zero , and be protected by a RCD with a maximum trip current of 30 mA.

**Note 1:** The cable is not approved for installation inside the water pipe and for use in contact with drinking water or water for human consumption, waste water, etc.

**Note 2:** It is the full responsibility of the installer/designer to use proper cold lead dimensioned for the purpose and assembly sets that establish sufficient mechanical strength, flammability resistance and water tightness - and to design the heating unit with correct output for the specific application to avoid overheating of the cable or building materials.

Benefits:

- Cut to length on site
- Ready-made lengths
- Small cable size

Standard compliance:

- IEC 60335-1:2012

Compliance symbols:



| Type                                          | Value                                      |
|-----------------------------------------------|--------------------------------------------|
| Nominal voltage                               | 230 V~                                     |
| Nominal output (min-max):                     | 10 W/m @ 10 °C (8,5-13,5 W/m @ 10 °C )     |
| Max. permissible use temperature, powered     | 65 °C                                      |
| Max. permissible use temperature, unpowered   | 65 °C                                      |
| Minimum installation temperature              | - 5 °C                                     |
| Heating cable dimensions                      | 7,8 × 5,3 mm                               |
| Outer sheath                                  | Blue, TPE                                  |
| Minimum Screen Coverage                       | 100% aluminium foil                        |
| Maximum resistance protective braid           | 18,2 Ω/Km                                  |
| Bending radius, min.                          | 25 mm (inside of the cable)                |
| Cold lead with plug                           | 2 m, 3 x 0,75 mm², types: with Schuko plug |
| IP Class for ready made unit                  | IP67                                       |
| IP Class for heating part and end termination | IP68                                       |

Types: DEVIpipeline™ 10 V2 Drum Goods  [Click to download - BIM model](#)

| Item no. | Length        | Min-max length per drum | Number of length allowed on drum, max | Nominal output @ 10 °C | EAN no.       |
|----------|---------------|-------------------------|---------------------------------------|------------------------|---------------|
| 98300016 | Drum, 100 m   | 100 m                   | 1                                     | 10 W/m                 | 5703466217771 |
| 98300015 | Drum, 300 m   | 300 m                   | 1                                     | 10 W/m                 | 5703466217764 |
| 98300017 | Drum, 1000 m  | 1000 m                  | 1                                     | 10 W/m                 | 5703466217788 |
| 98300019 | Cut-to-length | 1 – 1000 m              | 1, max. 1000 m                        | 10 W/m                 | 5703466217801 |

Types: Ready-made DEVIpipeline™ 10 V2 with Schuko plug

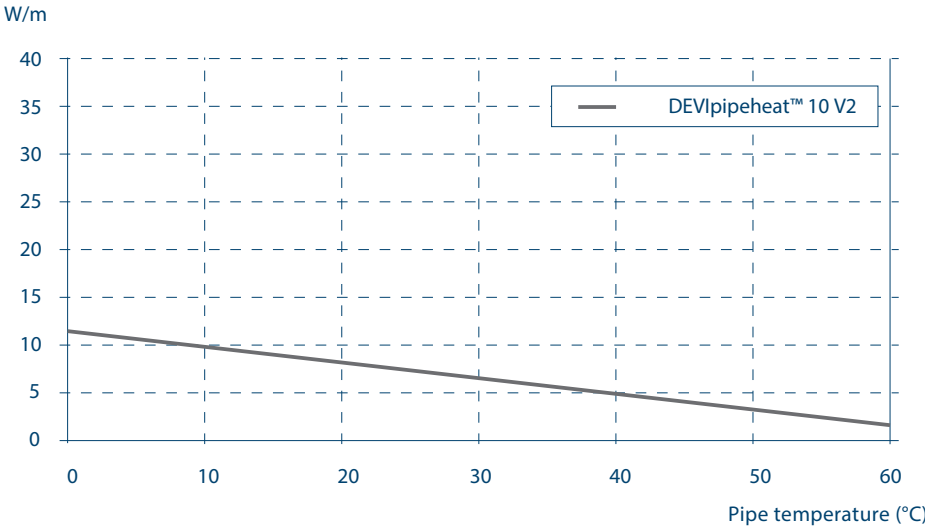
| Item no. | Length | Nominal output @ 10 °C | Cold lead | EAN no.       |
|----------|--------|------------------------|-----------|---------------|
| 98300071 | 2 m    | 20 W                   | 2 m       | 5703466217924 |
| 98300072 | 4 m    | 40 W                   | 2 m       | 5703466217931 |
| 98300073 | 6 m    | 60 W                   | 2 m       | 5703466217948 |
| 98300074 | 8 m    | 80 W                   | 2 m       | 5703466217955 |
| 98300075 | 10 m   | 100 W                  | 2 m       | 5703466217962 |
| 98300076 | 12 m   | 120 W                  | 2 m       | 5703466217979 |
| 98300077 | 14 m   | 140 W                  | 2 m       | 5703466217986 |
| 98300078 | 16 m   | 160 W                  | 2 m       | 5703466217993 |
| 98300079 | 19 m   | 190 W                  | 2 m       | 5703466218006 |
| 98300080 | 22 m   | 220 W                  | 2 m       | 5703466218013 |
| 98300081 | 25 m   | 250 W                  | 2 m       | 5703466218020 |

Maximum heating circuit length on a pipe, with circuit breaker with C-characteristic

| Switch on temperature | DEVIpipeline™ 10 V2 |      |
|-----------------------|---------------------|------|
|                       | 10 A                | 16 A |
| 10 °C                 | 100 m               | -    |
| 0 °C                  | 96 m                | -    |
| -20 °C                | 77 m                | -    |

Power output characteristic

Output of heating cable installed and measured on a pipe.



# DEVIpipelineheat™ 10 V3



The DEVIpipelineheat™ 10 V3 is a self-limiting heating cable that is used for frost protection of pipes. The self-limiting capability of the cable ensures that the output of the cable increase or decrease according to ambient temperature.

**Benefits:**

- Cut to length on site
- Ready-made lengths
- Small cable size
- Inside and outside pipe installation
- Installation inside drinking water pipes

**Standard compliance:**

- IEC 60335-1:2012
- IEC 60800:2009

**Compliance symbols:**



A new self-limiting cable can be installed inside and outside water pipes. It is suitable for drinking and common water pipes and is designed to be installed on pipe in all countries and inside pipe in certified countries (DK, EE, FI, LT, LV, SE, NO, UA). The product range: cable on drum, cut-to-length, ready-made cable with cold lead. The product range: drum cable and cable with cold lead mains plug. All self-limiting heating cables must be over-temperature protected by a thermostat, as the output will decrease, but never be zero , and be protected by a RCD with a maximum trip current of 30 mA.

**Note 1:** It is the full responsibility of the installer/designer to use proper cold lead dimensioned for the purpose and assembly sets that establish sufficient mechanical strength, flammability resistance and water tightness - and to design the heating unit with correct output for the specific application to avoid overheating of the cable or building materials. **\*An EPD** is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

| Type                                                    | Value                                  |
|---------------------------------------------------------|----------------------------------------|
| Nominal voltage                                         | 230 V~                                 |
| Nominal output (tolerance)                              | 10 W/m @ 10 °C (7,5-13,5 W/m @ 10 °C ) |
| Max. permissible use temperature, powered               | 65 °C                                  |
| Max. permissible use temperature, unpowered             | 65 °C                                  |
| Minimum installation temperature                        | - 5 °C                                 |
| Max. water temperature (inside water pipe installation) | 23 °C                                  |
| Max. water pressure (inside water pipe installation)    | 10 bar                                 |
| Heating cable dimensions                                | 8,6 × 5,25 mm                          |
| Outer sheath                                            | HDPE + blue PVDF                       |
| Minimum Screen Coverage                                 | 100% aluminium foil                    |
| Maximum resistance protective braid                     | 36 Ω/Km                                |
| Bending Ø, min.                                         | 50 mm (inside of the cable)            |
| Cold lead with plug                                     | 2 m, 3 x 0,75 mm²                      |
| IP Class for ready made unit                            | IP67                                   |
| IP Class for heating part and end termination           | IP68                                   |

Types: DEVIpipelineheat™ 10 V3 Drum Goods [Click to download - BIM model](#)

| Item no. | Length        | Min-max length per drum | Number of length allowed on drum, max | Nominal output @ 10 °C | EAN no.       |
|----------|---------------|-------------------------|---------------------------------------|------------------------|---------------|
| 98300007 | Drum, 100 m   | 100 m                   | 1                                     | 10 W/m                 | 5703466249758 |
| 98300008 | Drum, 300 m   | 300 m                   | 1                                     | 10 W/m                 | 5703466249765 |
| 98300009 | Drum, 1000 m  | 1000 m                  | 1                                     | 10 W/m                 | 5703466249772 |
| 98300012 | Cut-to-length | 1 – 1000 m              | 1, max. 1000 m                        | 10 W/m                 | 5703466249789 |

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Types: Ready-made DEVIpipelineheat™ 10 V3 with Schuko plug

| Item no. | Length | Nominal output @ 10 °C | Cold lead | EAN no.       |
|----------|--------|------------------------|-----------|---------------|
| 140F0921 | 2 m    | 20 W                   | 2 m       | 5703466249796 |
| 140F0922 | 4 m    | 40 W                   | 2 m       | 5703466249802 |
| 140F0923 | 6 m    | 60 W                   | 2 m       | 5703466249819 |
| 140F0924 | 8 m    | 80 W                   | 2 m       | 5703466249826 |
| 140F0925 | 10 m   | 100 W                  | 2 m       | 5703466249833 |
| 140F0926 | 12 m   | 120 W                  | 2 m       | 5703466249840 |
| 140F0927 | 14 m   | 140 W                  | 2 m       | 5703466249857 |
| 140F0928 | 16 m   | 160 W                  | 2 m       | 5703466249864 |
| 140F0929 | 19 m   | 190 W                  | 2 m       | 5703466249871 |
| 140F0930 | 22 m   | 220 W                  | 2 m       | 5703466249888 |
| 140F0931 | 25 m   | 250 W                  | 2 m       | 5703466249895 |

Types: Ready-made DEVIpipelineheat™ 10 V3 with Danish plug

| Item no. | Length | Nominal output @ 10 °C | Cold lead | EAN no.       |
|----------|--------|------------------------|-----------|---------------|
| 140F0932 | 2 m    | 20 W                   | 2 m       | 5703466249901 |
| 140F0933 | 4 m    | 40 W                   | 2 m       | 5703466249918 |
| 140F0934 | 6 m    | 60 W                   | 2 m       | 5703466249925 |
| 140F0935 | 8 m    | 80 W                   | 2 m       | 5703466249932 |
| 140F0936 | 10 m   | 100 W                  | 2 m       | 5703466249949 |
| 140F0937 | 12 m   | 120 W                  | 2 m       | 5703466249956 |
| 140F0938 | 14 m   | 140 W                  | 2 m       | 5703466249963 |
| 140F0939 | 16 m   | 160 W                  | 2 m       | 5703466249970 |
| 140F0940 | 19 m   | 190 W                  | 2 m       | 5703466249987 |
| 140F0941 | 22 m   | 220 W                  | 2 m       | 5703466249994 |
| 140F0942 | 25 m   | 250 W                  | 2 m       | 5703466250006 |

Pipe fitting

| Item no. | EAN no.       | Name                                           | Description                                                                                                                                                                                                                 |
|----------|---------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 140F0956 | 5703466250037 | 3/4" + 1" Pipe Fitting DEVIpipelineheat™ 10 V3 | <b>Wadding for Internal mounting In pipe for DEVIpipelineheat™ 10 V3</b><br>Stainless steel pipe fitting and nut.<br>Rubber conic sliced sleeve, oval hole.<br>Max. water pressure - 10 Bar at max. water temperature 23 °C |

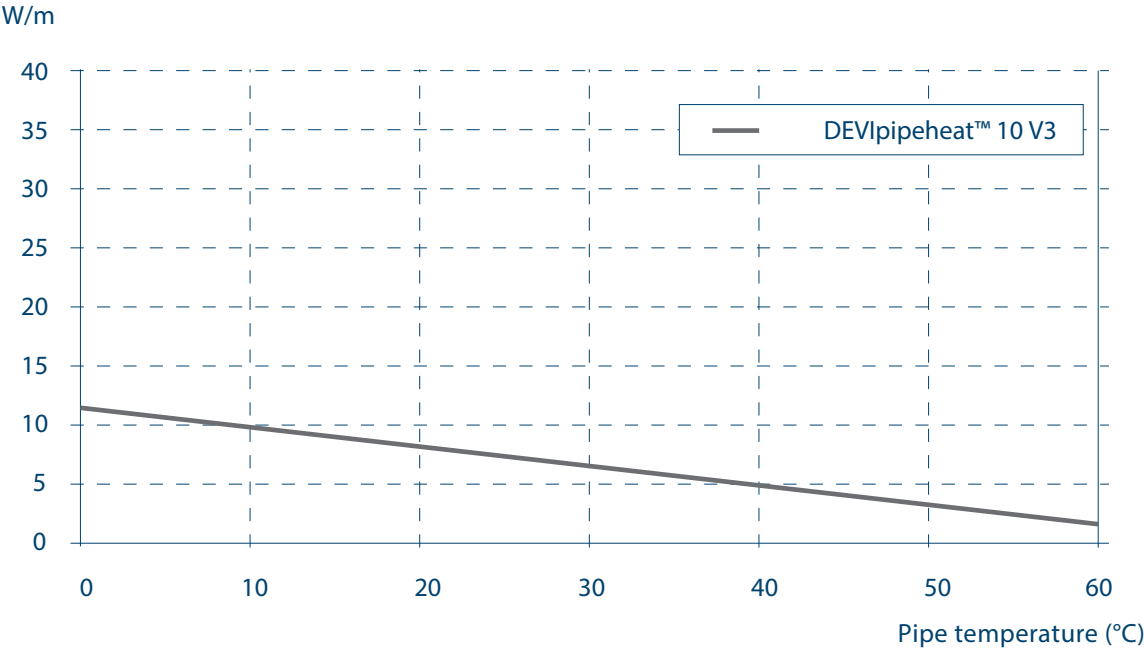


Maximum heating circuit length on a pipe, with circuit breaker with C-characteristic

| Switch on temperature | DEVIpipelineheat™ 10 V3 |         |
|-----------------------|-------------------------|---------|
|                       | 10 A                    |         |
|                       | on pipe                 | in pipe |
| 10 °C                 | 100 m                   | 60      |
| 0 °C                  | 96 m                    | -       |
| -20 °C                | 77 m                    | -       |

Power output characteristic

Output of heating cable installed and measured on a pipe.





# DEVlaqua™ 9T - 230 V/400V/

## Special order



Make it easy,  
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The DEVlaqua™ 9T is a light blue, high-quality, round, series resistive, full screened, twin conductor heating cable with a tough outer sheath and with a special ¾” and 1” pipe fitting. It is approved

for use in contact with drinking water up to 23 °C. Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption. The DEVlaqua™ 9T is a heating cable developed for being installed inside drinking water pipes with the purpose to prevent frozen pipes (not for keeping water hot in pipes). The heating cable is supplied in ready-made lengths with a 3/4” and 1” fitting to establish a water tight entrance for the

heating cable into the drinking water pipe. It is equipped with a UV stable cold lead with solid conductors ensuring fast installation with a clearly visible connection. **Note!** DEVlaqua™ 9T is only for use when installed in a pipe and only when fully covered by water. DEsVlaqua™ 9T is only intended for being used for drinking water with max. temperature 23 °C. **\*An EPD** is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

**Benefits:**

- Frost protection inside water pipes
- Approved for drinking water
- GDV certificate
- Readymade with cold tail
- Wide range up to 417 m
- ¾” and 1” pipe fitting
- Power supply 230 & 400 V
- Safe and robust
- Long life-time

**Standard compliance:**

- IEC 60800:2009

**Compliance symbols:**

| Type                                                                                              | Value                                                                                                                        |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Nominal voltage                                                                                   | 230 or 400 V~                                                                                                                |
| Construction                                                                                      | Round, series resistive, twin conductor with 360° screen, with stainless steel fitting ¾” and 1” pipe fitting, one cold lead |
| Output: <ul style="list-style-type: none"><li>• Ready-made</li><li>• Special order, max</li></ul> | 9 W/m<br>15 W/m                                                                                                              |
| Max. water pressure                                                                               | 10 Bar                                                                                                                       |
| Max. water temperature                                                                            | 23 °C                                                                                                                        |
| Cable dimensions                                                                                  | Ø 7 mm                                                                                                                       |
| Deformation strength                                                                              | 600 N                                                                                                                        |
| Pulling strength                                                                                  | 600 N                                                                                                                        |
| Conductor insulation                                                                              | XLPE                                                                                                                         |
| Outer sheath                                                                                      | Light blue, MDPE                                                                                                             |
| Screen                                                                                            | Alu-foil 100% coverage + 0,5 mm² tinned copper drain wire                                                                    |
| Cold lead                                                                                         | 2,3 m, 3G 1,5mm², DTCL, UV-resistant                                                                                         |
| Min. installation temperature                                                                     | -5 °C                                                                                                                        |
| Bending Ø, min.                                                                                   | 5 cm                                                                                                                         |
| IP Class                                                                                          | IPX7                                                                                                                         |
| Max. torque for pipe fitting                                                                      | 30 Nm                                                                                                                        |

Types: DEVlaqua™ 9T - 230 V [Click to download - BIM model](#)

| Item no. | Cable length | Output @ 230 V~ | Resistance * | Cold lead   | EAN no.       |
|----------|--------------|-----------------|--------------|-------------|---------------|
| 140F0000 | 3 m          | 25 W            | 2116,0 Ω     | 3 x 1,5 mm² | 5703466201534 |
| 140F0001 | 5 m          | 45 W            | 1175,0 Ω     | 3 x 1,5 mm² | 5703466201541 |
| 140F0002 | 7 m          | 65 W            | 812,0 Ω      | 3 x 1,5 mm² | 5703466201558 |
| 140F0003 | 10 m         | 90 W            | 587,8 Ω      | 3 x 1,5 mm² | 5703466201565 |
| 140F0004 | 12 m         | 110 W           | 480,0 Ω      | 3 x 1,5 mm² | 5703466201572 |
| 140F0005 | 15 m         | 135 W           | 391,5 Ω      | 3 x 1,5 mm² | 5703466201589 |
| 140F0006 | 20 m         | 180 W           | 293,9 Ω      | 3 x 1,5 mm² | 5703466201596 |
| 140F0007 | 25 m         | 225 W           | 235,1 Ω      | 3 x 1,5 mm² | 5703466201602 |
| 140F0008 | 30 m         | 270 W           | 195,0 Ω      | 3 x 1,5 mm² | 5703466201619 |
| 140F0009 | 35 m         | 315 W           | 167,9 Ω      | 3 x 1,5 mm² | 5703466201626 |
| 140F0010 | 40 m         | 360 W           | 146,8 Ω      | 3 x 1,5 mm² | 5703466201633 |

Types: DEVlaqua™ 9T - 230 V

| Item no. | Cable length | Output @ 230 V~ | Resistance * | Cold lead   | EAN no.       |
|----------|--------------|-----------------|--------------|-------------|---------------|
| 140F0011 | 50 m         | 450 W           | 117,5 Ω      | 3 x 1,5 mm² | 5703466201640 |
| 140F0012 | 60 m         | 540 W           | 97,8 Ω       | 3 x 1,5 mm² | 5703466201657 |
| 140F0013 | 70 m         | 630 W           | 84,0 Ω       | 3 x 1,5 mm² | 5703466201664 |
| 140F0014 | 80 m         | 720 W           | 73,4 Ω       | 3 x 1,5 mm² | 5703466201671 |
| 140F0015 | 90 m         | 810 W           | 65,3 Ω       | 3 x 1,5 mm² | 5703466201688 |
| 140F0016 | 100 m        | 900 W           | 58,7 Ω       | 3 x 1,5 mm² | 5703466201695 |
| 140F0017 | 110 m        | 990 W           | 53,4 Ω       | 3 x 1,5 mm² | 5703466201701 |
| 140F0018 | 120 m        | 1080 W          | 49,0 Ω       | 3 x 1,5 mm² | 5703466201718 |
| 140F0019 | 130 m        | 1170 W          | 45,2 Ω       | 3 x 1,5 mm² | 5703466201725 |
| 140F0020 | 140 m        | 1260 W          | 42,0 Ω       | 3 x 1,5 mm² | 5703466201732 |
| 140F0021 | 150 m        | 1350 W          | 39,2 Ω       | 3 x 1,5 mm² | 5703466201749 |
| 140F0022 | 157 m        | 1405 W          | 37,7 Ω       | 3 x 1,5 mm² | 5703466249345 |
| 140F0023 | 167 m        | 1510 W          | 35,1 Ω       | 3 x 1,5 mm² | 5703466249352 |
| 140F0024 | 187 m        | 1695 W          | 31,2 Ω       | 3 x 1,5 mm² | 5703466249369 |
| 140F0025 | 210 m        | 1895 W          | 27,9 Ω       | 3 x 1,5 mm² | 5703466249376 |
| 140F0026 | 219 m        | 1965 W          | 26,9 Ω       | 3 x 1,5 mm² | 5703466249383 |
| 140F0027 | 240 m        | 2160 W          | 24,5 Ω       | 3 x 1,5 mm² | 5703466249390 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

Types: DEVlaqua™ 9T - 400 V

| Item no. | Cable length | Output @ 400 V~ | Resistance * | Cold lead   | EAN no.       |
|----------|--------------|-----------------|--------------|-------------|---------------|
| 140F0030 | 272 m        | 2450 W          | 65,3 Ω       | 3 x 1,5 mm² | 5703466249406 |
| 140F0031 | 290 m        | 2625 W          | 60,9 Ω       | 3 x 1,5 mm² | 5703466249413 |
| 140F0032 | 326 m        | 2940 W          | 54,4 Ω       | 3 x 1,5 mm² | 5703466249420 |
| 140F0033 | 366 m        | 3285 W          | 48,7 Ω       | 3 x 1,5 mm² | 5703466249437 |
| 140F0034 | 380 m        | 3425 W          | 46,7 Ω       | 3 x 1,5 mm² | 5703466249444 |
| 140F0035 | 417 m        | 3760 W          | 42,5 Ω       | 3 x 1,5 mm² | 5703466249451 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

Types: DEVlaqua™ Special Order <sup>1)</sup>

| Item no. | Output     | Cable length | Resistance | EAN no.       |
|----------|------------|--------------|------------|---------------|
| 140F9997 | max 15 W/m | -            | -          | 5703466212820 |

1) When making DEVlaqua™ Special Order, 3 points from the table below should be considered: 230 V or 400 V, W/m and Length.

## Possible cable lengths for Special Order with output from 10 W/m to 15 W/m

| 230 V                 |     |      |     |     |     | 400 V                 |      |      |      |      |      | Reference data for Special Order |                            |       |
|-----------------------|-----|------|-----|-----|-----|-----------------------|------|------|------|------|------|----------------------------------|----------------------------|-------|
| W/m                   |     |      |     |     |     | W/m                   |      |      |      |      |      |                                  |                            |       |
| 10                    | 11  | 12   | 13  | 14  | 15  | 10                    | 11   | 12   | 13   | 14   | 15   | Item. no.                        | Description                | Ohm/m |
| Calculated length, m* |     |      |     |     |     | Calculated length, m* |      |      |      |      |      |                                  |                            |       |
| 2,7                   | 3   | 2,5  | 2   | 2,3 | 2   | 5                     | 4,5  | 4,3  | 4,2  | 4    | 3,9  | 140F0000                         | DEVlaqua™ 9T, 230 V, 3 m   | 705   |
| 4,7                   | 5   | 4,3  | 4   | 4   | 4   | 8                     | 7,9  | 7,5  | 7,2  | 7    | 6,7  | 140F0001                         | DEVlaqua™ 9T, 230 V, 5 m   | 235   |
| 6,8                   | 6   | 6,2  | 6   | 5,7 | 6   | 12                    | 11,2 | 10,7 | 10,3 | 9,9  | 9,6  | 140F0002                         | DEVlaqua™ 9T, 230 V, 7 m   | 116   |
| 9,5                   | 9   | 8,7  | 8   | 8   | 8   | 17                    | 15,7 | 15,1 | 14,5 | 13,9 | 13,5 | 140F0003                         | DEVlaqua™ 9T, 230 V, 10 m  | 58,8  |
| 11,5                  | 11  | 10,5 | 10  | 9,7 | 9   | 20                    | 19,1 | 18,3 | 17,5 | 16,9 | 16,3 | 140F0004                         | DEVlaqua™ 9T, 230 V, 12 m  | 40    |
| 14,2                  | 14  | 13   | 13  | 12  | 12  | 25                    | 24   | 23   | 22   | 21   | 20   | 140F0005                         | DEVlaqua™ 9T, 230 V, 15 m  | 26,1  |
| 19                    | 18  | 17,3 | 17  | 16  | 16  | 33                    | 31   | 30   | 29   | 28   | 27   | 140F0006                         | DEVlaqua™ 9T, 230 V, 20 m  | 14,7  |
| 24                    | 23  | 22   | 21  | 20  | 19  | 41                    | 39   | 38   | 36   | 35   | 34   | 140F0007                         | DEVlaqua™ 9T, 230 V, 25 m  | 9,4   |
| 29                    | 27  | 26   | 25  | 24  | 23  | 50                    | 47   | 45   | 44   | 42   | 41   | 140F0008                         | DEVlaqua™ 9T, 230 V, 30 m  | 6,5   |
| 33                    | 32  | 30   | 29  | 28  | 27  | 58                    | 55   | 53   | 51   | 49   | 47   | 140F0009                         | DEVlaqua™ 9T, 230 V, 35 m  | 4,8   |
| 38                    | 36  | 35   | 33  | 32  | 31  | 66                    | 63   | 60   | 58   | 56   | 54   | 140F0010                         | DEVlaqua™ 9T, 230 V, 40 m  | 3,67  |
| 47                    | 45  | 43   | 42  | 40  | 39  | 83                    | 79   | 75   | 72   | 70   | 67   | 140F0011                         | DEVlaqua™ 9T, 230 V, 50 m  | 2,35  |
| 57                    | 54  | 52   | 50  | 48  | 47  | 99                    | 94   | 90   | 87   | 84   | 81   | 140F0012                         | DEVlaqua™ 9T, 230 V, 60 m  | 1,63  |
| 66                    | 63  | 61   | 58  | 56  | 54  | 115                   | 110  | 105  | 101  | 98   | 94   | 140F0013                         | DEVlaqua™ 9T, 230 V, 70 m  | 1,2   |
| 76                    | 72  | 69   | 67  | 64  | 62  | 132                   | 126  | 121  | 116  | 112  | 108  | 140F0014                         | DEVlaqua™ 9T, 230 V, 80 m  | 0,918 |
| 85                    | 81  | 78   | 75  | 72  | 70  | 149                   | 142  | 136  | 130  | 126  | 121  | 140F0015                         | DEVlaqua™ 9T, 230 V, 90 m  | 0,725 |
| 95                    | 90  | 87   | 83  | 80  | 77  | 165                   | 157  | 151  | 145  | 139  | 135  | 140F0016                         | DEVlaqua™ 9T, 230 V, 100 m | 0,588 |
| 104                   | 100 | 95   | 92  | 88  | 85  | 182                   | 173  | 166  | 159  | 154  | 148  | 140F0017                         | DEVlaqua™ 9T, 230 V, 110 m | 0,485 |
| 114                   | 109 | 104  | 100 | 96  | 93  | 198                   | 189  | 181  | 174  | 167  | 162  | 140F0018                         | DEVlaqua™ 9T, 230 V, 120 m | 0,408 |
| 123                   | 118 | 113  | 108 | 104 | 101 | 214                   | 204  | 196  | 188  | 181  | 175  | 140F0019                         | DEVlaqua™ 9T, 230 V, 130 m | 0,348 |
| 133                   | 127 | 121  | 116 | 112 | 108 | 231                   | 220  | 211  | 203  | 195  | 189  | 140F0020                         | DEVlaqua™ 9T, 230 V, 140 m | 0,3   |
| 142                   | 136 | 130  | 125 | 120 | 116 | 248                   | 236  | 226  | 217  | 209  | 202  | 140F0021                         | DEVlaqua™ 9T, 230 V, 150 m | 0,261 |
| 148                   | 142 | 136  | 130 | 125 | 121 | 258                   | 246  | 236  | 226  | 218  | 211  | 140F0022                         | DEVlaqua™ 9T, 230 V, 157 m | 0,24  |
| 159                   | 151 | 145  | 139 | 134 | 130 | 276                   | 263  | 252  | 242  | 233  | 225  | 140F0023                         | DEVlaqua™ 9T, 230 V, 167 m | 0,21  |
| 178                   | 170 | 162  | 156 | 150 | 145 | 310                   | 295  | 283  | 271  | 262  | 253  | 140F0024                         | DEVlaqua™ 9T, 230 V, 187 m | 0,167 |
| 199                   | 190 | 182  | 175 | 169 | 163 | 347                   | 331  | 317  | 304  | 293  | 283  | 140F0025                         | DEVlaqua™ 9T, 230 V, 210 m | 0,133 |
| 207                   | 198 | 189  | 182 | 175 | 169 | 361                   | 344  | 329  | 316  | 305  | 294  | 140F0026                         | DEVlaqua™ 9T, 230 V, 219 m | 0,123 |
| 228                   | 217 | 208  | 200 | 192 | 186 | 396                   | 378  | 362  | 347  | 335  | 323  | 140F0027                         | DEVlaqua™ 9T, 230 V, 240 m | 0,102 |

# DEVIsafe™ 20T - 230V



DEVIsafe™ is an extremely high-quality, 360° fully screened twin conductor cable with a tough outer sheath (UV

stable). Its round profile and robust construction ensures a fast, simple and safe installation in multiple outdoor applications. Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption. DEVIsafe™ heating cables should not be in direct contact with bitumen roofs. The cold lead is an installation cable with solid conductors ensuring fast

installation with a clearly visible connection. To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our extended DEVIwarranty™. **\*An EPD** is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

**Benefits:**

- Fast and easy to install
- Multiple application options
- Safe and robust
- Long life-time
- Maximum protection
- UV stable

**Standard compliance:**

- IEC60800:2009

**Compliance symbols:**

20  
YEAR  
WARRANTY

| Type                                        | Value                                                     |
|---------------------------------------------|-----------------------------------------------------------|
| Nominal voltage                             | 230 V~                                                    |
| Construction                                | Twin conductor with 360° screen, one cold lead            |
| Output                                      | 20 W/m                                                    |
| Max. permissible use temperature, powered   | 60 °C                                                     |
| Max. permissible use temperature, unpowered | 90 °C                                                     |
| Cable dimensions                            | Ø 6,9 mm                                                  |
| Deformation strength                        | 1500 N                                                    |
| Pulling strength                            | 400 N                                                     |
| Conductor insulation                        | XLPE                                                      |
| Outer sheath                                | UV protected PVC                                          |
| Screen                                      | 100% coverage; alu-foil; 0,5 mm² tinned copper drain wire |
| Cold lead                                   | 2,3 m, DTCL, 3G (1,5 or 2,5) mm²                          |
| Min. installation temperature               | -5 °C                                                     |
| Bending Ø, min.                             | 5 cm                                                      |
| IP Class                                    | IPX7                                                      |

Types: DEVIsafe™ 20T [Click to download - BIM model](#)

| Item no. | Cable length | Output @ 230V~ | Resistance * | Cold lead   | EAN no.       |
|----------|--------------|----------------|--------------|-------------|---------------|
| 140F1273 | 6 m          | 125 W          | 430,1 Ohm    | 3 x 1,5 mm² | 5703466224090 |
| 140F1274 | 12 m         | 250 W          | 211,2 Ohm    | 3 x 1,5 mm² | 5703466224106 |
| 140F1275 | 17 m         | 335 W          | 158,2 Ohm    | 3 x 1,5 mm² | 5703466224113 |
| 140F1276 | 25 m         | 505 W          | 105,2 Ohm    | 3 x 1,5 mm² | 5703466224120 |
| 140F1277 | 33 m         | 675 W          | 79,2 Ohm     | 3 x 1,5 mm² | 5703466224137 |
| 140F1278 | 42 m         | 830 W          | 63,4 Ohm     | 3 x 1,5 mm² | 5703466224144 |
| 140F1279 | 50 m         | 1000 W         | 53,0 Ohm     | 3 x 1,5 mm² | 5703466224151 |
| 140F1280 | 60 m         | 1200 W         | 44,1 Ohm     | 3 x 1,5 mm² | 5703466224168 |
| 140F1281 | 68 m         | 1370 W         | 38,7 Ohm     | 3 x 1,5 mm² | 5703466224175 |
| 140F1199 | 76 m         | 1545 W         | 34,2 Ohm     | 3 x 1,5 mm² | 5703466242940 |
| 140F1282 | 85 m         | 1700 W         | 31,2 Ohm     | 3 x 1,5 mm² | 5703466224182 |
| 140F1283 | 101 m        | 2040 W         | 26,1 Ohm     | 3 x 2,5 mm² | 5703466224199 |
| 140F1284 | 118 m        | 2360 W         | 22,4 Ohm     | 3 x 2,5 mm² | 5703466224205 |
| 140F1285 | 135 m        | 2685 W         | 19,7 Ohm     | 3 x 2,5 mm² | 5703466224212 |
| 140F1286 | 152 m        | 3025 W         | 17,5 Ohm     | 3 x 2,5 mm² | 5703466224229 |

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Types: DEVIsafe™ 20T

| Item no. | Cable length | Output @ 230V~ | Resistance * | Cold lead   | EAN no.       |
|----------|--------------|----------------|--------------|-------------|---------------|
| 140F1287 | 170 m        | 3380 W         | 15,6 Ohm     | 3 x 2,5 mm² | 5703466224236 |
| 140F1288 | 194 m        | 3895 W         | 13,6 Ohm     | 3 x 2,5 mm² | 5703466224243 |

*\*The ohmic resistance must be within -5 to +10 % of the value labeled*

DEVIsnow™ 20T - 230 V & 400 V

DEVI

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DEVIsnow™ is an extremely high-quality, 360° fully screened twin conductor cable with a tough outer sheath (UV stable) and cold lead 2,3 m long. Its round profile and

robust construction ensures a fast, simple and safe installation on roofs, in gutters, down drain pipes and on the ground. Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption. DEVIsnow™ heating cables should not be in direct contact with bitumen roofs. The cold lead has solid conductors ensuring fast installation with a clearly visible connection.

To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our extended DEVIwarranty™. \*An EPD is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

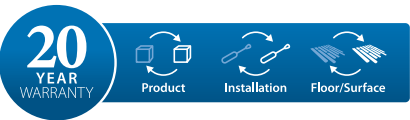
Benefits:

- Fast and easy to install
- Multiple outdoor applications
- Safe and robust
- Long life-time
- Maximum protection
- UV stable

Standard compliance:

- IEC60800:2009

Compliance symbols:



| Type                                        | Value                                             |
|---------------------------------------------|---------------------------------------------------|
| Nominal voltage                             | 230 and 400 V~                                    |
| Construction                                | Twin conductor with 360° screening, one cold lead |
| Output                                      | 20 W/m                                            |
| Max. permissible use temperature, powered   | 70 °C                                             |
| Max. permissible use temperature, unpowered | 90 °C                                             |
| Cable diameter                              | 7 mm                                              |
| Deformation strength                        | 1500 N                                            |
| Pulling strength                            | 450 N                                             |
| Conductor insulation                        | FEP                                               |
| Outer sheath                                | UV protected PVC                                  |
| Screen                                      | 0,5 mm² Cu, 100% Alu-foil                         |
| Cold lead                                   | 2,3 m, DTCL, 3G (1,5 or 2,5) mm²                  |
| Min. installation temperature               | -5 °C                                             |
| Bending Ø, min.                             | 5 cm                                              |
| IP Class                                    | IPX7                                              |

Types: DEVIsnow™ 20T - 230 V

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| Item no. | Cable length | Output @ 230V~ | Resistance * | Cold lead   | EAN no.       |
|----------|--------------|----------------|--------------|-------------|---------------|
| 140F1116 | 6 m          | 125 W          | 423,2 Ω      | 3 x 1,5 mm2 | 5703466211908 |
| 83902100 | 12 m         | 250 W          | 211,2 Ω      | 3 x 1,5 mm2 | 5703466187456 |
| 140F1117 | 17 m         | 330 W          | 159,1 Ω      | 3 x 1,5 mm2 | 5703466211915 |
| 83902101 | 25 m         | 505 W          | 104,8 Ω      | 3 x 1,5 mm2 | 5703466187463 |
| 140F1118 | 33 m         | 675 W          | 78,2 Ω       | 3 x 1,5 mm2 | 5703466211922 |
| 83902102 | 40 m         | 855 W          | 61,9 Ω       | 3 x 1,5 mm2 | 5703466187470 |
| 83902103 | 50 m         | 1000 W         | 53,0 Ω       | 3 x 1,5 mm2 | 5703466187487 |
| 83902104 | 60 m         | 1200 W         | 44,1 Ω       | 3 x 1,5 mm2 | 5703466187494 |
| 83902105 | 70 m         | 1335 W         | 39,7 Ω       | 3 x 1,5 mm2 | 5703466187500 |
| 83902106 | 85 m         | 1695 W         | 31,2 Ω       | 3 x 1,5 mm2 | 5703466187517 |
| 83902107 | 100 m        | 2060 W         | 25,7 Ω       | 3 x 1,5 mm2 | 5703466187524 |
| 140F1119 | 115 m        | 2420 W         | 21,9 Ω       | 3 x 1,5 mm2 | 5703466211939 |
| 83902108 | 135 m        | 2685 W         | 19,7 Ω       | 3 x 1,5 mm2 | 5703466187531 |
| 83902109 | 150 m        | 3065 W         | 17,3 Ω       | 3 x 2,5 mm² | 5703466187548 |

Types: DEVIsnow™ 20T - 230 V

| Item no. | Cable length | Output @ 230V~ | Resistance * | Cold lead   | EAN no.       |
|----------|--------------|----------------|--------------|-------------|---------------|
| 83902110 | 170 m        | 3380 W         | 15,6 Ω       | 3 x 2,5 mm² | 5703466187555 |
| 83902111 | 195 m        | 3875 W         | 13,7 Ω       | 3 x 2,5 mm² | 5703466187562 |

*\*The ohmic resistance must be within -5 to +10 % of the value labeled*

Types: DEVIsnow™ 20T - 400 V

| Item no. | Cable length | Output @ 400V~ | Resistance * | Cold lead   | EAN no.       |
|----------|--------------|----------------|--------------|-------------|---------------|
| 83902112 | 21 m         | 435 W          | 369,6 Ω      | 3 x 1,5 mm2 | 5703466187579 |
| 83902113 | 30 m         | 570 W          | 280,8 Ω      | 3 x 1,5 mm2 | 5703466187586 |
| 83902114 | 43 m         | 890 W          | 108,2 Ω      | 3 x 1,5 mm2 | 5703466187593 |
| 83902115 | 58 m         | 1165 W         | 137,5 Ω      | 3 x 1,5 mm2 | 5703466187609 |
| 83902116 | 72 m         | 1460 W         | 109,4 Ω      | 3 x 1,5 mm2 | 5703466187616 |
| 83902117 | 87 m         | 1740 W         | 92,1 Ω       | 3 x 1,5 mm2 | 5703466187623 |
| 83902118 | 105 m        | 2075 W         | 77,2 Ω       | 3 x 1,5 mm2 | 5703466187630 |
| 83902119 | 135 m        | 2630 W         | 60,9 Ω       | 3 x 1,5 mm2 | 5703466187647 |
| 83902120 | 150 m        | 2905 W         | 55,1 Ω       | 3 x 1,5 mm2 | 5703466187654 |
| 83902121 | 170 m        | 3245 W         | 49,3 Ω       | 3 x 1,5 mm2 | 5703466187661 |
| 83902122 | 205 m        | 4110 W         | 39,0 Ω       | 3 x 1,5 mm2 | 5703466187678 |

*\*The ohmic resistance must be within -5 to +10 % of the value labeled*



DEVIsnow™ 30T - 230 V & 400 V

DEVI

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DEVIsnow™ is an extremely high-quality, 360° fully screened twin conductor cable with a tough black PVC outer sheath (UV

stable) and **cold lead 2,3 and 30 m long**. Its round profile and robust construction ensures a fast, simple and safe installation on roofs, in gutters, down drain pipes and on the ground. Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption. DEVIsnow™ heating cables should not be in direct contact with bitumen roofs. The cold lead has solid conductors

ensuring fast installation with a clearly visible connection. To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our extended DEVIwarranty™. **\*An EPD** is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

Benefits:

- Fast and easy to install
- Multiple outdoor applications
- Safe and robust
- Long life-time
- Maximum protection
- UV stable

Standard compliance:

- IEC60800:2009

Compliance symbols:



| Type                                        | Value                                             |
|---------------------------------------------|---------------------------------------------------|
| Nominal voltage                             | 230 and 400 V~                                    |
| Construction                                | Twin conductor with 360° screening, one cold lead |
| Output                                      | 30 W/m                                            |
| Max. permissible use temperature, powered   | 60 °C                                             |
| Max. permissible use temperature, unpowered | 90 °C                                             |
| Cable diameter                              | 7 mm                                              |
| Deformation strength                        | 1500 N                                            |
| Pulling strength                            | 450 N                                             |
| Conductor insulation                        | FEP                                               |
| Outer sheath                                | UV protected PVC                                  |
| Screen                                      | 0,5 mm² Cu, 100% Alu-foil                         |
| Cold lead                                   | 2,3 m, 10 m or 30 m, DTCL, 3G (1,5 or 2,5)mm²     |
| Min. installation temperature               | -5 °C                                             |
| Bending Ø, min.                             | 5 cm                                              |
| IP Class                                    | IPX7                                              |

Types: DEVIsnow™ 30T - 230V with cold lead 2,3 m



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| Item no. | Cable length | Output @ 230V~ | Resistance * | Cold lead   | EAN no.       |
|----------|--------------|----------------|--------------|-------------|---------------|
| 89845995 | 5 m          | 150 W          | 352,7 Ω      | 3 x 1,5 mm² | 5703466187128 |
| 89846000 | 10 m         | 300 W          | 176,3 Ω      | 3 x 1,5 mm² | 5703466150115 |
| 89846002 | 14 m         | 400 W          | 132,0 Ω      | 3 x 1,5 mm² | 5703466150122 |
| 89846004 | 20 m         | 630 W          | 83,8 Ω       | 3 x 1,5 mm² | 5703466150139 |
| 89846006 | 27 m         | 830 W          | 63,8 Ω       | 3 x 1,5 mm² | 5703466150146 |
| 89846008 | 34 m         | 1020 W         | 51,8 Ω       | 3 x 1,5 mm² | 5703466150153 |
| 89846010 | 40 m         | 1250 W         | 42,4 Ω       | 3 x 1,5 mm² | 5703466150160 |
| 89846012 | 45 m         | 1350 W         | 39,2 Ω       | 3 x 1,5 mm² | 5703466150177 |
| 89846014 | 50 m         | 1440 W         | 36,8 Ω       | 3 x 1,5 mm² | 5703466150184 |
| 89846016 | 55 m         | 1700 W         | 31,2 Ω       | 3 x 1,5 mm² | 5703466150191 |
| 89846018 | 63 m         | 1860 W         | 28,4 Ω       | 3 x 1,5 mm² | 5703466150207 |
| 89846020 | 70 m         | 2060 W         | 25,7 Ω       | 3 x 1,5 mm² | 5703466150214 |
| 89846022 | 78 m         | 2340 W         | 22,3 Ω       | 3 x 1,5 mm² | 5703466150221 |
| 89846024 | 85 m         | 2420 W         | 21,8 Ω       | 3 x 1,5 mm² | 5703466150238 |
| 89846026 | 95 m         | 2930 W         | 18,1 Ω       | 3 x 1,5 mm² | 5703466150245 |

Types: DEVIsnow™ 30T - 230V with cold lead 2,3 m

| Item no. | Cable length | Output @ 230V~ | Resistance * | Cold lead   | EAN no.       |
|----------|--------------|----------------|--------------|-------------|---------------|
| 89846028 | 110 m        | 3295 W         | 16,1 Ω       | 3 x 2,5 mm² | 5703466150252 |
| 89846030 | 125 m        | 3680 W         | 14,4 Ω       | 3 x 2,5 mm² | 5703466150269 |
| 89846032 | 140 m        | 4105 W         | 12,9 Ω       | 3 x 2,5 mm² | 5703466150276 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

Types: DEVIsnow™ 30T - 230V with cold lead 30 m

| Item no. | Cable length | Output @ 230V~ | Resistance * | Cold lead   | EAN no.       |
|----------|--------------|----------------|--------------|-------------|---------------|
| 140F0635 | 10 m         | 300 W          | 176,3 Ω      | 3 x 1,5 mm² | 5703466229392 |
| 140F0636 | 14 m         | 400 W          | 132,0 Ω      | 3 x 1,5 mm² | 5703466229408 |
| 140F0637 | 20 m         | 630 W          | 83,8 Ω       | 3 x 1,5 mm² | 5703466229415 |
| 140F0638 | 27 m         | 830 W          | 63,8 Ω       | 3 x 1,5 mm² | 5703466229422 |
| 140F0639 | 34 m         | 1020 W         | 51,8 Ω       | 3 x 1,5 mm² | 5703466229439 |
| 140F0640 | 40 m         | 1250 W         | 42,4 Ω       | 3 x 1,5 mm² | 5703466229446 |
| 140F0641 | 45 m         | 1350 W         | 39,2 Ω       | 3 x 1,5 mm² | 5703466229453 |
| 140F0642 | 50 m         | 1440 W         | 36,8 Ω       | 3 x 1,5 mm² | 5703466229460 |
| 140F0643 | 55 m         | 1700 W         | 31,2 Ω       | 3 x 1,5 mm² | 5703466229477 |
| 140F0644 | 63 m         | 1860 W         | 28,4 Ω       | 3 x 1,5 mm² | 5703466229484 |
| 140F0645 | 70 m         | 2060 W         | 25,7 Ω       | 3 x 1,5 mm² | 5703466229491 |
| 140F0646 | 78 m         | 2340 W         | 22,3 Ω       | 3 x 1,5 mm² | 5703466229507 |
| 140F0647 | 85 m         | 2420 W         | 21,8 Ω       | 3 x 1,5 mm² | 5703466229514 |
| 140F0648 | 95 m         | 2930 W         | 18,1 Ω       | 3 x 1,5 mm² | 5703466229521 |
| 140F0649 | 110 m        | 3295 W         | 16,1 Ω       | 3 x 2,5 mm² | 5703466229538 |
| 140F0650 | 125 m        | 3680 W         | 14,4 Ω       | 3 x 2,5 mm² | 5703466229545 |
| 140F0651 | 140 m        | 4105W          | 12,9 Ω       | 3 x 2,5 mm² | 5703466229552 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

Types: DEVIsnow™ 30T - 400 V with cold lead 10 m

| Item no. | Cable length | Output @ 400V~ | Resistance * | Cold lead   | EAN no.       |
|----------|--------------|----------------|--------------|-------------|---------------|
| 89845996 | 8,5 m        | 265 W          | 599,3 Ω      | 3 x 1,5 mm² | 5703466187241 |
| 89846050 | 17,5 m       | 520 W          | 307,7 Ω      | 3 x 1,5 mm² | 5703466163092 |
| 89846053 | 35,0 m       | 1090 W         | 146,7 Ω      | 3 x 1,5 mm² | 5703466163108 |
| 89846056 | 71,0 m       | 2130 W         | 75,2 Ω       | 3 x 1,5 mm² | 5703466163115 |
| 89846060 | 110,0 m      | 3225 W         | 49,6 Ω       | 3 x 1,5 mm² | 5703466163122 |
| 89846062 | 145,0 m      | 4295 W         | 37,3 Ω       | 3 x 1,5 mm² | 5703466164648 |
| 89846063 | 170,0 m      | 4955 W         | 32,3 Ω       | 3 x 2,5 mm² | 5703466164655 |
| 89846065 | 190,0 m      | 5770 W         | 27,7 Ω       | 3 x 2,5 mm² | 5703466163139 |
| 89846067 | 215,0 m      | 6470 W         | 24,7 Ω       | 3 x 2,5 mm² | 5703466164662 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

Types: DEVIsnow™ 30T - 400 V with cold lead 30 m

| Item no. | Cable length | Output @ 400V~ | Resistance * | Cold lead   | EAN no.       |
|----------|--------------|----------------|--------------|-------------|---------------|
| 140F0652 | 17,5 m       | 520 W          | 307,7 Ω      | 3 x 1,5 mm² | 5703466163092 |
| 140F0653 | 35,0 m       | 1090 W         | 146,7 Ω      | 3 x 1,5 mm² | 5703466163108 |
| 140F0654 | 71,0 m       | 2130 W         | 75,2 Ω       | 3 x 1,5 mm² | 5703466163115 |
| 140F0655 | 110,0 m      | 3225 W         | 49,6 Ω       | 3 x 1,5 mm² | 5703466163122 |
| 140F0656 | 145,0 m      | 4295 W         | 37,3 Ω       | 3 x 1,5 mm² | 5703466164648 |
| 140F0657 | 170,0 m      | 4955 W         | 32,3 Ω       | 3 x 2,5 mm² | 5703466164655 |
| 140F0658 | 190,0 m      | 5770 W         | 27,7 Ω       | 3 x 2,5 mm² | 5703466163139 |
| 140F0659 | 215,0 m      | 6470 W         | 24,7 Ω       | 3 x 2,5 mm² | 5703466164662 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

DEVIsnow™ 300T - 230 V & 400 V

DEVI

by Danfoss

Make it easy,  
make it DEVI

Make it easy,  
make it DEVI



DEVIsnow™ is an extremely high-quality, 360° fully screened twin conductor heating mat with a tough outer sheath (UV stable). Its round profile and robust construction

ensures a fast, simple and safe installation on the ground. Heating mat must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption. DEVIsnow™ heating mats should not be in direct contact with bitumen roofs. The cold lead has solid conductors ensuring fast installation with a clearly visible connection. To ensure a long life-time, all cables

are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our extended DEVIwarranty™. **Note.** DEVIsnow™ heating mat is not approved for installation on roof because the fixing tape is not UV-stable. **\*An EPD** is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

Benefits:

- Fast and easy to install
- Multiple outdoor applications
- Safe and robust
- Long life-time
- Maximum protection
- UV stable

Standard compliance:

- IEC60800:2009

Compliance symbols:

20 YEAR WARRANTY

| Type                                        | Value                                                     |
|---------------------------------------------|-----------------------------------------------------------|
| Nominal voltage                             | 230 and 400 V~                                            |
| Construction                                | Round, twin conductor with 360° screening, one cold lead  |
| Output                                      | 300 W/m²                                                  |
| Max. permissible use temperature, powered   | 60 °C                                                     |
| Max. permissible use temperature, unpowered | 90 °C                                                     |
| Cable thickness                             | 7 mm                                                      |
| Deformation strength                        | 1500 N                                                    |
| Pulling strength                            | 450 N                                                     |
| Conductor insulation                        | FEP                                                       |
| Outer sheath                                | PVC                                                       |
| Screen                                      | 100% coverage; alu-foil; 0,5 mm² tinned copper drain wire |
| Cold lead                                   | 10 m or 30 m DTCL, 3G (1,5 or 2,5)mm²                     |
| Min. installation temperature               | -5 °C                                                     |
| Bending Ø, min.                             | 5 cm                                                      |
| IP Class                                    | IPX7                                                      |

Types: set DEVIsnow™ 300T - 230 V with cold lead 10 m

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| Item no. | Heated area | Dimensions (W x L) | Output @ 230V~ | Resistance * | Cold lead   | EAN no.       |
|----------|-------------|--------------------|----------------|--------------|-------------|---------------|
| 83902030 | 1,0 m²      | 0,5 x 2,0 m        | 290 W          | 183,7 Ω      | 3 x 1,5 mm² | 5703466187258 |
| 83902031 | 2,0 m²      | 0,5 x 4,0 m        | 615 W          | 86,2 Ω       | 3 x 1,5 mm² | 5703466187265 |
| 83902032 | 4,0 m²      | 0,5 x 8,0 m        | 1225 W         | 43,0 Ω       | 3 x 1,5 mm² | 5703466187272 |
| 83902033 | 4,9 m²      | 0,5 x 9,8 m        | 1440 W         | 38,0 Ω       | 3 x 1,5 mm² | 5703466187289 |
| 83902034 | 6,1 m²      | 0,5 x 12,2 m       | 1850 W         | 28,0 Ω       | 3 x 1,5 mm² | 5703466187296 |
| 83902035 | 7,0 m²      | 0,5 x 14,0 m       | 2020 W         | 26,0 Ω       | 3 x 1,5 mm² | 5703466187302 |
| 83902036 | 8,0 m²      | 0,5 x 16,0 m       | 2530 W         | 21,0 Ω       | 3 x 1,5 mm² | 5703466187319 |
| 83902037 | 11,0 m²     | 0,5 x 22,0 m       | 3240 W         | 16,0 Ω       | 3 x 2,5 mm² | 5703466187326 |
| 83902038 | 12,0 m²     | 0,5 x 24,0 m       | 3770 W         | 14,0 Ω       | 3 x 2,5 mm² | 5703466187333 |
| 83902039 | 1,4 m²      | 0,75 x 1,8 m       | 410 W          | 129,2 Ω      | 3 x 1,5 mm² | 5703466187340 |
| 83902040 | 2,0 m²      | 0,75 x 2,6 m       | 640 W          | 83,0 Ω       | 3 x 1,5 mm² | 5703466187357 |
| 83902041 | 4,1 m²      | 0,75 x 5,4 m       | 1225 W         | 43,2 Ω       | 3 x 1,5 mm² | 5703466187364 |
| 83902042 | 5,0 m²      | 0,75 x 6,5 m       | 1440 W         | 36,7 Ω       | 3 x 1,5 mm² | 5703466187371 |
| 83902043 | 6,9 m²      | 0,75 x 9,2 m       | 2080 W         | 25 Ω         | 3 x 1,5 mm² | 5703466187388 |
| 83902044 | 8,0 m²      | 0,75 x 10,6 m      | 2285 W         | 23 Ω         | 3 x 1,5 mm² | 5703466187395 |

Types: set DEVIsnow™ 300T - 230 V with cold lead 10 m

| Item no. | Heated area | Dimensions (W x L) | Output @ 230V~ | Resistance * | Cold lead   | EAN no.       |
|----------|-------------|--------------------|----------------|--------------|-------------|---------------|
| 83902045 | 11 m²       | 0,75 x 14,6 m      | 3300 W         | 16,0 Ω       | 3 x 2,5 mm² | 5703466187401 |
| 83902046 | 12,0 m²     | 0,75 x 16,0 m      | 3770 W         | 14,0 Ω       | 3 x 2,5 mm² | 5703466187418 |
| 83902047 | 3,0 m²      | 1,00 x 2,7 m       | 800W           | 66,1 Ω       | 3 x 1,5 mm² | 5703466187425 |
| 83902048 | 6,2 m²      | 1,00 x 6,2 m       | 1910 W         | 28,0 Ω       | 3 x 1,5 mm² | 5703466187432 |
| 83902049 | 12,0 m²     | 1,00 x 12,0 m      | 3770 W         | 14,0 Ω       | 3 x 2,5 mm² | 5703466187449 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

Types: DEVIsnow™ 300T - 400 V with cold lead 10 m

| Item no. | Heated area | Dimensions (W x L) | Output @ 400V~ | Resistance * | Cold lead   | EAN no.       |
|----------|-------------|--------------------|----------------|--------------|-------------|---------------|
| 83902020 | 1,70 m²     | 0,5 x 3,4 m        | 525 W          | 306,2 Ω      | 3 x 1,5 mm² | 5703466157657 |
| 83902023 | 3,50 m²     | 0,5 x 7,0 m        | 1080 W         | 147,9 Ω      | 3 x 1,5 mm² | 5703466157664 |
| 83902026 | 5,90 m²     | 0,5 x 11,8 m       | 1775 W         | 90,1 Ω       | 3 x 1,5 mm² | 5703466157671 |
| 83902029 | 7,90 m²     | 0,5 x 15,8 m       | 2315 W         | 69,1 Ω       | 3 x 1,5 mm² | 5703466157688 |
| 83902050 | 2,40 m²     | 0,75 x 3,2 m       | 700 W          | 228,4 Ω      | 3 x 1,5 mm² | 5703466157695 |
| 83902053 | 3,60 m²     | 0,75 x 4,8 m       | 1050 W         | 152,1 Ω      | 3 x 1,5 mm² | 5703466157701 |
| 83902056 | 6,00 m²     | 0,75 x 8,0 m       | 1745 W         | 91,7 Ω       | 3 x 1,5 mm² | 5703466157718 |
| 83902059 | 8,25 m²     | 0,75 x 11,0 m      | 2630 W         | 60,9 Ω       | 3 x 1,5 mm² | 5703466157725 |
| 83902062 | 9,75 m²     | 0,75 x 13,0 m      | 2890 W         | 55,5 Ω       | 3 x 1,5 mm² | 5703466157732 |
| 83902065 | 12,00 m²    | 0,75 x 16,0 m      | 3620 W         | 44,2 Ω       | 3 x 1,5 mm² | 5703466157749 |
| 83902068 | 14,55 m²    | 0,75 x 19,4 m      | 4260 W         | 37,6 Ω       | 3 x 1,5 mm² | 5703466157756 |
| 83902071 | 19,05 m²    | 0,75 x 25,4 m      | 5740 W         | 27,9 Ω       | 3 x 2,5 mm² | 5703466157763 |
| 83902073 | 21,15 m²    | 0,75 x 28,2 m      | 6560 W         | 24,4 Ω       | 3 x 2,5 mm² | 5703466161432 |
| 83902080 | 6,0 m²      | 1,00 x 6,0 m       | 1745 W         | 91,7 Ω       | 3 x 1,5 mm² | 5703466157770 |
| 83902083 | 12,0 m²     | 1,00 x 12,0 m      | 3625 W         | 44,2 Ω       | 3 x 1,5 mm² | 5703466157787 |
| 83902086 | 14,8 m²     | 1,00 x 14,6 m      | 4260 W         | 37,6 Ω       | 3 x 1,5 mm² | 5703466157794 |
| 83902089 | 19,0 m²     | 1,00 x 19,0 m      | 5750 W         | 27,8 Ω       | 3 x 2,5 mm² | 5703466157800 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

Types: DEVIsnow™ 300T - 400 V with cold lead 30 m

| Item no. | Heated area | Dimensions (W x L) | Output @ 400V~ | Resistance * | Cold lead   | EAN no.       |
|----------|-------------|--------------------|----------------|--------------|-------------|---------------|
| 140F0618 | 1,70 m²     | 0,5 x 3,4 m        | 520 W          | 306,2 Ω      | 3 x 1,5 mm² | 5703466229224 |
| 140F0619 | 3,50 m²     | 0,5 x 7,0 m        | 1080 W         | 147,9 Ω      | 3 x 1,5 mm² | 5703466229231 |
| 140F0620 | 5,90 m²     | 0,5 x 11,8 m       | 1775 W         | 90,1 Ω       | 3 x 1,5 mm² | 5703466229248 |
| 140F0621 | 7,90 m²     | 0,5 x 15,8 m       | 2315 W         | 69,1 Ω       | 3 x 1,5 mm² | 5703466229255 |
| 140F0622 | 2,40 m²     | 0,75 x 3,2 m       | 700 W          | 228,4 Ω      | 3 x 1,5 mm² | 5703466229262 |
| 140F0623 | 3,60 m²     | 0,75 x 4,8 m       | 1050 W         | 152,1 Ω      | 3 x 1,5 mm² | 5703466229279 |
| 140F0624 | 6,00 m²     | 0,75 x 8,0 m       | 1745 W         | 91,7 Ω       | 3 x 1,5 mm² | 5703466229286 |
| 140F0625 | 8,25 m²     | 0,75 x 11,0 m      | 2630 W         | 60,9 Ω       | 3 x 1,5 mm² | 5703466229293 |
| 140F0626 | 9,75 m²     | 0,75 x 13,0 m      | 2890 W         | 55,5 Ω       | 3 x 1,5 mm² | 5703466229309 |
| 140F0627 | 12,00 m²    | 0,75 x 16,0 m      | 3625 W         | 44,2 Ω       | 3 x 1,5 mm² | 5703466229316 |
| 140F0628 | 14,55 m²    | 0,75 x 19,4 m      | 4260 W         | 37,6 Ω       | 3 x 1,5 mm² | 5703466229323 |
| 140F0629 | 19,05 m²    | 0,75 x 25,4 m      | 5750 W         | 27,9 Ω       | 3 x 2,5 mm² | 5703466229330 |
| 140F0630 | 21,15 m²    | 0,75 x 28,2 m      | 6570 W         | 24,4 Ω       | 3 x 2,5 mm² | 5703466229347 |
| 140F0631 | 6,0 m²      | 1,00 x 6,0 m       | 1745 W         | 91,7 Ω       | 3 x 1,5 mm² | 5703466229354 |
| 140F0632 | 12,0 m²     | 1,00 x 12,0 m      | 3625 W         | 44,2 Ω       | 3 x 1,5 mm² | 5703466229361 |
| 140F0633 | 14,8 m²     | 1,00 x 14,6 m      | 4260 W         | 37,6 Ω       | 3 x 1,5 mm² | 5703466229378 |
| 140F0634 | 19,0 m²     | 1,00 x 19,0 m      | 5750 W         | 27,8 Ω       | 3 x 2,5 mm² | 5703466229385 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

# DEVIsnow™ Drum Goods



Make it easy,  
make it DEVI



DEVIsnow™ heating cable on drum is an extremely high-quality, 360° fully screened

twin conductor cable with a tough black PVC outer sheath (UV stable). Its round profile and robust construction ensures a fast, simple and safe installation on roofs, in gutters, down drain pipes and on the ground.

Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption.

DEVIsnow™ heating cables should not be

in direct contact with bitumen roofs.

To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our extended DEVIwarranty™.

DEVIsnow™ can be customized for the specific project, depending on voltage, required output, length of heating cable and length of cold leads.

**⚠ Note:** It is the full responsibility of the installer/designer to use proper cold lead dimensioned for the purpose and assembly sets that establish sufficient mechanical strength, flammability resistance and water tightness - and to design the heating unit with correct output for the specific application to avoid overheating of the cable or building materials.

## Benefits:

- Fast and easy to install
- Multiple outdoor applications
- Safe and robust
- Long life-time
- Maximum protection
- UV stable

## Standard compliance:

- IEC60800:2009

## Compliance symbols:



| Type                                        | Value                                 |
|---------------------------------------------|---------------------------------------|
| Nominal voltage, max                        | Uo/U = 300/500 V~                     |
| Construction                                | Twin conductor with 360° screening    |
| Output, max                                 | 30 W/m                                |
| Max. permissible use temperature, powered   | 60 °C                                 |
| Max. permissible use temperature, unpowered | 90 °C                                 |
| Cable diameter                              | 7 mm                                  |
| Deformation strength                        | 1500 N                                |
| Pulling strength                            | 450 N                                 |
| Conductor insulation                        | FEP                                   |
| Outer sheath                                | UV protected PVC                      |
| Screen                                      | 0,5 mm <sup>2</sup> Cu, 100% Alu-foil |
| Min. installation temperature               | -5 °C                                 |
| Bending Ø, min.                             | 5 cm                                  |
| IP Class                                    | IPX7                                  |

## Types: DEVIsnow™ Drum Goods

| Item no. | Resistance | EAN no.       |
|----------|------------|---------------|
| 84805400 | 9,36 Ω/m   | 5703466146248 |
| 84805403 | 4,19 Ω/m   | 5703466146255 |
| 84805406 | 2,368 Ω/m  | 5703466146262 |
| 84805409 | 1,519 Ω/m  | 5703466146279 |
| 84805412 | 1,057 Ω/m  | 5703466146286 |
| 84805415 | 0,735 Ω/m  | 5703466146293 |
| 84805418 | 0,567 Ω/m  | 5703466146309 |
| 84805421 | 0,451 Ω/m  | 5703466146316 |
| 84805424 | 0,367 Ω/m  | 5703466146323 |
| 84805427 | 0,257 Ω/m  | 5703466146330 |
| 84805430 | 0,19 Ω/m   | 5703466146347 |
| 84805433 | 0,146 Ω/m  | 5703466146354 |
| 84805436 | 0,115 Ω/m  | 5703466146361 |
| 84805439 | 0,092 Ω/m  | 5703466146378 |
| 84805442 | 0,07 Ω/m   | 5703466146385 |
| 84805445 | 0,055 Ω/m  | 5703466146392 |

## Accessories

| Item no. | Name                                              | Description                                     | EAN no.       |
|----------|---------------------------------------------------|-------------------------------------------------|---------------|
| 18055350 | Connection/Repair kit for Flex, Safe, Snow cables | Connection kit for twin-conductor heating cable | 5703466003381 |

\*Max. length on a drum is 2000 m

# DEVlasphalt™ 30T



Make it easy,  
make it DEVI

Product  
is covered  
by **EPD\***



DEVlasphalt™ is an extremely high-quality, 360° fully screened twin conductor cable

with a very robust outer sheath (UV stable), designed especially for embedding in mastic or asphalt concrete (road asphalt). Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption.

The cold lead has solid conductors ensuring fast installation with a clearly visible connection.

To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our extended DEVI warranty™.

\*An EPD is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

## Benefits:

- Fast and easy to install
- Asphalt applications
- Very robust
- Long life-time
- Maximum protection
- UV stable
- PVC free

## Standard compliance:

- IEC60800:2009

## Compliance symbols:



| Type                                           | Value                                             |
|------------------------------------------------|---------------------------------------------------|
| Nominal voltage                                | 400 V~                                            |
| Construction                                   | Twin conductor with 360° screening, one cold lead |
| Output                                         | 30 W/m                                            |
| Max. permissible use temperature, powered      | 60 °C                                             |
| Max. permissible use temperature, unpowered    | 90 °C                                             |
| Max. short term temperature (up to 15 minutes) | 240 °C                                            |
| Cable thickness                                | 7 mm                                              |
| Deformation strength                           | >1500 N                                           |
| Pulling strength                               | >300 N                                            |
| Conductor insulation                           | FEP                                               |
| Outer sheath                                   | XLPO                                              |
| Screen                                         | 1 mm <sup>2</sup> tinned Cu + aluminium foil      |
| Cold lead                                      | 10 m DTWK 2 x 2,5 mm <sup>2</sup> with screen     |
| Min. installation temperature                  | -5 °C                                             |
| Bending Ø, min.                                | 5 cm                                              |
| IP Class                                       | IPX7                                              |

## Types: DEVlasphalt™ 30T



[Click to download - BIM model](#)

| Item no. | Cable length | Output @ 400V~ | Resistance * | Cold lead               | EAN no.       |
|----------|--------------|----------------|--------------|-------------------------|---------------|
| 83900200 | 8,5 m        | 265 W          | 599,3 Ω      | 2 x 2,5 mm <sup>2</sup> | 5703466192856 |
| 83900201 | 17,5 m       | 520 W          | 307,7 Ω      | 2 x 2,5 mm <sup>2</sup> | 5703466192863 |
| 83900202 | 35,0 m       | 1090 W         | 146,7 Ω      | 2 x 2,5 mm <sup>2</sup> | 5703466192870 |
| 83900203 | 71,0 m       | 2130 W         | 75,2 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466192887 |
| 83900204 | 110,0 m      | 3225 W         | 49,1 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466192894 |
| 83900205 | 145,0 m      | 4295 W         | 37,3 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466192900 |
| 83900206 | 170,0 m      | 4955 W         | 32,3 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466192917 |
| 83900207 | 190,0 m      | 5770 W         | 27,7 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466192924 |
| 83900208 | 215,0 m      | 6470 W         | 24,7 Ω       | 2 x 2,5 mm <sup>2</sup> | 5703466192931 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled



DEV

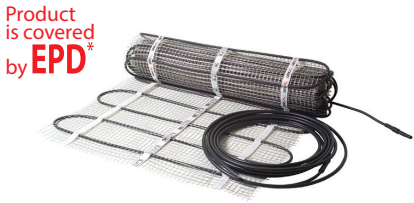
lasphalt™ 300T - 230 V & 400 V

DEVI®

by Danfoss

Make it easy,  
make it DEVI

Make it easy,  
make it DEVI



DEVlasphalt™ is an extremely high-quality, 360° fully screened twin conductor heating

mat with a very robust outer sheath (UV stable), designed especially for embedding in mastic or asphalt concrete (road asphalt). Heating mat must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption. The cold lead has solid conductors ensuring fast installation with a clearly visible connection.

To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our extended DEVIwarranty™. **\*An EPD** is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

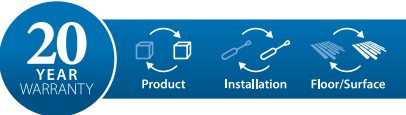
Benefits:

- Fast and easy to install
- Asphalt applications
- Very robust
- Long life-time
- Maximum protection
- UV stable
- PVC free

Standard compliance:

- IEC60800:2009

Compliance symbols:



| Type                                                        | Value                                            |
|-------------------------------------------------------------|--------------------------------------------------|
| Nominal voltage                                             | 230 and 400 V~                                   |
| Construction                                                | Twin conductor with360° screening, one cold lead |
| Output                                                      | 300 W/m²                                         |
| Max. permissible use temperature, powered                   | 60°C                                             |
| Max. permissible use temperature, unpowered                 | 90°C                                             |
| Max. short term installation temperature (up to 15 minutes) | 240°C                                            |
| Cable thickness                                             | 7 mm                                             |
| Deformation strength                                        | >1500 N                                          |
| Pulling strength                                            | > 300 N                                          |
| Conductor insulation                                        | FEP                                              |
| Outer sheath                                                | XLPO                                             |
| Screen                                                      | 1 mm² tinned Cu + aluminium foil                 |
| Cold lead                                                   | 10 m or 30 m, DTWK 2 x 2,5 mm² with screen       |
| Min. installation temperature                               | -5°C                                             |
| Bending Ø, min.                                             | 5 cm                                             |
| IP Class                                                    | IPX7                                             |

Types: DEVlasphalt™ 300T - 230 V with cold lead 10 m



Click to download - BIM model

| Item no. | Heated area | Dimensions (W x L) | Output @ 230V~ | Resistance * | Cold lead   | EAN no.       |
|----------|-------------|--------------------|----------------|--------------|-------------|---------------|
| 140F0660 | 1.0 m²      | 0.5 x 2.0 m        | 290 W          | 181,3 Ω      | 2 x 2,5 mm² | 5703466233184 |
| 140F0661 | 2.0 m²      | 0.5 x4.0 m         | 620 W          | 85,1 Ω       | 2 x 2,5 mm² | 5703466233191 |
| 140F0662 | 4.1 m²      | 0.5 x 8.2 m        | 1210 W         | 43,8 Ω       | 2 x 2,5 mm² | 5703466233207 |
| 140F0663 | 4.9 m²      | 0.5 x 9.8 m        | 1460 W         | 36,2 Ω       | 2 x 2,5 mm² | 5703466233214 |
| 140F0664 | 6.2 m²      | 0.5 x 12.4 m       | 1885 W         | 28,1 Ω       | 2 x 2,5 mm² | 5703466233221 |
| 140F0665 | 6.9 m²      | 0.5 x 13.8 m       | 2080 W         | 25,4 Ω       | 2 x 2,5 mm² | 5703466233238 |
| 140F0666 | 8.3 m²      | 0.5 x 16.6 m       | 2470 W         | 21,4 Ω       | 2 x 2,5 mm² | 5703466233245 |
| 140F0667 | 11.0 m²     | 0.5 x 22.0 m       | 3285 W         | 16,1 Ω       | 2 x 2,5 mm² | 5703466233252 |
| 140F0668 | 12.4 m²     | 0.5 x 24.8 m       | 3700 W         | 14,3 Ω       | 2 x 2,5 mm² | 5703466233269 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

Types: DEVlasphalt™ 300T - 400 V with cold lead 10 m

| Item no. | Heated area | Dimensions (W x L) | Output @ 400V~ | Resistance * | Cold lead   | EAN no.       |
|----------|-------------|--------------------|----------------|--------------|-------------|---------------|
| 83900162 | 1,70 m²     | 0,5 x 3,4 m        | 525 W          | 306,2 Ω      | 2 x 2,5 mm² | 5703466192689 |
| 83900163 | 3,50 m²     | 0,5 x 7,0 m        | 1080 W         | 147,9 Ω      | 2 x 2,5 mm² | 5703466192696 |
| 83900164 | 5,90 m²     | 0,5 x 11,8 m       | 1775 W         | 90,1 Ω       | 2 x 2,5 mm² | 5703466192702 |
| 83900165 | 7,90 m²     | 0,5 x 15,8 m       | 2315 W         | 69,1 Ω       | 2 x 2,5 mm² | 5703466192719 |
| 83900166 | 2,40 m²     | 0,75 x 3,2 m       | 700 W          | 228,4 Ω      | 2 x 2,5 mm² | 5703466192726 |
| 83900167 | 3,60 m²     | 0,75 x 4,8 m       | 1050 W         | 152,2 Ω      | 2 x 2,5 mm² | 5703466192733 |
| 83900168 | 6,00 m²     | 0,75 x 8,0 m       | 1750 W         | 91,5 Ω       | 2 x 2,5 mm² | 5703466192740 |
| 83900169 | 8,25 m²     | 0,75 x 11,0 m      | 2630 W         | 60,9 Ω       | 2 x 2,5 mm² | 5703466192757 |
| 83900170 | 9,75 m²     | 0,75 x 13,0 m      | 2890 W         | 55,5 Ω       | 2 x 2,5 mm² | 5703466192764 |
| 83900171 | 12,00 m²    | 0,75 x 16,0 m      | 3625 W         | 44,2 Ω       | 2 x 2,5 mm² | 5703466192771 |
| 83900172 | 14,55 m²    | 0,75 x 19,4 m      | 4270 W         | 37,5 Ω       | 2 x 2,5 mm² | 5703466192788 |
| 83900173 | 19,05 m²    | 0,75 x 25,4 m      | 5740 W         | 27,9 Ω       | 2 x 2,5 mm² | 5703466192795 |
| 83900174 | 21,15 m²    | 0,75 x 28,2 m      | 6560 W         | 24,4 Ω       | 2 x 2,5 mm² | 5703466192801 |
| 83900175 | 6,00 m²     | 1,00 x 6,0 m       | 1745 W         | 91,7 Ω       | 2 x 2,5 mm² | 5703466192818 |
| 83900176 | 12,00 m²    | 1,00 x 12,0 m      | 3625 W         | 44,2 Ω       | 2 x 2,5 mm² | 5703466192825 |
| 83900177 | 14,80 m²    | 1,00 x 14,8 m      | 4200 W         | 38,1 Ω       | 2 x 2,5 mm² | 5703466192832 |
| 83900178 | 19,00 m²    | 1,00 x 19,0 m      | 5760 W         | 27,8 Ω       | 2 x 2,5 mm² | 5703466192849 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

Types: DEVlasphalt™ 300T - 400 V with cold lead 30 m

| Item no. | Heated area | Dimensions (W x L) | Output @ 400V~ | Resistance * | Cold lead   | EAN no.       |
|----------|-------------|--------------------|----------------|--------------|-------------|---------------|
| 140F0601 | 1,70 m²     | 0,5 x 3,4 m        | 520 W          | 306,2 Ω      | 2 x 2,5 mm² | 5703466229057 |
| 140F0602 | 3,50 m²     | 0,5 x 7,0 m        | 1080 W         | 147,9 Ω      | 2 x 2,5 mm² | 5703466229064 |
| 140F0603 | 5,90 m²     | 0,5 x 11,8 m       | 1775 W         | 90,1 Ω       | 2 x 2,5 mm² | 5703466229071 |
| 140F0604 | 7,90 m²     | 0,5 x 15,8 m       | 2315 W         | 69,1 Ω       | 2 x 2,5 mm² | 5703466229088 |
| 140F0605 | 2,40 m²     | 0,75 x 3,2 m       | 700 W          | 228,4 Ω      | 2 x 2,5 mm² | 5703466229095 |
| 140F0606 | 3,60 m²     | 0,75 x 4,8 m       | 1050 W         | 152,1 Ω      | 2 x 2,5 mm² | 5703466229101 |
| 140F0607 | 6,00 m²     | 0,75 x 8,0 m       | 1750 W         | 91,5 Ω       | 2 x 2,5 mm² | 5703466229118 |
| 140F0608 | 8,25 m²     | 0,75 x 11,0 m      | 2630 W         | 60,9 Ω       | 2 x 2,5 mm² | 5703466229125 |
| 140F0609 | 9,75 m²     | 0,75 x 13,0 m      | 2890 W         | 55,5 Ω       | 2 x 2,5 mm² | 5703466229132 |
| 140F0610 | 12,00 m²    | 0,75 x 16,0 m      | 3625 W         | 44,2 Ω       | 2 x 2,5 mm² | 5703466229149 |
| 140F0611 | 14,55 m²    | 0,75 x 19,4 m      | 4270 W         | 37,5 Ω       | 2 x 2,5 mm² | 5703466229156 |
| 140F0612 | 19,05 m²    | 0,75 x 25,4 m      | 5740 W         | 27,9 Ω       | 2 x 2,5 mm² | 5703466229163 |
| 140F0613 | 21,15 m²    | 0,75 x 28,2 m      | 6560 W         | 24,4 Ω       | 2 x 2,5 mm² | 5703466229170 |
| 140F0614 | 6,00 m²     | 1,00 x 6,0 m       | 1745 W         | 91,7 Ω       | 2 x 2,5 mm² | 5703466229187 |
| 140F0615 | 12,00 m²    | 1,00 x 12,0 m      | 3625 W         | 44,2 Ω       | 2 x 2,5 mm² | 5703466229194 |
| 140F0616 | 14,80 m²    | 1,00 x 14,8 m      | 4200 W         | 38,1 Ω       | 2 x 2,5 mm² | 5703466229200 |
| 140F0617 | 19,00 m²    | 1,00 x 19,0 m      | 5760 W         | 27,8 Ω       | 2 x 2,5 mm² | 5703466229217 |

\*The ohmic resistance must be within -5 to +10 % of the value labeled

Accessories

| Item no. | Type                                     | EAN no.       |
|----------|------------------------------------------|---------------|
| 18055355 | DEVIcrimp repair kit 2-cond. DEVlasphalt | 5703466229057 |

DEVIpipeguard™ (B) 10/25/33

DEVI

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The DEVIpipeguard™ is a self-limiting heating cable that is mainly used for

frost protection of pipes. The self-limiting capability of the cable ensures that the output of the cable increase or decrease according to ambient temperature. The cable will maintain its functionality even when shortened. The outer sheath is highly resistant to harsh environmental conditions and corrosion and it also serves as a protection against mechanical influences. All self-

limiting heating cables must be over-temperature protected by a thermostat, as the output will decrease, but never be zero. The cables are not approved for use in drinking water. \*An EPD is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

**Benefits:**

- Cut to length on site
- PVC free

**Standard compliance:**

- DIN VDE 0254: 1994-06

**Compliance symbols:**

| Type                                                                                     | Value                                                                                                            |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Nominal voltage                                                                          | 230 V AC                                                                                                         |
| Nominal output (min-max):<br>DEVIpipeguard™ 10<br>DEVIpipeguard™ 25<br>DEVIpipeguard™ 33 | 10 W/m @ 10 °C (10-15 W/m @ 10 °C)<br>25 W/m @ 10 °C (25-32,5 W/m @ 10 °C)<br>33 W/m @ 10 °C (30-39 W/m @ 10 °C) |
| Maximum permissible use temperature                                                      | 65 °C, powered<br>85 °C, unpowered (1000 hours cumulative)                                                       |
| Minimum installation temperature                                                         | -5 °C                                                                                                            |
| Cable dimensions                                                                         | 11,8 mm x 5,8 mm (+/- 0,4 mm)                                                                                    |
| Outer sheath:<br>DEVIpipeguard™ 10<br>DEVIpipeguard™ 25<br>DEVIpipeguard™ 33             | Blue, TPE<br>Red, TPE<br>Brown, TPE                                                                              |
| Screen                                                                                   | Tinned copper braid, 1,25 mm²                                                                                    |
| Minimum braid coverage                                                                   | 70%                                                                                                              |
| Maximum resistance protective braid                                                      | 18,2 Ω/Km                                                                                                        |
| Bending Ø, min.                                                                          | 50 mm (Ø to the inside of the cable)                                                                             |
| IP Class                                                                                 | IPX7                                                                                                             |

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Types: DEVIpipeguard™ 10

| Item no. | Length        | Min-max length per drum | Number of length allowed on drum, max | Nominal output @ 10 °C | EAN no.       |
|----------|---------------|-------------------------|---------------------------------------|------------------------|---------------|
| 98300708 | Drum, 100 m   | 100 m                   | 1                                     | 10 W/m                 | 5703466177174 |
| 98300700 | Drum, 300 m   | 300 m                   | 1                                     | 10 W/m                 | 5703435005552 |
| 98300707 | Drum, 800 m   | 800 m                   | 1                                     | 10 W/m                 | 5703466096598 |
| 140F8504 | Cut-to-length | 1 - 800 m               | 1, max. 800 m                         | 10 W/m                 | 5703466193358 |

Types: DEVIpipeguard™ 25

| Item no. | Length        | Min-max length per drum | Number of length allowed on drum, max | Nominal output @ 10 °C | EAN no.       |
|----------|---------------|-------------------------|---------------------------------------|------------------------|---------------|
| 98300761 | Drum, 100 m   | 100 m                   | 1                                     | 25 W/m                 | 5703466177181 |
| 98300759 | Drum, 300 m   | 300 m                   | 1                                     | 25 W/m                 | 5703435005569 |
| 140F8503 | Drum, 800 m   | 800 m                   | 1                                     | 25 W/m                 | 5703466096604 |
| 140F8505 | Cut-to-length | 1 - 800 m               | 1, max. 800 m                         | 25 W/m                 | 5703466193365 |

Types: DEVIpipeguard™ 33

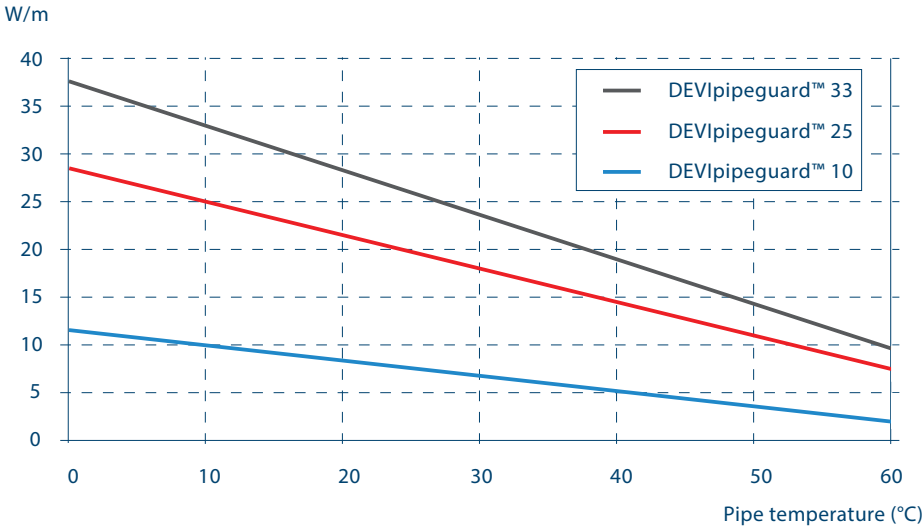
| Item no. | Length        | Min-max length per drum | Number of length allowed on drum, max | Nominal output @ 10 °C | EAN no.       |
|----------|---------------|-------------------------|---------------------------------------|------------------------|---------------|
| 98300764 | 305 m, drum   | 305 m                   | 1                                     | 33 W/m                 | 5703466196120 |
| 140F8506 | Cut-to-length | 1 - 305 m               | 1, max. 305 m                         | 33 W/m                 | 5703466193341 |

RCD of 30 mA is required, max. 500 m of self-limiting heating cable per RCD.

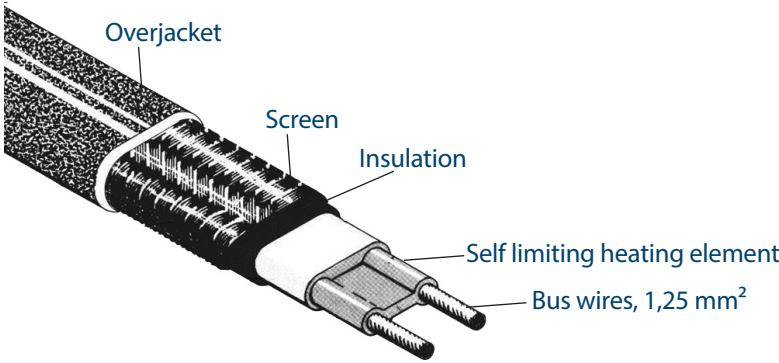
Maximum heating circuit length on a pipe, with circuit breaker with C-characteristic

| Switch on temperature | Power W/m | DEVIpipeguard™ 10 |      |      |      |      | Power W/m | DEVIpipeguard™ 25 |      |      |      |      | Power W/m | DEVIpipeguard™ 33 |      |      |      |      |
|-----------------------|-----------|-------------------|------|------|------|------|-----------|-------------------|------|------|------|------|-----------|-------------------|------|------|------|------|
|                       |           | 10 A              | 16 A | 20 A | 25 A | 32 A |           | 10 A              | 16 A | 20 A | 25 A | 32 A |           | 10 A              | 16 A | 20 A | 25 A | 32 A |
| 30 °C                 | 7         | 198               | 202  | 202  | 202  | 202  | 17,9      | 80                | 128  | 128  | 128  | 128  | 24,5      | 50                | 81   | 97   | 97   | 97   |
| 20 °C                 | 8         | 167               | 202  | 202  | 202  | 202  | 21,5      | 69                | 110  | 128  | 128  | 128  | 28,7      | 43                | 69   | 86   | 97   | 97   |
| 10 °C                 | 10        | 144               | 202  | 202  | 202  | 202  | 25        | 60                | 96   | 120  | 128  | 128  | 33        | 38                | 61   | 76   | 95   | 97   |
| 0 °C                  | 12        | 126               | 202  | 202  | 202  | 202  | 28,5      | 53                | 86   | 107  | 128  | 128  | 37,3      | 34                | 54   | 67   | 84   | 97   |
| -10 °C                | 13        | 113               | 180  | 202  | 202  | 202  | 32,1      | 48                | 77   | 96   | 120  | 128  | 41,5      | 30                | 49   | 61   | 76   | 97   |
| -20 °C                | 15        | 102               | 163  | 202  | 202  | 202  | 35,6      | 44                | 70   | 87   | 109  | 128  | 45,8      | 28                | 44   | 55   | 69   | 88   |
| -30 °C                | 17        | 93                | 148  | 185  | 202  | 202  | 39,1      | 40                | 64   | 80   | 100  | 128  | 50,1      | 25                | 41   | 51   | 63   | 81   |

Power output characteristic  
Output of heating cable installed and measured on a pipe.



Construction



- Nickel plated copper bus wires
- Radiation Cross-Linked Semiconductive Heating Matrix
- Radiation Cross-Linked Primary Dielectric Insulation
- Tinned copper braid
- Polyolefin over jacket

# DEVIconnecto



Make it easy,  
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The DEVIconnecto programme gives you different solutions for easy and safe connection of DEVI self-limiting heating cables - DEVIceguard™ (B),

DEVIpipelineguard™ (B), DEVIhotwatt™ (B). Using DEVIconnecto to wire up a heating circuit is fast, requiring only a knife and a diagonal cutter.

**Benefits:**

- Cost savings by reduced assembly time
- Great reliability of assembly simplicity
- Safe electrical contacting by precise clamp cutting technology



| Type                  | Value                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------------|
| Nominal voltage, max. | 250 V~                                                                                         |
| Max. current          | 16 A                                                                                           |
| Ambient temperature   | -25 °C to +65°C (heating cables are powered)<br>-25 °C to +85°C (heating cables are unpowered) |
| IP class              | IP 66                                                                                          |

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Types

| Item no. | Product name         | Description                     | EAN no.       |
|----------|----------------------|---------------------------------|---------------|
| 19808360 | DEVIconnecto B-A     | Connection power supply         | 5703466103067 |
| 19808361 | DEVIconnecto B-C     | Heating cable connection        | 5703466103074 |
| 19808362 | DEVIconnecto B-E     | End termination                 | 5703466103081 |
| 19808363 | DEVIconnecto B-S     | Connection and end termination  | 5703466103098 |
| 19808364 | DEVIconnecto B-T     | Y-junction + end termination    | 5703466103104 |
| 19808365 | DEVIconnecto B-TE2   | Y-junction + 2 end terminations | 5703466103111 |
| 19808366 | DEVIconnecto B-TE3   | Y-junction + 3 end terminations | 5703466103128 |
| 19808367 | DEVIconnecto B-X     | X-junction + 2 end terminations | 5703466103135 |
| 19808390 | DEVIconnecto Bracket | Bracket and 6 cable ties        | 5703466125021 |

**ATTENTION.** DEVIconnecto may not be put in the gutters when used with DEVIceguard™ (B) . It must be installed in a dry place.

Selection chart. DEVIconnecto for heating cables with braiding: DEVIpipelineguard™ (B), DEVIhotwatt™ (B) and DEVIceguard™ (B)

| Illustration | Name                 | Description                                                                        |
|--------------|----------------------|------------------------------------------------------------------------------------|
|              | DEVIconnecto B-A     | Heating cable connection with power cable 1,5 m without end terminal               |
|              | DEVIconnecto B-C     | Heating cable slice/extension for connecting two heating cables                    |
|              | DEVIconnecto B-E     | Heating cable end terminal                                                         |
|              | DEVIconnecto B-S     | Heating cable connection with 1,5 m power cable and end terminal                   |
|              | DEVIconnecto B-T     | Heating cable T-branch as a T-junction for three heating cables and 1 end terminal |
|              | DEVIconnecto B-TE2   | Heating cable double connection with 1,5 m power cable and 2 end terminals         |
|              | DEVIconnecto B-TE3   | Heating cable T-branch with 1,5 m power cable and 3 end terminals                  |
|              | DEVIconnecto B-X     | Heating cable X-branch for 4 heating cables incl. 2 end terminals                  |
|              | DEVIconnecto Bracket | For installation of the DEVIconnecto connection outside the insulation             |

DEVIconnecto system installation steps

1. Cut the heating cable straight
2. Push the heating cable in
3. Twist untill closed



DEVIconnecto B-C



DEVIconnecto B-TE2



DEVIconnecto B-X



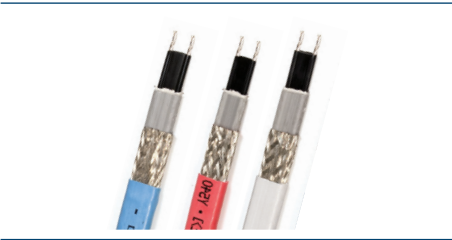
DEVipeguard™ LSZH 10/25/33

DEVI

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The DEVipeguard™ LSZH is a halogen free self-limiting heating cable that is mainly used for frost protection of pipes. The self-limiting capability of the cable ensures that the output of the cable increase or decrease according to ambient temperature. The cable will maintain its functionality even when shortened. The outer sheath is highly resistant to harsh environmental conditions and corrosion and it also serves as a protection against mechanical influences. All self-limiting heating cables must be over-temperature protected by a thermostat, as the output will decrease, but never be zero. The cables are not approved for use in drinking water.

**Benefits:**

- Cut to length on site
- PVC free
- Halogen free

**Standard compliance:**

- EN 62395-1: 2013
- EN 60754-3: 2019
- EN 60754-2: 2014
- EN 61034-2:2005/A1:2013

**Compliance symbols:**

| Type                                                                                              | Value                                                                                                                     |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Nominal voltage                                                                                   | 230 V AC                                                                                                                  |
| Nominal output (min-max):<br>DEVipeguard™ 10 LSZH<br>DEVipeguard™ 25 LSZH<br>DEVipeguard™ 33 LSZH | 10 W/m @ 10 °C (9,8-14,7 W/m @ 10 °C)<br>25 W/m @ 10 °C (23,6-32,8 W/m @ 10 °C)<br>33 W/m @ 10 °C (32,0-39,7 W/m @ 10 °C) |
| Light transmittance                                                                               | >60 %                                                                                                                     |
| Maximum permissible use temperature                                                               | 65 °C, powered<br>85 °C, unpowered                                                                                        |
| Minimum installation temperature                                                                  | -5 °C                                                                                                                     |
| Cable dimensions                                                                                  | 13,6 × 5,8 mm                                                                                                             |
| Outer sheath:<br>DEVipeguard™ 10 LSZH<br>DEVipeguard™ 25 LSZH<br>DEVipeguard™ 33 LSZH             | Blue, TPE<br>Red, TPE<br>Grey, TPE                                                                                        |
| Screen                                                                                            | Tinned copper braid, 1,25 mm²                                                                                             |
| Minimum braid coverage                                                                            | 70%                                                                                                                       |
| Maximum resistance protective braid                                                               | 18,2 Ω/Km                                                                                                                 |
| Bending Ø, min.                                                                                   | 64 mm (Ø to the inside of the tape)                                                                                       |
| IP Class                                                                                          | IPX7                                                                                                                      |

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Types: DEVipeguard™ 10 LSZH

| Item no. | Length        | Min-max length per drum | Number of length allowed on drum, max | Nominal output @ 10 °C | EAN no.       |
|----------|---------------|-------------------------|---------------------------------------|------------------------|---------------|
| 98301063 | Drum, 100 m   | 100 m                   | 1                                     | 10 W/m                 | 5703466249604 |
| 98301064 | Drum, 250 m   | 250 m                   | 1                                     | 10 W/m                 | 5703466249611 |
| 98301065 | Drum, 750 m   | 750-787,5 m             | 1                                     | 10 W/m                 | 5703466249628 |
| 98301071 | Cut-to-length | 1 - 750 m               | 1, max. 750 m                         | 10 W/m                 | 5703466249697 |

Types: DEVipeguard™ 25 LSZH

| Item no. | Length        | Min-max length per drum | Number of length allowed on drum, max | Nominal output @ 10 °C | EAN no.       |
|----------|---------------|-------------------------|---------------------------------------|------------------------|---------------|
| 98301066 | Drum, 100 m   | 100 m                   | 1                                     | 25 W/m                 | 5703466249635 |
| 98301067 | Drum, 250 m   | 250 m                   | 1                                     | 25 W/m                 | 5703466249642 |
| 98301068 | Drum, 750 m   | 750-787,5 m             | 1                                     | 25 W/m                 | 5703466249659 |
| 98301072 | Cut-to-length | 1 - 750 m               | 1, max. 750 m                         | 25 W/m                 | 5703466249703 |

Types: DEVipeguard™ 33 LSZH

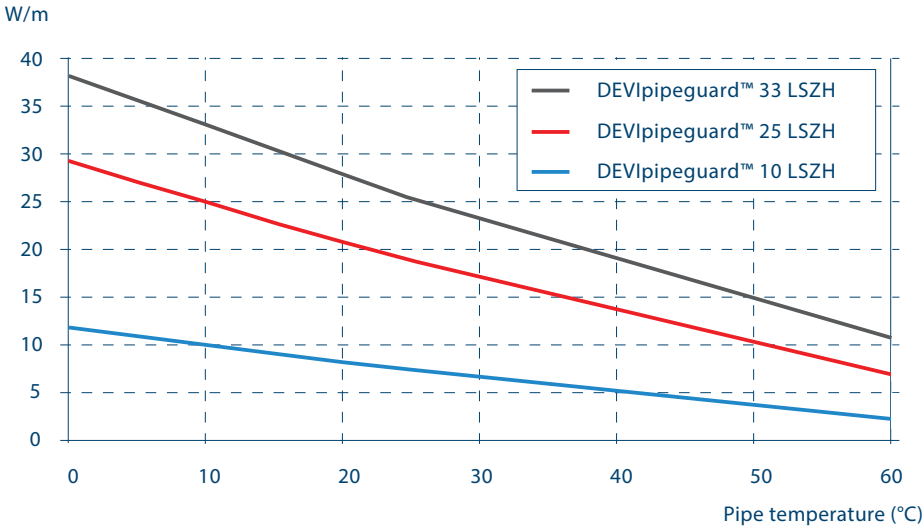
| Item no. | Length        | Min-max length per drum | Number of length allowed on drum, max | Nominal output @ 10 °C | EAN no.       |
|----------|---------------|-------------------------|---------------------------------------|------------------------|---------------|
| 98301069 | Drum, 250 m   | 250 m                   | 1                                     | 33 W/m                 | 5703466249666 |
| 98301073 | Cut-to-length | 1 - 250 m               | 1, max. 250 m                         | 33 W/m                 | 5703466249710 |

RCD of 30 mA is required, max. 500 m of self-limiting heating cable per RCD.

Maximum heating circuit length on a pipe, with circuit breaker with C-characteristic

| Switch on temperature | Power W/m | DEVipeguard™ 10 LSZH |      |      |      |      | Power W/m | DEVipeguard™ 25 LSZH |      |      |      |      | Power W/m | DEVipeguard™ 33 LSZH |      |      |      |      |
|-----------------------|-----------|----------------------|------|------|------|------|-----------|----------------------|------|------|------|------|-----------|----------------------|------|------|------|------|
|                       |           | 10 A                 | 16 A | 20 A | 25 A | 32 A |           | 10 A                 | 16 A | 20 A | 25 A | 32 A |           | 10 A                 | 16 A | 20 A | 25 A | 32 A |
| 10 °C                 | 10        | 119                  | 191  | 226  | 226  | 226  | 25        | 58                   | 93   | 116  | 146  | 146  | 33        | 42                   | 77   | 98   | 120  | 120  |
| 0 °C                  | 11,7      | 119                  | 191  | 226  | 226  | 226  | 28,6      | 58                   | 93   | 116  | 146  | 146  | 37,5      | 36                   | 75   | 96   | 117  | 120  |
| -10 °C                | 13,3      | 110                  | 176  | 220  | 226  | 226  | 32,3      | 52                   | 84   | 105  | 131  | 146  | 42        | 32                   | 67   | 85   | 104  | 119  |
| -20 °C                | 15        | 97                   | 156  | 195  | 226  | 226  | 35,9      | 46                   | 78   | 93   | 122  | 146  | 46,5      | 28                   | 59   | 75   | 92   | 118  |
| -30 °C                | 16,7      | 87                   | 140  | 175  | 219  | 226  | 39,5      | 42                   | 67   | 84   | 105  | 134  | 51        | 25                   | 53   | 68   | 83   | 107  |
| -40 °C                | 18,3      | 80                   | 127  | 159  | 199  | 226  | 43,1      | 38                   | 64   | 76   | 100  | 128  | 55,5      | 23                   | 48   | 61   | 75   | 96   |
| -50 °C                | 17        | 93                   | 148  | 185  | 202  | 202  | 39,1      | 40                   | 64   | 80   | 100  | 128  | 50,1      | 25                   | 41   | 51   | 63   | 81   |

Power output characteristic  
Output of heating cable installed and measured on a pipe.





# DEVI EasyConnect



DEVI EasyConnect is a system that enables you to connect your self-limiting heating cables - DEVIceguard™ (T), DEVIpipeguard™ (T), DEVIpipeguard™ LSZH and modify your heat tracing circuit in 1 click. You can use the EasyConnect indoors as well as outdoors. The connectors are IP 68 rated by VDE and CE marked.

The modular design allows a variety of combinations of the connections. The system is compatible with DEVIpipeguard™(T),DEVIpipeguard™LSZH and DEVIceguard™ (T).

**Benefits:**

- Easy to install
- Cut to length on site
- High temperature cable

**Standard compliance:**

- DIN VDE 0606 T200
- DIN EN 61984 (VDE 0627)
- VDE 0110 IEC 60999
- LR Type Approval System

**Compliance symbols:**

| Type                             | Value                                 |
|----------------------------------|---------------------------------------|
| Nominal voltage, max.            | 250 V~                                |
| Max. current                     | 16 A                                  |
| Max. permissible use temperature | 100 °C                                |
| Min. permissible use temperature | -40 °C                                |
| Power cable                      | 3 x 2,5 mm²                           |
| Outer sheath                     | thermoplastic, PA66                   |
| Protection class                 | IP68 (2 hours in water 3 meters deep) |
| Seal                             | NBR (Nitrile Butadiene Rubber)        |

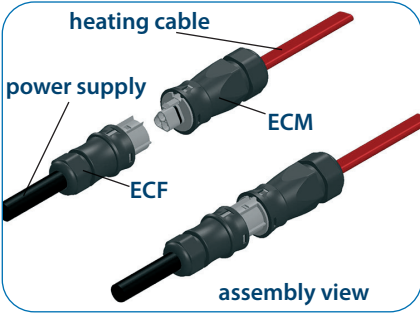
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| Item no. | Type                      | Resistance                                   | EAN no.       |
|----------|---------------------------|----------------------------------------------|---------------|
| 98300870 | DEVI EasyConnect EC-1     | Power supply connection set                  | 5703466214503 |
| 98300871 | DEVI EasyConnect EC-T1    | Connection set for 2 heating cables          | 5703466214510 |
| 98300872 | DEVI EasyConnect EC-ETK   | End plug set                                 | 5703466214527 |
| 98300873 | DEVI EasyConnect EC-1+ETK | Power supply connection set with an end plug | 5703466214534 |
| 98300874 | DEVI EasyConnect EC-T2    | Set for heating cable branching – 1 to 2     | 5703466214541 |
| 98300875 | DEVI EasyConnect EC-2     | Power supply connection set for 2 cables     | 5703466214558 |
| 98300876 | DEVI EasyConnect EC-3     | Power supply connection set for 3 cables     | 5703466214565 |

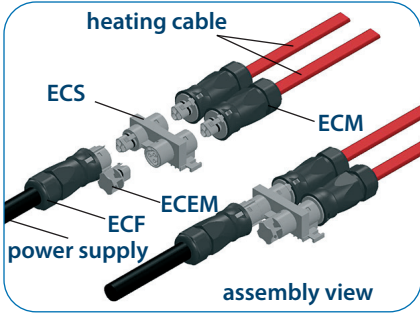
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### DEVI EasyConnect

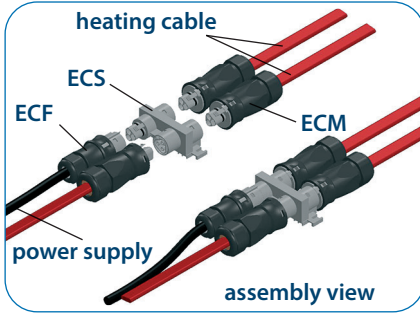
**EC-1 (98300870).**  
Power supply connection set



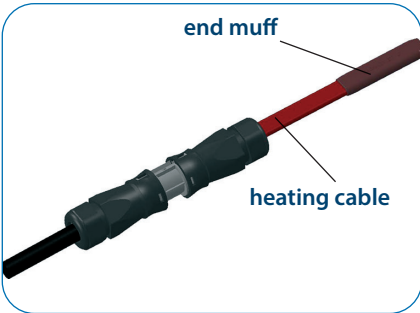
**EC-2 (98300875).**  
Power supply connection set for 2 cables



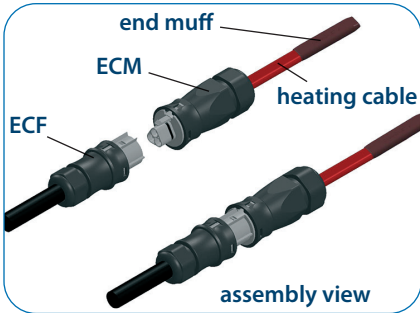
**EC-3 (98300876).**  
Power supply connection set for 3 cables



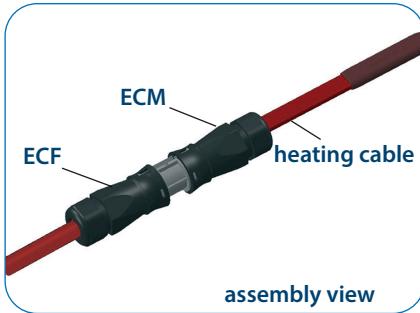
**EC-ETK (98300872).**  
End plug set



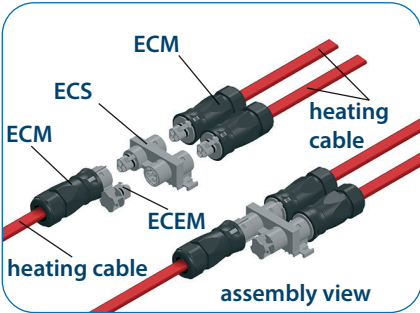
**EC-1 + ETK (98300873).**  
Power supply connection set with an end plug



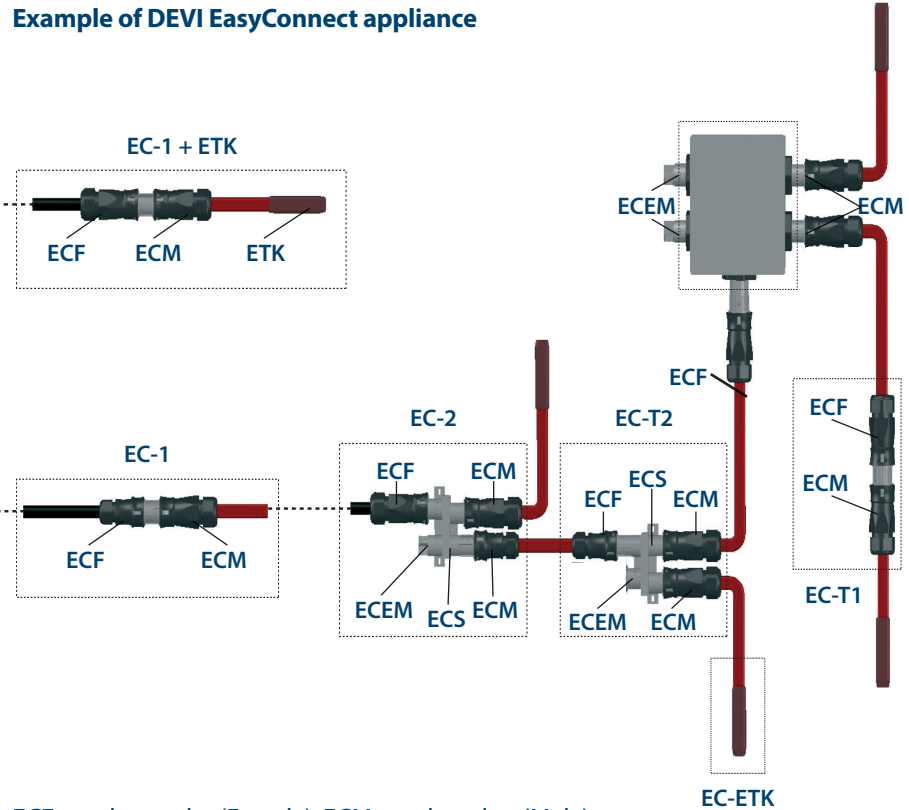
**EC-T1 (98300871).**  
Connection set for heating to heating cable.



**EC-T2 (98300874).**  
Set for heating cable branching – 1 to 2



### Example of DEVI EasyConnect appliance



ECF - socket outlet (Female), ECM - socket plug (Male),  
ECEM - socket plug cover(Male), ECS - distribution block.

DEVIpipeguard™ 30/60 Industry

DEVI

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DEVIpipeguard™ Industry is a self-limiting heating cable that is mainly used for frost protection of pipes and for temperature maintenance in applications up to 120 °C powered or 190 °C unpowered cable. The cable allows steam cleaning in pipes. The heating element, the insulation and the outer jacket of

DEVIpipeguard™ Industry are made of fluoropolymers. Fluoropolymer outer jacket offers increased protection against chemicals (oil and fuel) and abrasion. A temperature-dependent resistance element between two parallel-guided copper conductors regulates and limits the heat output of the heating cable. This power setting takes place at every point of the heating cable, according to the ambient temperature prevailing there. If the temperature rises, the power of the cable is reduced. This self-limiting prevents overheating of the cable, even if it is overlaid. The heating cable can be

cut off at desired length by the parallel current supply. This simplifies planning and installation. All self-limiting heating cables must be over-temperature protected by a thermostat, as the output will decrease, but never be zero. The installation of a thermostat is recommended. The cable is not approved for use in drinking water. \*An EPD is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

**Benefits:**

- Cut to length on site
- PVC free
- UV stable

**Standard compliance:**

- VDE E 0254: 94

**Compliance symbols:**

CE



| Type                                                                                  | Value                                                                    |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Nominal voltage                                                                       | 230 V AC (max. 254 V AC)                                                 |
| Nominal output (min-max):<br>DEVIpipeguard™ 30 Industry<br>DEVIpipeguard™ 60 Industry | 30 W/m @ 10 °C (30-39 W/m @ 10 °C)<br>60 W/m @ 10 °C (54-72 W/m @ 10 °C) |
| Maximum permissible use temperature                                                   | 120 °C, powered<br>190 °C, unpowered                                     |
| Minimum installation temperature                                                      | -5 °C                                                                    |
| Minimum switched on temperature                                                       | -60 °C                                                                   |
| Cable dimensions                                                                      | 10,2 x 4,8 mm                                                            |
| Outer sheath                                                                          | Red, Fluoropolymer                                                       |
| Minimum braid coverage                                                                | 70 %                                                                     |
| Maximum resistance protective braid                                                   | 18,2 Ω/Km                                                                |
| Bending Ø, min.                                                                       | 50 mm (Ø to the inside of the tape)                                      |
| IP Class                                                                              | IPX7                                                                     |

[Click to download - BIM model](#)

Types: DEVIpipeguard™ 30 Industry

| Item no. | Length        | Min-max length per drum | Number of length allowed on drum, max | Nominal output @ 10 °C | EAN no.       |
|----------|---------------|-------------------------|---------------------------------------|------------------------|---------------|
| 140F8500 | Drum, 300 m   | 300 m                   | 1                                     | 30 W/m                 | 5703466195673 |
| 140F8501 | Cut-to-length | 1 - 300 m               | 1, max. 300 m                         | 30 W/m                 | 5703466197257 |

Types: DEVIpipeguard™ 60 Industry

| Item no. | Length        | Min-max length per drum | Number of length allowed on drum, max | Nominal output @ 10 °C | EAN no.       |
|----------|---------------|-------------------------|---------------------------------------|------------------------|---------------|
| 00109027 | Drum, 300 m   | 300 m                   | 1                                     | 60 W/m                 | 5703466163498 |
| 140F8502 | Cut-to-length | 1 - 300 m               | 1, max. 300 m                         | 60 W/m                 | 5703466197264 |

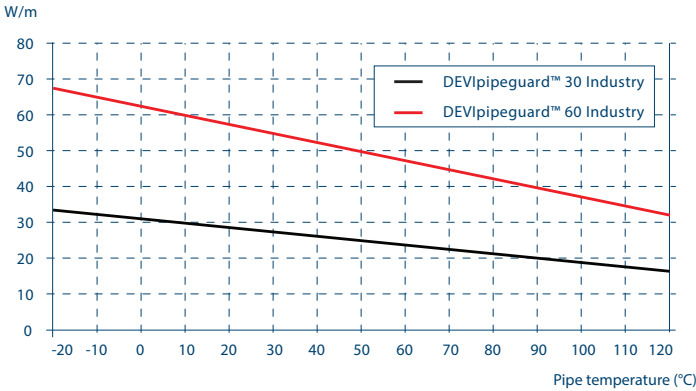
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Maximum heating circuit length on a pipe, with circuit breaker with C-characteristic

| Switch on temperature | Power W/m | DEVIpipeguard™ 30 Industry |      |      |      |      | Power W/m | DEVIpipeguard™ 60 Industry |      |      |      |      |
|-----------------------|-----------|----------------------------|------|------|------|------|-----------|----------------------------|------|------|------|------|
|                       |           | 10 A                       | 16 A | 20 A | 25 A | 32 A |           | 10 A                       | 16 A | 20 A | 25 A | 32 A |
| 30 °C                 | 25,5      | 65                         | 104  | 130  | 133  | 133  | 52,4      | 36                         | 58   | 73   | 75   | 75   |
| 20 °C                 | 27,7      | 61                         | 98   | 122  | 133  | 133  | 56,2      | 34                         | 55   | 69   | 75   | 75   |
| 10 °C                 | 30,0      | 58                         | 92   | 115  | 133  | 133  | 60,0      | 32                         | 52   | 65   | 75   | 75   |
| 0 °C                  | 32,3      | 54                         | 87   | 109  | 133  | 133  | 63,8      | 31                         | 49   | 61   | 75   | 75   |
| -10 °C                | 34,5      | 52                         | 83   | 103  | 129  | 133  | 67,6      | 29                         | 47   | 58   | 73   | 75   |
| -20 °C                | 36,8      | 49                         | 79   | 98   | 123  | 133  | 71,4      | 28                         | 45   | 56   | 70   | 75   |
| -30 °C                | 39,0      | 47                         | 75   | 94   | 117  | 133  | 75,2      | 27                         | 43   | 53   | 67   | 75   |

Power output characteristic

Output of heating cable installed and measured on a pipe.



Accessories

| Item no. | EAN no.       | Type                                                                      | Description                                                                                                                                              | Image |
|----------|---------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 00109007 | 5703466167397 | Connection kit for DEVIpipeguard 30/60 Industry (PT-30/60) heating cables | With clamping block for the connection of cold lead and heating cable, shrink end-cap, shrink tubes, bitumen gas-kets and ferrules.                      |       |
| 00109026 | 5703466135778 | Connection kit for DEVIpipeguard 30/60 Industry (PT-30/60) heating cables | For mounting in connection box with screw connections. With cable gland M20x1,5 with locknut, shrink end-cap, shrink tubes, bitumen gasket and ferrules. |       |
| 19400167 | 5703435002858 | Polyester box ABSC for DEVlice-guard™ and DEVIpipeguard™                  | For SLC (DEVlice-guard, DEVIpipe-guard)                                                                                                                  |       |
| 19405851 | 5703435002964 | Bracket                                                                   | Fitting for connection of housing (19400167) to pipes                                                                                                    |       |
| 11010410 | 5703435031001 | Insulation introduction                                                   | With mounting plate M20 60x60x1 mm AISI304; Cable gland U17 M20x1,5; Cable gland M25                                                                     |       |
| 19805076 | 5703435003053 | Tape aluminium 38 mm x 50 m                                               | Self-adhesive, with 2-colour warning label, max. 75 °C                                                                                                   |       |

DEVlceguard™ 18 (B) Drum Goods

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The DEVlceguard™ is a self-limiting parallel heating cable that is used for ice

and snow melting on roofs and in gutters and downpipes. DEVlceguard™ heating cables should not be in direct contact with bitumen roofs. The self-limiting capability of the cable ensures that the output of the cable increase or decrease according to ambient temperature. The heating cable is flexible and easy to install as it can be cut to length at site and installed directly on to the roof and gutter

system. All self-limiting heating cables must be over-temperature protected by a thermostat, as the output will decrease, but never be zero, and be protected by a RCD with a maximum trip current of 30 mA. \*An EPD is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

**Benefits:**

- Easy to install
- Cut to length on site

**Standard compliance:**

- EN 62395-1: 2013

**Compliance symbols:**

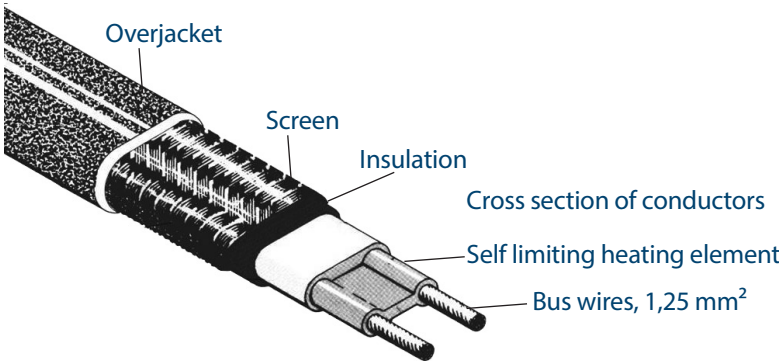
| Type                                | Value                                |
|-------------------------------------|--------------------------------------|
| Nominal voltage                     | 230 V AC                             |
| Nominal output                      | 18 W/m @ 0 °C                        |
| Output tolerance (min-max)          | 15,4-23,1 W/m @ 10 °C                |
| Maximum permissible use temperature | 65 °C, powered<br>85 °C, unpowered   |
| Minimum installation temperature    | -5 °C                                |
| Cable dimensions                    | 11,8 mm x 5,8 mm (+/- 0,4 mm)        |
| Outer sheath                        | UV protected, black TPE              |
| Screen                              | Tinned copper braid, 1,25 mm²        |
| Minimum braid coverage              | 80%                                  |
| Maximum resistance protective braid | 14,8 Ω/Km                            |
| Bending Ø, min.                     | 50 mm (Ø to the inside of the cable) |
| IP Class                            | IPX7                                 |

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Types: DEVlceguard™ 18 (B) Drum Goods

| Item no. | Length        | Min-max length per drum | Number of length allowed on drum, max | Nominal output @ 0 °C | EAN no.       |
|----------|---------------|-------------------------|---------------------------------------|-----------------------|---------------|
| 98300810 | Drum, 100 m   | 100 m                   | 1                                     | 18 W/m                | 5703466177198 |
| 98300809 | Drum, 300 m   | 300 m                   | 1                                     | 18 W/m                | 5703435005576 |
| 140F8512 | Drum, 800 m   | 800 m                   | 1                                     | 18 W/m                | 5703466096581 |
| 140F8513 | Cut-to-length | 1 - 800 m               | 1, max. 800 m                         | 18 W/m                | 5703466193372 |

Construction

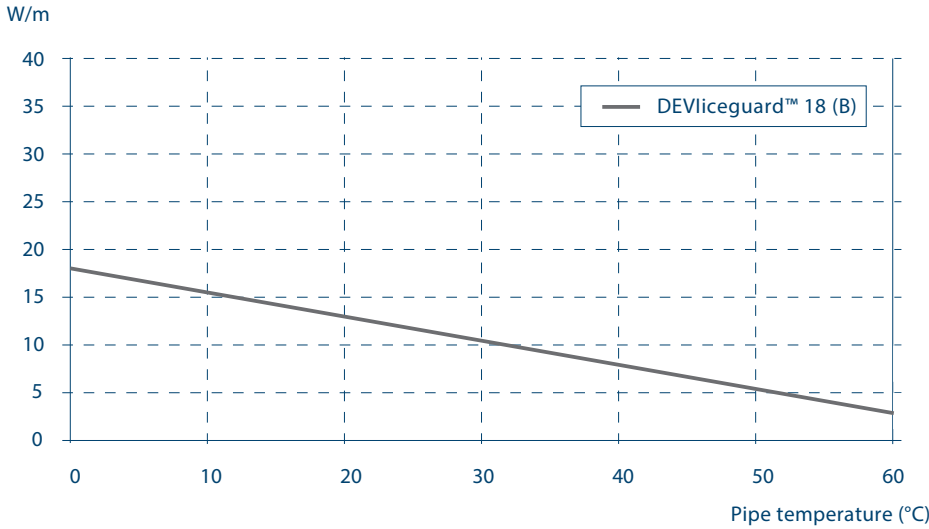


- Nickel plated copper bus wires
- Radiation Cross-Linked Semiconductive Heating Matrix
- Radiation Cross-Linked Primary Dielectric Insulation
- Tinned copper braid
- Polyolefin over jacket

Maximum heating circuit length on a pipe, with circuit breaker with C-characteristic

| Switch on temperature | Power W/m | DEVlceguard™ 18 (B) |      |      |      |      |
|-----------------------|-----------|---------------------|------|------|------|------|
|                       |           | 10 A                | 16 A | 20 A | 25 A | 32 A |
| 30 °C                 | 10,6      | 142                 | 165  | 165  | 165  | 165  |
| 20 °C                 | 12,8      | 119                 | 165  | 165  | 165  | 165  |
| 10 °C                 | 15,0      | 102                 | 164  | 165  | 165  | 165  |
| 0 °C                  | 17,2      | 90                  | 144  | 165  | 165  | 165  |
| 0 °C ice water        | 22,0      | 64                  | 85   | 97   | 97   | 97   |
| -10 °C                | 19,5      | 80                  | 128  | 160  | 165  | 165  |
| -20 °C                | 21,7      | 72                  | 115  | 144  | 165  | 165  |
| -30 °C                | 23,9      | 66                  | 105  | 131  | 164  | 165  |

Power output characteristic  
Output of heating cable installed and measured on a pipe.





DEVlceguard™ 18 (T) Drum Goods

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The DEVlceguard™ is a self-limiting parallel heating cable that is used for ice and snow melting on roofs and in gutters and downpipes. DEVlceguard™ heating cables should not be in direct contact with bitumen roofs. The self-limiting capability of the cable ensures that the output of the cable increase or decrease according to ambient temperature.

The heating cable is flexible and easy to install as it can be cut to length at site and installed directly on to the roof and gutter system. All self-limiting heating cables must be over-temperature protected by a thermostat, as the output will decrease, but never be zero, the circuit must be protected by a RCD with a maximum trip current of 30 mA.

Benefits:

- Easy to install
- Cut to length on site

Standard compliance:

- EN 62395-1: 2013

Compliance symbols:



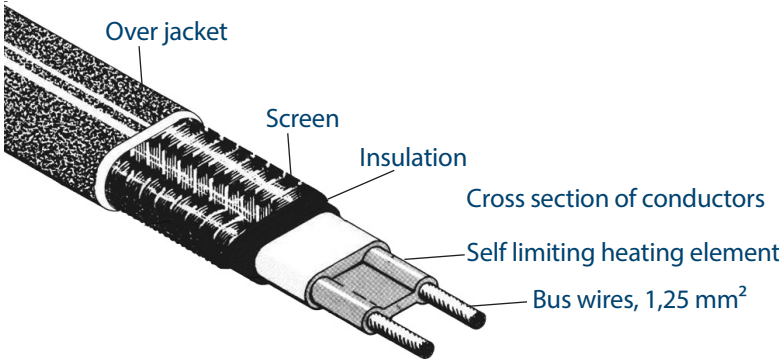
| Type                                | Value                                |
|-------------------------------------|--------------------------------------|
| Nominal voltage                     | 230 V AC                             |
| Nominal output                      | 20 W/m @ 0 °C (18 W/m @ 10 °C)       |
| Output tolerance (min-max)          | 19,6 - 26,3 W/m @ 10 °C              |
| Maximum permissible use temperature | 65 °C, powered<br>85 °C, unpowered   |
| Minimum installation temperature    | -5 °C                                |
| Cable dimensions                    | 11,3 × 5,8 mm                        |
| Outer sheath                        | Black UV protected, TPE              |
| Screen                              | Tinned copper braid, 1,3 mm²         |
| Minimum braid coverage              | 80%                                  |
| Maximum resistance protective braid | 14,8 Ω/Km                            |
| Bending Ø, min.                     | 64 mm (Ø to the inside of the cable) |
| IP Class                            | IPX7                                 |

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Types: DEVlceguard™ 18 Drum Goods

| Item no. | Length        | Min-max length per drum | Number of length allowed on drum, max | Nominal output @ 10 °C | EAN no.       |
|----------|---------------|-------------------------|---------------------------------------|------------------------|---------------|
| 98300860 | Drum, 100 m   | 100 m                   | 1                                     | 18 W/m                 | 5703466213483 |
| 98300861 | Drum, 250 m   | 250 m                   | 1                                     | 18 W/m                 | 5703466213490 |
| 98300862 | Drum, 750 m   | 750-787,5 m             | 1                                     | 18 W/m                 | 5703466213506 |
| 140F8511 | Cut-to-length | 1 - 750 m               | 1, max. 750 m                         | 18 W/m                 | 5703466213926 |

Construction



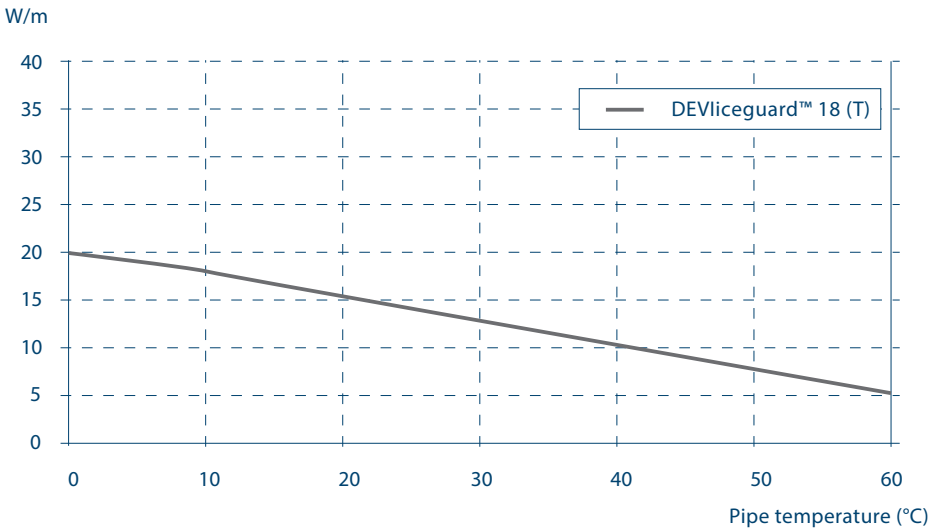
- Nickel plated copper bus wires
- Radiation Cross-Linked Semiconductive Heating Matrix
- Radiation Cross-Linked Primary Dielectric Insulation
- Tinned copper braid
- Polyolefin over jacket

Maximum heating circuit length on a pipe, with circuit breaker with C-characteristic

| Switch on temperature | Power W/m | DEVlceguard™ 18 (T) |      |      |      |      |
|-----------------------|-----------|---------------------|------|------|------|------|
|                       |           | 10 A                | 16 A | 20 A | 25 A | 32 A |
| 10 °C                 | 18        | 51                  | 82   | 103  | 129  | 129  |
| 0 °C ice water        | 38        | 38                  | 60   | 75   | 94   | 95   |
| -10 °C                | 43        | 34                  | 54   | 68   | 85   | 95   |
| -20 °C                | 49        | 30                  | 50   | 60   | 75   | 95   |
| -30 °C                | 54        | 27                  | 44   | 55   | 69   | 88   |
| -40 °C                | 60        | 25                  | 40   | 50   | 62   | 80   |

Power output characteristic

Output of heating cable installed and measured on a pipe.





DEVlceguard™ 18 (T) Ready-made

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The DEVlceguard™ is a self-limiting parallel heating cable that is used for ice and snow melting on roofs and in gutters and downpipes. DEVlceguard™ heating cables should not be in direct contact with bitumen. The self-limiting capability of the cable ensures that the output of the cable increase or decrease according to ambient temperature.

The heating cable is flexible and easy to install as it can be cut to length at site and installed directly on to the roof and gutter system. All self-limiting heating cables must be over-temperature protected by a thermostat, as the output will decrease, but never be zero, and be protected by a RCD with a maximum trip current of 30 mA.

**Benefits:**

- Easy to install
- Cut to length on site
- Ready-made lengths

**Standard compliance:**

- SS 424 24 11: 1992
- EN/IEC 62395-1: 2013

**Compliance symbols:**



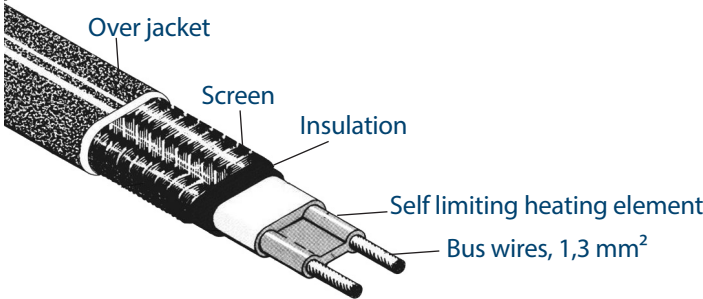
| Type                                | Value                                    |
|-------------------------------------|------------------------------------------|
| Nominal voltage                     | 230 V AC                                 |
| Nominal output                      | 20 W/m @ 0 °C (18 W/m @ 10 °C)           |
| Output tolerance (min-max)          | 19,6 - 26,3 W/m @ 10 °C                  |
| Maximum permissible use temperature | 65 °C, powered<br>85 °C, unpowered       |
| Minimum installation temperature    | -5 °C                                    |
| Cable dimensions                    | 11,3 × 5,8 mm                            |
| Outer sheath                        | Black UV protected, TPE                  |
| Screen                              | Tinned copper braid, 1,3 mm <sup>2</sup> |
| Minimum braid coverage              | 80%                                      |
| Maximum resistance protective braid | 14,8 Ω/Km                                |
| Cold lead                           | 5 m DTCL, 3G 1,5mm <sup>2</sup>          |
| Bending Ø, min.                     | 64 mm (Ø to the inside of the cable)     |
| IP Class                            | IPX7                                     |

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Types: DEVlceguard™ 18 (T) Ready-made

| Item no. | Length | Nominal output @ 10 °C | Cold lead | EAN no.       |
|----------|--------|------------------------|-----------|---------------|
| 98300835 | 2 m    | 36 W                   | 5 m       | 5703466202678 |
| 98300836 | 4 m    | 72 W                   | 5 m       | 5703466202685 |
| 98300837 | 6 m    | 108 W                  | 5 m       | 5703466202692 |
| 98300838 | 8 m    | 144 W                  | 5 m       | 5703466202708 |
| 98300839 | 10 m   | 180 W                  | 5 m       | 5703466202715 |
| 98300840 | 15 m   | 270 W                  | 5 m       | 5703466202722 |
| 98300841 | 23 m   | 414 W                  | 5 m       | 5703466202739 |
| 98300842 | 30 m   | 540 W                  | 5 m       | 5703466202746 |
| 98300843 | 50 m   | 900 W                  | 5 m       | 5703466202753 |

Construction

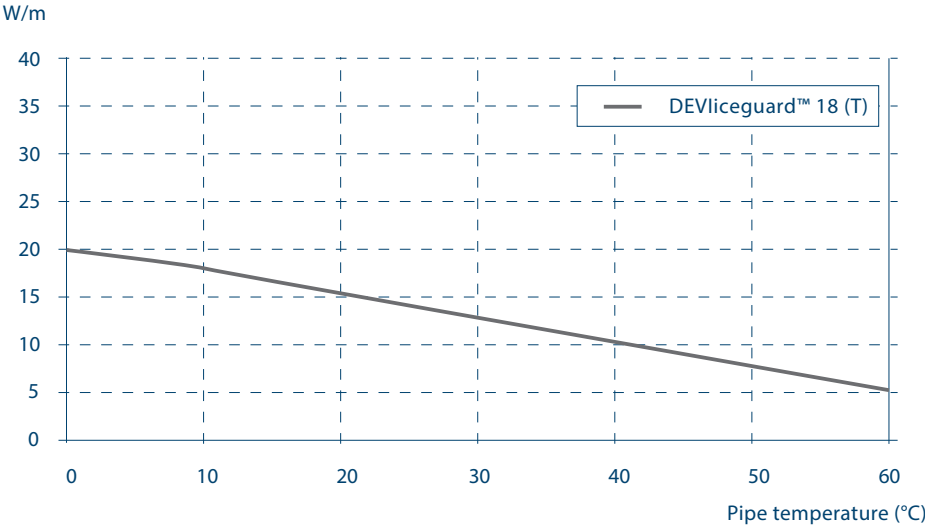


- Nickel plated copper bus wires
- Radiation Cross-Linked Semiconductive Heating Matrix
- Radiation Cross-Linked Primary Dielectric Insulation
- Tinned copper braid
- Polyolefin over jacket

Maximum heating circuit length on a pipe, with circuit breaker with C-characteristic

| Switch on temperature | Power W/m | DEVlceguard™ 18 (T) |      |      |      |      |
|-----------------------|-----------|---------------------|------|------|------|------|
|                       |           | 10 A                | 16 A | 20 A | 25 A | 32 A |
| 10 °C                 | 18        | 51                  | 82   | 103  | 129  | 129  |
| 0 °C ice water        | 38        | 38                  | 60   | 75   | 94   | 95   |
| -10 °C                | 43        | 34                  | 54   | 68   | 85   | 95   |
| -20 °C                | 49        | 30                  | 50   | 60   | 75   | 95   |
| -30 °C                | 54        | 27                  | 44   | 55   | 69   | 88   |
| -40 °C                | 60        | 25                  | 40   | 50   | 62   | 80   |

Power output characteristic  
Output of heating cable installed and measured on a pipe.



# DEVIhotwatt™ 45 / 55 / 70



Make it easy,  
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The DEVIhotwatt™ is a self-limiting heating cable that is used for temperature

maintenance of hot water supply and other fluids that need to maintain a certain temperature. The self-limiting capability of the cable ensures that the output of the cable increase or decrease according to ambient temperature. DEVIhotwatt™ ensures hot water in all taps and savings when circulation of the whole pipe system is unnecessary. All self-limiting heating cables must be over-

temperature protected by a thermostat, as the output will decrease, but never be zero, and be protected by a RCD with a maximum trip current of 30 mA. The cable is not approved for use in drinking water. \*An EPD is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

**Benefits:**

- Cut to length on site
- Black version is UV protected
- PVC free

**Standard compliance:**

- DIN VDE 0254: 1994-06

**Compliance symbols:**

| Type                                                                                | Value                                                                                                                 |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Nominal voltage                                                                     | 230 V AC                                                                                                              |
| Nominal output (min-max) :<br>DEVIhotwatt™ 45<br>DEVIhotwatt™ 55<br>DEVIhotwatt™ 70 | 7 W/m @ 45 °C (6,5-9,5 W/m @ 45 °C)<br>9 W/m @ 55 °C (8,5-13,0 W/m @ 55 °C)<br>12 W/m @ 70 °C (11,3-15,2 W/m @ 70 °C) |
| Outer sheath:<br>DEVIhotwatt™ 45<br>DEVIhotwatt™ 55<br>DEVIhotwatt™ 70              | Black, TPE<br>Green, TPE<br>Red, TPE                                                                                  |
| Maximum permissible use temperature                                                 | 80 °C, powered<br>100 °C, unpowered                                                                                   |
| Minimum installation temperature                                                    | -5 °C                                                                                                                 |
| Cable dimensions                                                                    | 11,8 mm × 5,8 mm                                                                                                      |
| Screen                                                                              | Tinned copper braid, 1,25 mm²                                                                                         |
| Minimum braid coverage                                                              | 70%                                                                                                                   |
| Maximum resistance protective braid                                                 | 18,2 Ω/Km                                                                                                             |
| Bending Ø, min.                                                                     | 50 mm (Ø to the inside of the tape)                                                                                   |
| IP Class                                                                            | IPX7                                                                                                                  |

Types: DEVIhotwatt™ 45

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| Item no. | Length        | Min-max length per drum | Number of length allowed on drum, max | Nominal output @ 45 °C | EAN no.       |
|----------|---------------|-------------------------|---------------------------------------|------------------------|---------------|
| 98300955 | Drum, 300 m   | 300 m                   | 1                                     | 7 W/m                  | 5703466109144 |
| 140F8508 | Cut-to-length | 1 - 300 m               | 1, max. 300 m                         | 7 W/m                  | 5703466195925 |

Types: DEVIhotwatt™ 55

| Item no. | Length        | Min-max length per drum | Number of length allowed on drum, max | Nominal output @ 55 °C | EAN no.       |
|----------|---------------|-------------------------|---------------------------------------|------------------------|---------------|
| 98300958 | Drum, 100 m   | 100 m                   | 1                                     | 9 W/m                  | 5703466177204 |
| 98300957 | Drum, 300 m   | 300 m                   | 1                                     | 9 W/m                  | 5703435005613 |
| 140F8509 | Cut-to-length | 1 - 300 m               | 1, max. 300 m                         | 9 W/m                  | 5703466193389 |

Types: DEVIhotwatt™ 70

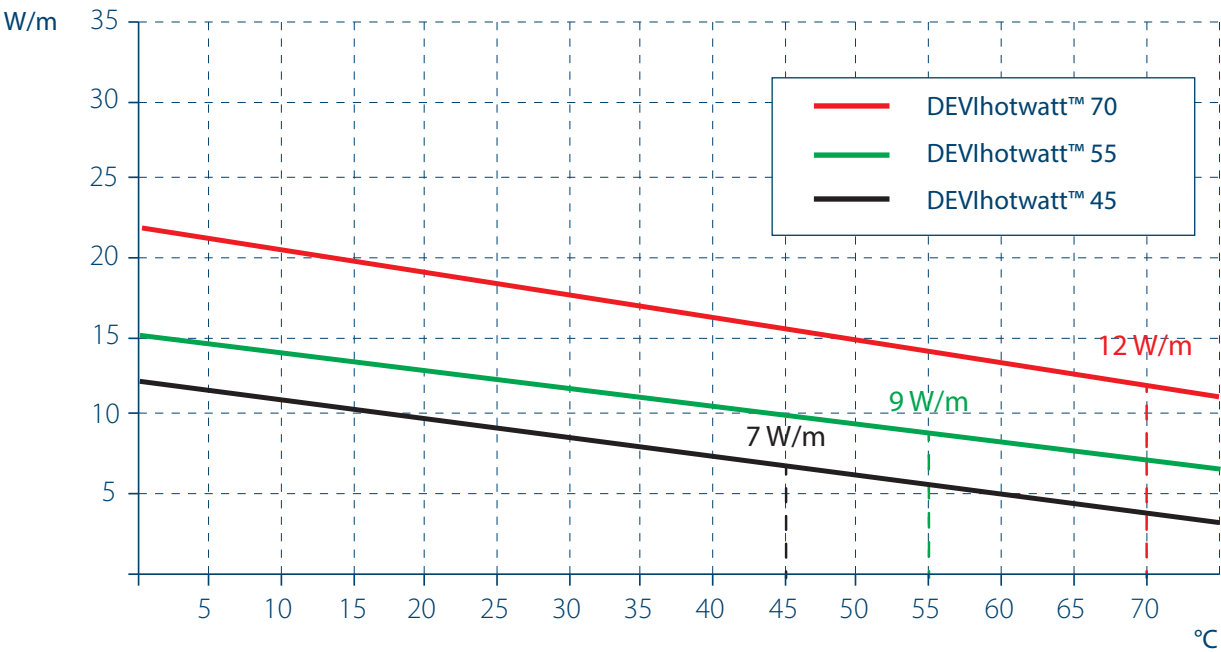
| Item no. | Length        | Min-max length per drum | Number of length allowed on drum, max | Nominal output @ 70 °C | EAN no.       |
|----------|---------------|-------------------------|---------------------------------------|------------------------|---------------|
| 140F8507 | Drum, 300 m   | 300 m                   | 1                                     | 12 W/m                 | 5703466109151 |
| 140F8510 | Cut-to-length | 1 - 300 m               | 1, max. 300 m                         | 12 W/m                 | 5703466193396 |

Maximum heating circuit length on a pipe, with circuit breaker with C-characteristic

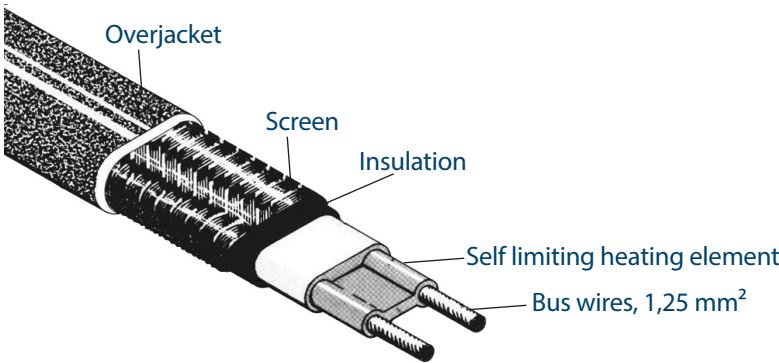
| Switch on temperature | Power W/m | DEVIhotwatt™ 45 |      |      |      |      | Power W/m | DEVIhotwatt™ 55 |      |      |      |      | Power W/m | DEVIhotwatt™ 70 |      |      |      |      |
|-----------------------|-----------|-----------------|------|------|------|------|-----------|-----------------|------|------|------|------|-----------|-----------------|------|------|------|------|
|                       |           | 10 A            | 16 A | 20 A | 25 A | 32 A |           | 10 A            | 16 A | 20 A | 25 A | 32 A |           | 10 A            | 16 A | 20 A | 25 A | 32 A |
| 20 °C                 | 10,3      | 153             | 231  | 231  | 231  | 231  | 12,5      | 108             | 173  | 188  | 188  | 188  | 19,5      | 99              | 146  | 146  | 146  | 146  |
| 10 °C                 | 11,6      | 144             | 230  | 231  | 231  | 231  | 13,5      | 102             | 164  | 188  | 188  | 188  | 21        | 71              | 113  | 142  | 146  | 146  |
| -10 °C                | 14,3      | 129             | 203  | 231  | 231  | 231  | 15,5      | 93              | 148  | 185  | 188  | 188  | 24        | 45              | 72   | 90   | 113  | 143  |
| -25 °C                | 16,3      | 119             | 191  | 231  | 231  | 231  | 17        | 86              | 138  | 173  | 188  | 188  | 26,3      | 37              | 64   | 80   | 103  | 133  |

Power output characteristic

Output of heating cable installed and measured on a pipe.



Construction



- Nickel plated copper bus wires
- Radiation Cross-Linked Semiconductive Heating Matrix
- Radiation Cross-Linked Primary Dielectric Insulation
- Tinned copper braid
- Polyolefin over jacket

DEVImulti™ PVC



DEVImulti™ PVC is a high-quality, 4-conductor cable with an outer sheath made of PVC and specially designed for frost protection of long pipes.

**Note:** It is the full responsibility of the installer/designer to use proper cold lead dimensioned for the purpose and assembly sets that establish sufficient mechanical strength, flammability resistance and water tightness - and to design the heating unit with correct output for the specific application to avoid overheating of the cable or building materials.

Additionally cable is used in multiple outdoor ground, frost protection, etc., applications. Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption. The cable is constructed of 4 identical conductors. The conductors can be connected in different ways (parallel and/or serial), meaning that the same cable can provide up to 11 different outputs, depending on the connection made. DEVImulti™ PVC is very flexible and therefore perfectly suited for external installation on pipes, it can be supplied in 3 versions with different resistance values. The cables are not approved for use in contact with water for human consumption. DEVImulti™ can be customized for the specific project, depending on voltage, required output, length of heating cable and length of cold leads.

| Benefits:                                                                                                                                           | Type                                        | Value                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------------|
| <ul style="list-style-type: none"><li>• Easy to install</li><li>• Various Ohmic output</li><li>• Safe and robust</li><li>• Long life-time</li></ul> | Operation voltage, max.                     | Uo/U = 300/500 V~                 |
|                                                                                                                                                     | Construction                                | 4-conductor, round                |
|                                                                                                                                                     | Max. permissible use temperature, powered   | 70 °C                             |
|                                                                                                                                                     | Max. permissible use temperature, unpowered | 90 °C                             |
|                                                                                                                                                     | Cable dimensions, max.                      | Ø 8 mm                            |
| <b>Standard compliance:</b> <ul style="list-style-type: none"><li>• IEC 60800:1992</li><li>• EN 50581:2012</li></ul>                                | Deformation strength, min.                  | 600 N                             |
|                                                                                                                                                     | Pulling strength, min                       | 120 N                             |
|                                                                                                                                                     | Conductor insulation                        | FEP                               |
|                                                                                                                                                     | Filler sheath                               | PVC                               |
|                                                                                                                                                     | Outer sheath: DEVImulti™ PVC                | PVC, red                          |
|                                                                                                                                                     | Screen                                      | 1 mm <sup>2</sup> (16 x 0,286 mm) |
|                                                                                                                                                     | Min. installation temperature               | 0 °C                              |
|                                                                                                                                                     | Bending Ø, min.                             | 6 x cable diameter                |
|                                                                                                                                                     | IP Class                                    | IPX7                              |

Types: DEVImulti™ PVC (DMIH)

| Item no. | Resistance                      | Conductor Ø | Order length         | EAN no.       |
|----------|---------------------------------|-------------|----------------------|---------------|
| 89999140 | 4 x 2,5 Ohm/m (Constantan wire) | 0,96 mm     | 1000-1200 m (+/- 2%) | 5703466039359 |
| 89999142 | 4 x 0,220 Ohm/m (Brass wire)    | 0,771 mm    |                      | 5703466039366 |
| 89999144 | 4 x 0,027 Ohm/m (Copper wire)   | 1,02 mm     |                      | 5703466039373 |

Accessories

| Item no. | Type                                         | Description                                                                         | EAN no.       |
|----------|----------------------------------------------|-------------------------------------------------------------------------------------|---------------|
| 19805712 | DEVICrimp assembly set DK 4-cond, type CS-4A | Assembly set for 4-conductors cable for 2 connections: cold tail and end muff.      | 5703466003855 |
| 19805480 | DEVICrimp assembly set DK 4-cond, type CS-4B | Assembly set for 4-conductors cable for 1 connection: either cold tail or end muff. | 5703466003824 |
| 19805076 | Tape aluminium 38 mm x 50 m                  | Self-adhesive, with 2-colour warning label, max. 75 °C                              | 5703435003053 |

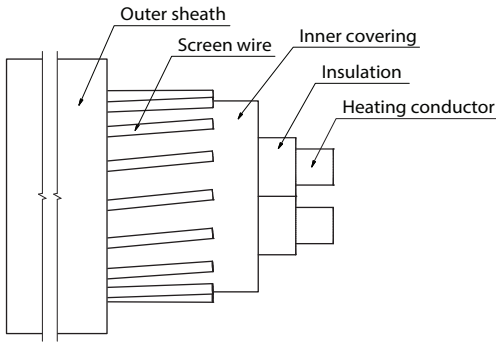
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Recommended maximum output per metre cable

| Installation                                           | Output, max |
|--------------------------------------------------------|-------------|
| Molded in concrete                                     | 30 W/m      |
| Mounted on plastic pipes below insulation with alufoil | 10 W/m      |
| Mounted on metal pipes below insulation with alufoil   | 20 W/m      |
| Fitted in a drain pipe                                 | 15 W/m      |
| Mounted in water pipes (enclosed by water)             | 30 W/m      |

Always remember thermostat control – sensor placed on / in media.  
**Notice:** plastic pipes can melt at too high cable linear output and max. 10 W/m should be recommended.

Cable construction



Ohm values and lengths for couplings 1-11 with different outputs for for 4-conductor heating cable

**Coupling 1-10: 1 phase / 2 phase. Coupling 11: 3 phase (Y connection type).**  
When designing and selecting the coupling method, ensure that the load is distributed equally between heat conductors as much as possible. Connection to one cable side marked "T" – twin connection end, connection to two cable sides marked "S" – single connection ends.

| Coupling diagrams | Rx = 0,027 Ohm/m     |        |       |       |       |       | Rx = 0,22 Ohm/m      |        |       |       |       |       | Rx = 2,5 Ohm/m       |        |       |       |       |       |
|-------------------|----------------------|--------|-------|-------|-------|-------|----------------------|--------|-------|-------|-------|-------|----------------------|--------|-------|-------|-------|-------|
|                   | R <sub>z</sub> Ohm/m | p, W/m | 230 V |       | 400 V |       | R <sub>z</sub> Ohm/m | p, W/m | 230 V |       | 400 V |       | R <sub>z</sub> Ohm/m | p, W/m | 230 V |       | 400 V |       |
|                   |                      |        | L, m  | P, W* | L, m  | P, W* |                      |        | L, m  | P, W* | L, m  | P, W* |                      |        | L, m  | P, W* | L, m  | P, W* |
| 1 T               | 0,108                | 30     | 128   | 3833  | 222   | 6667  | 0,88                 | 30     | 45    | 1343  | 78    | 2335  | 10                   | 30     | 13,3  | 398   | 23,1  | 693   |
|                   |                      | 20     | 156   | 3130  | 272   | 5443  |                      | 20     | 55    | 1096  | 95    | 1907  |                      | 20     | 16,3  | 325   | 28,3  | 566   |
|                   |                      | 15     | 181   | 2711  | 314   | 4714  |                      | 15     | 63    | 950   | 110   | 1651  |                      | 15     | 18,8  | 282   | 32,7  | 490   |
|                   |                      | 10     | 221   | 2213  | 385   | 3849  |                      | 10     | 78    | 775   | 135   | 1348  |                      | 10     | 23,0  | 230   | 40,0  | 400   |
| 2 S               | 0,081                | 30     | 148   | 4426  | 257   | 7698  | 0,66                 | 30     | 52    | 1551  | 90    | 2697  | 7,5                  | 30     | 15,3  | 460   | 26,7  | 800   |
|                   |                      | 20     | 181   | 3614  | 314   | 6285  |                      | 20     | 63    | 1266  | 110   | 2202  |                      | 20     | 18,8  | 376   | 32,7  | 653   |
|                   |                      | 15     | 209   | 3130  | 363   | 5443  |                      | 15     | 73    | 1096  | 127   | 1907  |                      | 15     | 21,7  | 325   | 37,7  | 566   |
|                   |                      | 10     | 256   | 2556  | 444   | 4444  |                      | 10     | 90    | 895   | 156   | 1557  |                      | 10     | 26,6  | 266   | 46,2  | 462   |
| 3 S               | 0,0675               | 30     | 162   | 4849  | 281   | 8433  | 0,55                 | 30     | 57    | 1699  | 98    | 2954  | 6,25                 | 30     | 16,8  | 504   | 29,2  | 876   |
|                   |                      | 20     | 198   | 3959  | 344   | 6885  |                      | 20     | 69    | 1387  | 121   | 2412  |                      | 20     | 20,6  | 411   | 35,8  | 716   |
|                   |                      | 15     | 229   | 3429  | 398   | 5963  |                      | 15     | 80    | 1201  | 139   | 2089  |                      | 15     | 23,8  | 356   | 41,3  | 620   |
|                   |                      | 10     | 280   | 2799  | 487   | 4869  |                      | 10     | 98    | 981   | 171   | 1706  |                      | 10     | 29,1  | 291   | 50,6  | 506   |
| 4 T               | 0,054                | 30     | 181   | 5421  | 314   | 9428  | 0,44                 | 30     | 63    | 1899  | 110   | 3303  | 5                    | 30     | 18,8  | 563   | 32,7  | 980   |
|                   |                      | 20     | 221   | 4426  | 385   | 7698  |                      | 20     | 78    | 1551  | 135   | 2697  |                      | 20     | 23,0  | 460   | 40,0  | 800   |
|                   |                      | 15     | 256   | 3833  | 444   | 6667  |                      | 15     | 90    | 1343  | 156   | 2335  |                      | 15     | 26,6  | 398   | 46,2  | 693   |
|                   |                      | 10     | 313   | 3130  | 544   | 5443  |                      | 10     | 110   | 1096  | 191   | 1907  |                      | 10     | 32,5  | 325   | 56,6  | 566   |
| 5 T               | 0,0405               | 30     | 209   | 6260  | 363   | 10887 | 0,33                 | 30     | 73    | 2193  | 127   | 3814  | 3,75                 | 30     | 21,7  | 651   | 37,7  | 1131  |
|                   |                      | 20     | 256   | 5111  | 444   | 8889  |                      | 20     | 90    | 1791  | 156   | 3114  |                      | 20     | 26,6  | 531   | 46,2  | 924   |
|                   |                      | 15     | 295   | 4426  | 513   | 7698  |                      | 15     | 103   | 1551  | 180   | 2697  |                      | 15     | 30,7  | 460   | 53,3  | 800   |
|                   |                      | 10     | 361   | 3614  | 629   | 6285  |                      | 10     | 127   | 1266  | 220   | 2202  |                      | 10     | 37,6  | 376   | 65,3  | 653   |
| 6 T               | 0,036                | 30     | 221   | 6640  | 385   | 11547 | 0,2933               | 30     | 78    | 2326  | 135   | 4045  | 3,333                | 30     | 23,0  | 690   | 40,0  | 1200  |
|                   |                      | 20     | 271   | 5421  | 471   | 9428  |                      | 20     | 95    | 1899  | 165   | 3303  |                      | 20     | 28,2  | 563   | 49,0  | 980   |
|                   |                      | 15     | 313   | 4695  | 544   | 8165  |                      | 15     | 110   | 1645  | 191   | 2860  |                      | 15     | 32,5  | 488   | 56,6  | 849   |
|                   |                      | 10     | 383   | 3833  | 667   | 6667  |                      | 10     | 134   | 1343  | 234   | 2335  |                      | 10     | 39,8  | 398   | 69,3  | 693   |
| 7 T               | 0,027                | 30     | 256   | 7667  | 444   | 13333 | 0,22                 | 30     | 90    | 2686  | 156   | 4671  | 2,5                  | 30     | 26,6  | 797   | 46,2  | 1386  |
|                   |                      | 20     | 313   | 6260  | 544   | 10887 |                      | 20     | 110   | 2193  | 191   | 3814  |                      | 20     | 32,5  | 651   | 56,6  | 1131  |
|                   |                      | 15     | 361   | 5421  | 629   | 9428  |                      | 15     | 127   | 1899  | 220   | 3303  |                      | 15     | 37,6  | 563   | 65,3  | 980   |
|                   |                      | 10     | 443   | 4426  | 770   | 7698  |                      | 10     | 155   | 1551  | 270   | 2697  |                      | 10     | 46,0  | 460   | 80,0  | 800   |

| Coupling diagrams                                                                                              | Rx = 0,027 Ohm/m             |           |       |       |       |       | Rx = 0,22 Ohm/m              |        |      |       |       |       | Rx = 2,5 Ohm/m               |        |      |       |       |       |
|----------------------------------------------------------------------------------------------------------------|------------------------------|-----------|-------|-------|-------|-------|------------------------------|--------|------|-------|-------|-------|------------------------------|--------|------|-------|-------|-------|
|                                                                                                                | R <sub>z</sub><br>Ohm/m      | p,<br>W/m | 230 V |       | 400 V |       | R <sub>z</sub><br>Ohm/m      | 230 V  |      |       | 400 V |       | R <sub>z</sub><br>Ohm/m      | 230 V  |      |       | 400 V |       |
|                                                                                                                |                              |           | L, m  | P, W* | L, m  | P, W* |                              | p, W/m | L, m | P, W* | L, m  | P, W* |                              | p, W/m | L, m | P, W* | L, m  | P, W* |
| <div>8 S</div> <div></div>    | 0,0135                       | 30        | 361   | 10842 | 629   | 18856 | 0,11                         | 30     | 127  | 3798  | 220   | 6606  | 1,25                         | 30     | 38   | 1127  | 65    | 1960  |
| 20                                                                                                             |                              | 443       | 8853  | 770   | 15396 | 20    |                              | 155    | 3101 | 270   | 5394  | 20    |                              | 46     | 920  | 80    | 1600  |       |
| 15                                                                                                             |                              | 511       | 7667  | 889   | 13333 | 15    |                              | 179    | 2686 | 311   | 4671  | 15    |                              | 53     | 797  | 92    | 1386  |       |
| 10                                                                                                             |                              | 626       | 6260  | 1089  | 10887 | 10    |                              | 219    | 2193 | 381   | 3814  | 10    |                              | 65     | 651  | 113   | 1131  |       |
| <div>9 S</div> <div></div>    | 0,009                        | 30        | 443   | 13279 | 770   | 23094 | 0,0733                       | 30     | 155  | 4652  | 270   | 8090  | 0,8333                       | 30     | 46   | 1380  | 80    | 2400  |
| 20                                                                                                             |                              | 542       | 10842 | 943   | 18856 | 20    |                              | 190    | 3798 | 330   | 6606  | 20    |                              | 56     | 1127 | 98    | 1960  |       |
| 15                                                                                                             |                              | 626       | 9390  | 1089  | 16330 | 15    |                              | 219    | 3289 | 381   | 5721  | 15    |                              | 65     | 976  | 113   | 1697  |       |
| 10                                                                                                             |                              | 767       | 7667  | 1333  | 13333 | 10    |                              | 269    | 2686 | 467   | 4671  | 10    |                              | 80     | 797  | 139   | 1386  |       |
| <div>10 S</div> <div></div>   | 0,00675                      | 30        | 511   | 15333 | 889   | 26667 | 0,055                        | 30     | 179  | 5372  | 311   | 9342  | 0,625                        | 30     | 53   | 1593  | 92    | 2771  |
| 20                                                                                                             |                              | 626       | 12520 | 1089  | 21773 | 20    |                              | 219    | 4386 | 381   | 7628  | 20    |                              | 65     | 1301 | 113   | 2263  |       |
| 15                                                                                                             |                              | 723       | 10842 | 1257  | 18856 | 15    |                              | 253    | 3798 | 440   | 6606  | 15    |                              | 75     | 1127 | 131   | 1960  |       |
| 10                                                                                                             |                              | 885       | 8853  | 1540  | 15396 | 10    |                              | 310    | 3101 | 539   | 5394  | 10    |                              | 92     | 920  | 160   | 1600  |       |
| <div>11 TY</div> <div></div> | 3x0,027<br>(0,009)<br>Y type | 30        | 256   | 7667  | 444   | 13333 | 3x0,027<br>(0,009)<br>Y type | 30     | 90   | 2686  | 156   | 4671  | 3x0,027<br>(0,009)<br>Y type | 30     | 26,6 | 797   | 46,2  | 1386  |
| 20                                                                                                             |                              | 313       | 6260  | 544   | 10887 | 20    |                              | 110    | 2193 | 191   | 3814  | 20    |                              | 32,5   | 651  | 56,6  | 1131  |       |
| 15                                                                                                             |                              | 361       | 5421  | 629   | 9428  | 15    |                              | 127    | 1899 | 220   | 3303  | 15    |                              | 37,6   | 563  | 65,3  | 980   |       |
| 10                                                                                                             |                              | 443       | 4426  | 770   | 7698  | 10    |                              | 155    | 1551 | 270   | 2697  | 10    |                              | 46,0   | 460  | 80,0  | 800   |       |

**\*Notice:** Some cables have super high output and correct size of power cold lead should be chosen according to local norms and regulations. Normally do not allowed more than 10 A for a 1,5 mm<sup>2</sup> cold lead, 16 A for a 2,5 mm<sup>2</sup> cold lead.



# DEVI<sup>®</sup>sport™



Make it easy,  
make it DEVI



DEVI<sup>®</sup>sport™ heating cable is the sturdy and cost effective single conductor heating cable for the major outdoor installations. The cable has a high mechanical strength both in relation to pulling and deformation making it ideal for installation with specialized cable ploughs.

Heating cable must be used together with an appropriate thermostat to secure

against overheating and reduce energy consumption.

The single conductor heating cable ensures an even heat generation and temperature distribution along the whole length of the cable.

DEVI<sup>®</sup>sport™ can be customized for the specific project, depending on voltage, required output, length of heating cable and length of cold leads.



**Note:** It is the full responsibility of the installer/designer to use proper cold lead dimensioned for the purpose and assembly sets that establish sufficient mechanical strength, flammability resistance and water tightness - and to design the heating unit with correct output for the specific application to avoid overheating of the cable or building materials.

## Benefits:

- Sturdy cable
- Very high pulling strength
- High deformation strength
- Screened and IPX7

## Standard compliance:

- NF-C 32-330: 2002

## Compliance symbols:



| Type                                        | Value                               |
|---------------------------------------------|-------------------------------------|
| Nominal voltage                             | U0/U = 300/500 V~                   |
| Construction                                | Round, single conductor with screen |
| Output, max                                 | 25 W/m                              |
| Max. permissible use temperature, powered   | 65 °C                               |
| Max. permissible use temperature, unpowered | 90 °C                               |
| Cable dimensions                            | Ø 8 mm                              |
| Deformation strength                        | 2000 N                              |
| Pulling strength                            | 1500 N                              |
| Conductor insulation                        | XLPE                                |
| Outer sheath                                | MDPE                                |
| Min. installation temperature               | -5 °C                               |
| Bending Ø, min.                             | 5 cm                                |
| IP Class                                    | IPX7                                |

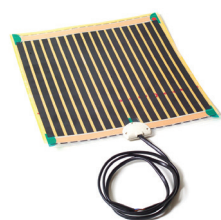
## Types: DEVI<sup>®</sup>sport™ Drum Goods

| Item no. | Resistance | EAN no.       |
|----------|------------|---------------|
| 84701442 | 0,040 Ω/m  | 5703466058480 |
| 84701444 | 0,060 Ω/m  | 5703466058497 |
| 84701446 | 0,085 Ω/m  | 5703466058503 |
| 84701448 | 0,100 Ω/m  | 5703466058510 |
| 84701450 | 0,150 Ω/m  | 5703435021552 |
| 84701452 | 0,177 Ω/m  | 5703466058527 |
| 84701454 | 0,255 Ω/m  | 5703435021569 |

# DEVIfoil™ Mirror



Make it easy,  
make it DEVI



An effective system for keeping the mirror completely steam free. Fast and easy installation where the self-adhesive side of the heating foil is placed on the back of the mirror.

Low energy consumption and automatic activation when the light is switched on.

## Benefits:

- Fast and easy installation
- Low energy consumption
- Automatic activation

## Standard compliance:

- EN 60335-1 + EN 60335-2-30

## Compliance symbols:



| Type                     | Value                |
|--------------------------|----------------------|
| Nominal voltage          | 230 V~               |
| Output                   | 200 W/m <sup>2</sup> |
| Max. ambient temperature | 80 °C                |
| IP Class                 | IP 44                |
| Protection class         | Class II -           |
| Connection cable length  | 95 cm                |
| Connection muff          | 4 x 31 x 39 mm       |

## Types: DEVIfoil™ Mirror

| Item no. | Type                  | Dimensions   | Wattage | EAN no.       |
|----------|-----------------------|--------------|---------|---------------|
| 62000000 | DEVIfoil™ Mirror 17,5 | 274 x 358 mm | 17,5 W  | 5703466180686 |
| 62000001 | DEVIfoil™ Mirror 40   | 410 x 524 mm | 40,0 W  | 5703466180693 |
| 62000002 | DEVIfoil™ Mirror 70   | 708 x 524 mm | 70,0 W  | 5703466180709 |

# DEVIreg™ InControl



Make it easy,  
make it DEVI

Product  
is covered  
by **EPD**



**DEVIreg™ InControl** is an intuitive programmable timer thermostat, with both Bluetooth and Zigbee connectivity option for combined, room or floor temperature control, complying with Eco design Lot 20, used for controlling electrical floor heating elements. The thermostat is designed for fixed installation only. The thermostat features a dial and display feature enabling intuitive control.

**DEVIreg™ InControl** is fast and intuitive to setup using the wizard in the Bluetooth app. It has an energy saving program - including an optimum start (pre-heat) control ensuring the desired temperature, with a wide range of floor sensors, at the correct time and thereby reducing the heating costs significantly.

Benefits:

- Eco design compliant Lot 20
- Works out of box
- Bluetooth and Zigbee thermostat
- In app setup wizard
- Fits Danish form factor
- Compatible with 7 sensors types
- Sensor failure monitoring
- Adaptive PWM control
- Pre Heating
- Multilanguage app
- Shine through display
- Multiple control modes
- Tested best in class design

Standard compliance:

- Ecodesign class
- TW (f4)
- Radio Equipment Directive
- LVD 60730-1, -2-7 and -2-9
  - EMC EN 301 489 -1 and -17
  - RF EN 300328

Compliance symbols:



Types: **DEVIreg™ InControl**

| Item no. | Product name       | Type                                                                   | EAN no.       |
|----------|--------------------|------------------------------------------------------------------------|---------------|
| 140F1170 | DEVIreg™ InControl | Connectable Zigbee thermostat with NTC 15 kΩ @ 25°C, 3 m sensor in box | 5703466250419 |

Bluetooth App:



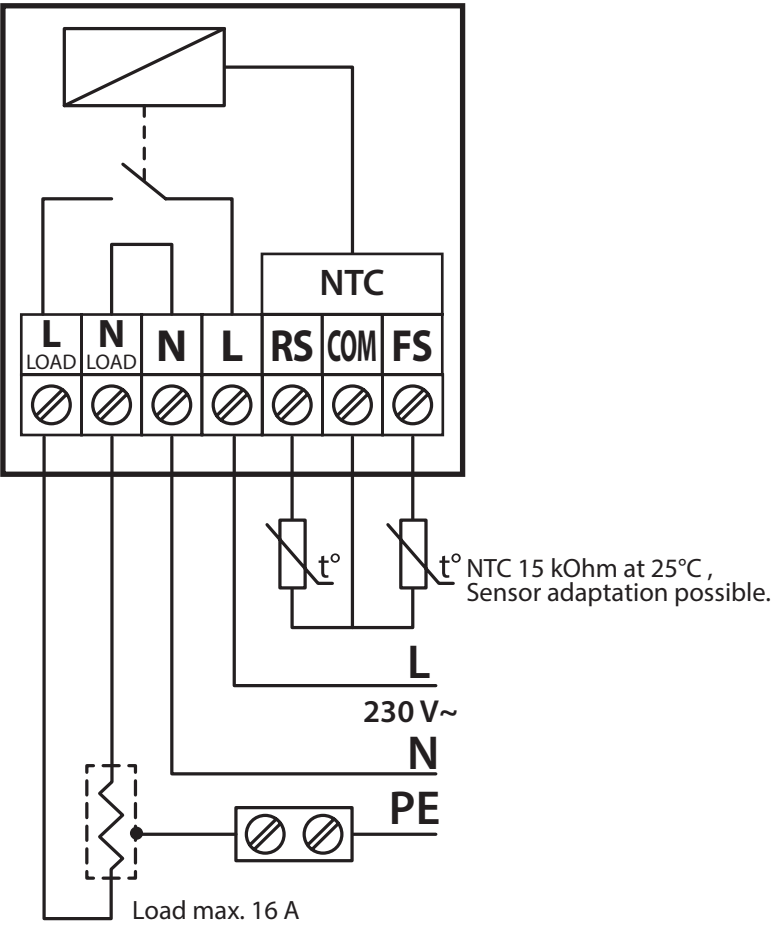
Zigbee app:



Accessories

| Item no. | Product name                               | Type                                                                                  | EAN no.       |
|----------|--------------------------------------------|---------------------------------------------------------------------------------------|---------------|
| 140F1091 | Sensor 3 m, 15 kΩm, Santoprene             | Wire sensor, 2x0,75 mm², NTC 15 kΩm at 25 °C, Ø5x18 mm, black Santoprene (TPV), IP 67 | 5703466209301 |
| 140F1098 | Temperature Sensor 10 m NTC 15k Santoprene |                                                                                       | 5703466210734 |
| 19121445 | Sensor cable 40 m, 15 kΩm, Santoprene      |                                                                                       | 5703466115015 |
| 140F1090 | Room sensor                                | Room sensor , Danish form factor, 15kΩm @ 25°C                                        | 5703466209295 |
| 140F1166 | DEVI Connect                               | Gateway for Zigbee connectivity                                                       | 5703466253199 |

Connection scheme



# DEVIreg™ Opti



The **DEVIreg™ Opti** is an electronic thermostat with a programmable timer, designed to fulfill Eco design directive. The thermostat is primarily used for controlling electrical floor heating elements. The thermostat is designed for fixed installation only and has integrated frame.

The DEVIreg™ Opti is fast to setup and easy to operate, using buttons placed below the screen. It has an open window detection function, and energy-saving regulation program.

Benefits:

- Fulfilling the Eco design directive requirements
- Open window detection and indication
- PWM regulation function
- Weekly timer
- Low stand by consumption
- Always on, visible current room temperature
- Keeps user settings for up to 60 days

Standard compliance:

- EN/IEC 60730-1 (general)
- EN/IEC 60730-2-9 (thermostat)

Compliance symbols:



| Type                                        | Value                                                                |
|---------------------------------------------|----------------------------------------------------------------------|
| Operation voltage                           | 220 - 240 V, 50/60 Hz                                                |
| Standby power consumption                   | < 0,5 W                                                              |
| Resistive load                              | 13A / 2990W @ 230V                                                   |
| Inductive load                              | 1A (Cos Φ = 0,3)                                                     |
| Sensing unit                                | NTC 15 kΩ @ 25 °C, 3 m.                                              |
| Regulation                                  | PWM - Pulse Width Modulation                                         |
| Ambient temperature                         | 0 °C to 35 °C                                                        |
| Frost protection                            | 5 °C to 9 °C (default 5 °C)                                          |
| Temperature range                           | 5 °C to 35 °C (room)<br>5 °C to 35 °C (45 °C with break out) (floor) |
| Storage temperature                         | -25 °C to 60 °C, 90% RH non-condensing                               |
| Cable specification for connector terminals | Max: 1 x 4 mm² or 2 x 2.5 mm²                                        |
| Ball pressure test temperature              | 75 °C                                                                |
| Pollution degree                            | 2 (domestic use)                                                     |
| Controller type                             | 1 B                                                                  |
| Software class                              | A                                                                    |
| IP class                                    | 21                                                                   |
| Protection class                            | Class II - □                                                         |
| Battery type or Name                        | Coin battery Manganese Lithium                                       |
| Dimensions (H/W/D)                          | 85 mm x 85 mm x 44 mm (in-wall depth: 24 mm)                         |
| Weight                                      | 138 g                                                                |

Types: DEVIreg™ Opti

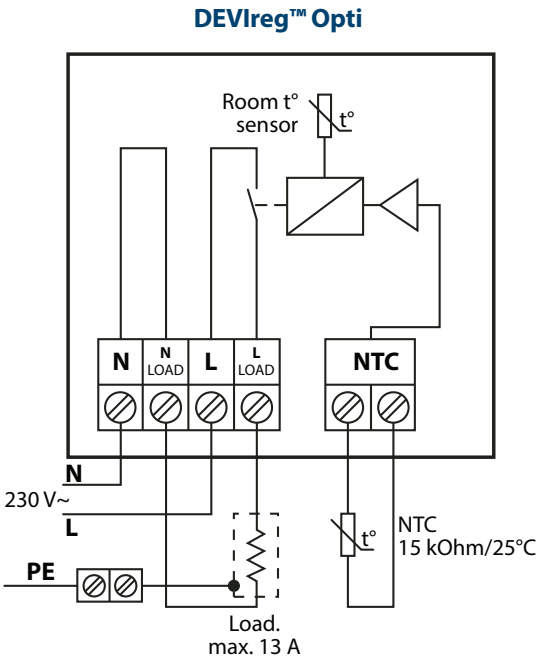
| Item no. | Product name               | Type     | EAN no.       |
|----------|----------------------------|----------|---------------|
| 140F1055 | DEVIreg™ Opti - Pure White | RAL 9010 | 5703466243152 |

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Accessories

| Item no. | Product name                               | Type                                                                                   | EAN no.       |
|----------|--------------------------------------------|----------------------------------------------------------------------------------------|---------------|
| 140F1091 | Sensor 3 m, 15 kOhm, Santoprene            | Wire sensor, 2x0,75 mm², NTC 15 kOhm at 25 °C, Ø5x18 mm, black Santoprene (TPV), IP 67 | 5703466209301 |
| 140F1098 | Temperature Sensor 10 m NTC 15k Santoprene |                                                                                        | 5703466210734 |
| 19121445 | Sensor cable 40 m, 15 kOhm, Santoprene     |                                                                                        | 5703466115015 |

Connection scheme





# DEVIreg™ Basic Polar white



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Product  
is covered  
by **EPD**



**DEVIreg™ Basic Polar white** is an intuitive programmable timer thermostat, for floor temperature control, complying with Eco design Lot 20, used for controlling electric floor heating elements. The thermostat is designed for fixed installation only. Due to the special designed 2-part construction it fits a wide range of frames in the 55 mm x 55 mm. The thermostat features a dial

for manual temperature setting, feature enabling and intuitive control. **DEVIreg™ Basic Polar white** is fast and intuitive to setup using the in app wizard. It has an energy-saving program - including an optimum start (pre-heat) control ensuring the desired temperature, at the correct time and thereby reducing the heating costs significantly.

Benefits:

- Eco design compliant Lot 20
- Works out of box
- Bluetooth thermostat
- In app setup wizard
- Fit Multiple 55x55 frames
- 7 day, 3 periods programmable
- Sensor failure monitoring
- Adaptive PWM control
- Pre-Heating
- Multilanguage app
- Shine through indicators
- Quick exchange system
- Tested best in class design

Standard compliance:

- Radio Equipment Directive
- LVD 60730-1, -2-7 and -2-9
  - EMC EN 301 489 -1 and -17
  - RF EN 300328

Compliance symbols:



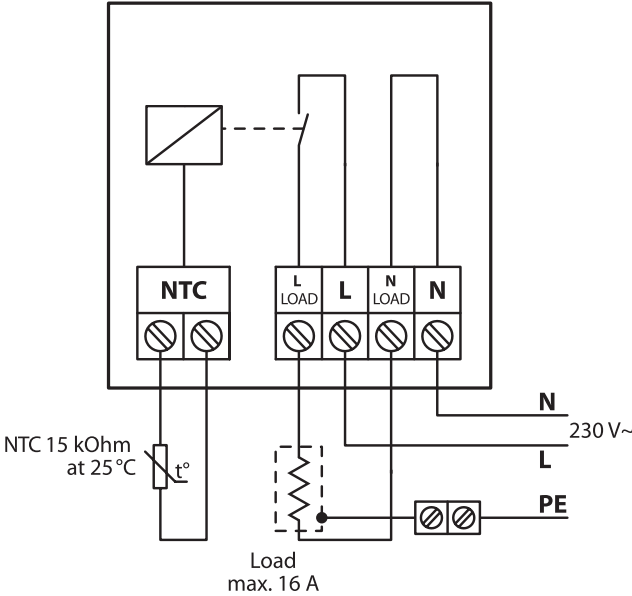
| Type                                         | Value                                             |
|----------------------------------------------|---------------------------------------------------|
| Nominal voltage                              | 220 - 240 V, 50/60 Hz                             |
| Standby power consumption, max               | 0,2 W                                             |
| Relay:                                       |                                                   |
| Resistive load                               | 16A / 3680W @ 230V                                |
| Inductive load                               | Cos Φ = 0.3 max. 1A                               |
| Compatible sensors                           | NTC 15 kΩ @ 25 °C, 3 m. (default)                 |
| Regulation                                   | PWM - Pulse Width Modulation                      |
| Frost protection                             | 4 °C - 14 °C (default 5 °C)                       |
| Temperature range                            | 5 °C to 35 °C<br>(45 °C with break out) (floor)   |
| Cable specification for connectors terminals | Max: 1 x 4 mm² or 2 x 2.5 mm²                     |
| Ball pressure test                           | 75 °C                                             |
| Pollution degree                             | 2 (domestic use)                                  |
| Software class                               | A                                                 |
| Controller type                              | 1 B                                               |
| Storage temperature and conditions           | -25 °C to 60 °C, 90% RH non-condensing            |
| Operating temperatures and conditions        | 0 °C to 35 °C, 90% RH non-condensing              |
| IP class                                     | 21                                                |
| Protection class                             | Class II -                                        |
| Immunity against voltage surges              | Over Voltage Category III                         |
| Color                                        | RAL9016 Polar white                               |
| Battery type or Name                         | Coin battery Manganese Lithium                    |
| Dimensions (H/W/D):                          | 85 mm x 85 mm x 20-24 mm<br>(in-wall depth: 22mm) |
| Weight, net                                  | 194 g                                             |

[Click to download - BIM model](#)

Accessories

| Item no. | Product name                               | Type                                                                                   | EAN no.       |
|----------|--------------------------------------------|----------------------------------------------------------------------------------------|---------------|
| 140F1091 | Sensor 3 m, 15 kOhm, Santoprene            | Wire sensor, 2x0,75 mm², NTC 15 kOhm at 25 °C, Ø5x18 mm, black Santoprene (TPV), IP 67 | 5703466209301 |
| 140F1098 | Temperature Sensor 10 m NTC 15k Santoprene |                                                                                        | 5703466210734 |
| 19121445 | Sensor cable 40 m, 15 kOhm, Santoprene     |                                                                                        | 5703466115015 |

Connection scheme



Types: DEVIreg™ Basic Polar white

| Item no. | Product name               | Type                                                                       | EAN no.       |
|----------|----------------------------|----------------------------------------------------------------------------|---------------|
| 140F1164 | DEVIreg™ Basic Polar white | Ecodesign programmable thermostat with NTC 15 kΩ @ 25°C, 3 m sensor in box | 5703466252123 |

App:



# DEVireg™ Room Polar white



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Product  
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by EPD



**DEVireg™ Room Polar white** is an intuitive programmable timer thermostat, for combined, room or floor temperature control, complying with Eco design Lot 20, used for controlling electrical floor heating elements, according to the room temperature. The thermostat is designed for fixed installation only. Due to the special designed 2-part construction it fits a wide range of frames. The thermostat features a dial for manual temperature setting, feature enabling and intuitive control. **DEVireg™ Room Polar white** is fast and intuitive to setup using the in app wizard. It has an energy saving program - including an optimum start (pre-heat) control ensuring the desired temperature, with a wide range of floor sensors, at the correct time and thereby reducing the heating costs significantly.

Benefits:

- Eco design compliant Lot 20
- Works out of box
- Bluetooth thermostat
- In app setup wizard
- Fits extensive frame selection
- Compatible with 7 sensors types
- Sensor failure monitoring
- Adaptive PWM control
- Pre Heating
- Multilanguage app
- Shine through indicators
- Quick exchange system
- Multiple control modes
- Tested best in class design

Standard compliance:

- Radio Equipment Directive
- LVD 60730-1, -2-7 and -2-9
  - EMC EN 301 489 -1 and -17
  - RF EN 300328

Compliance symbols:



Types: DEVireg™ Room Polar white

[Click to download - BIM model](#)

| Item no. | Product name              | Type                                                                     | EAN no.       |
|----------|---------------------------|--------------------------------------------------------------------------|---------------|
| 140F1165 | DEVireg™ Room Polar white | Ecodesign prog. room thermostat with NTC 15 kΩ @ 25°C, 3 m sensor in box | 5703466252147 |

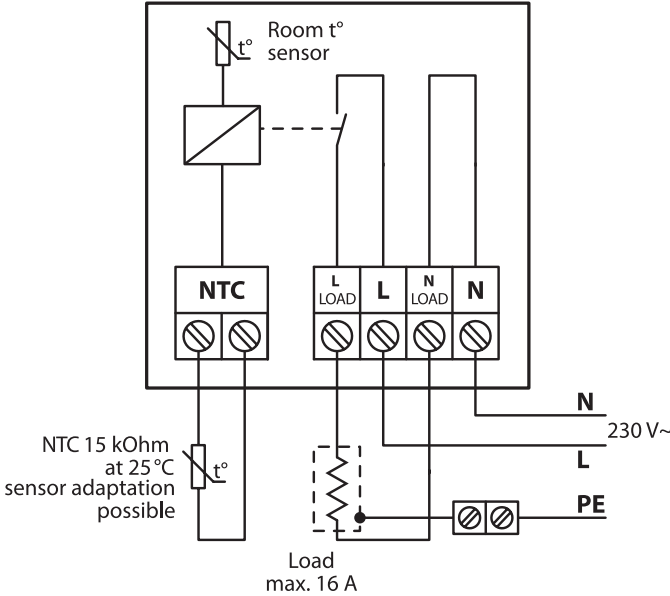
App:



Accessories

| Item no. | Product name                               | Type                                                                                  | EAN no.       |
|----------|--------------------------------------------|---------------------------------------------------------------------------------------|---------------|
| 140F1091 | Sensor 3 m, 15 kΩm, Santoprene             | Wire sensor, 2x0,75 mm², NTC 15 kΩm at 25 °C, Ø5x18 mm, black Santoprene (TPV), IP 67 | 5703466209301 |
| 140F1098 | Temperature Sensor 10 m NTC 15k Santoprene |                                                                                       | 5703466210734 |
| 19121445 | Sensor cable 40 m, 15 kΩm, Santoprene      |                                                                                       | 5703466115015 |

Connection scheme



DEVIreg™ Display Connect

NEW

DEVI

by Danfoss

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**DEVIreg™ Display Connect** is an intuitive programmable timer thermostat, with both Bluetooth and Zigbee connectivity option for combined, room or floor temperature control, complying with Eco design Lot 20, used for controlling electrical floor heating elements. The thermostat is designed for fixed installation only. Due to the special designed 2-part construction it fits a wide range of frames.

The thermostat features a dial and display feature enabling intuitive control. **DEVIreg™ Display Connect** is fast and intuitive to setup using the wizard in the Bluetooth app. It has an energy saving program - including an optimum start (pre-heat) control ensuring the desired temperature, with a wide range of floor sensors, at the correct time and thereby reducing the heating costs significantly.

Benefits:

- Eco design compliant Lot 20
- Works out of box
- Bluetooth and Zigbee thermostat
- In app setup wizard
- Fits extensive frame selection
- Compatible with 7 sensors types
- Sensor failure monitoring
- Adaptive PWM control
- Pre Heating
- Multilanguage app
- Shine through display
- Quick exchange system
- Multiple control modes
- Tested best in class design

Standard compliance:

Ecodesign class:

- TW (f4)

Radio Equipment Directive

- LVD 60730-1, -2-7 and -2-9
- EMC EN 301 489 -1 and -17
- RF EN 300328

Compliance symbols:

CE

ErC

UK

CA

30

30

30

30



Types: DEVIreg™ Display Connect

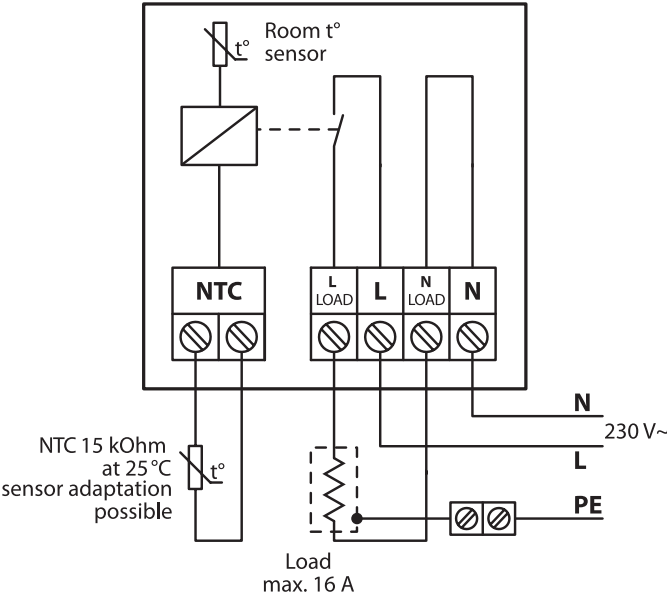
| Item no. | Product name             | Type                                                                           | EAN no.       |
|----------|--------------------------|--------------------------------------------------------------------------------|---------------|
| 140F1162 | DEVIreg™ Display Connect | Connectable Zigbee<br>room thermostat with NTC 15 kΩ @ 25°C, 3 m sensor in box | 5703466250396 |



Accessories

| Item no. | Product name                               | Type                                                                                  | EAN no.       |
|----------|--------------------------------------------|---------------------------------------------------------------------------------------|---------------|
| 140F1091 | Sensor 3 m, 15 kΩm, Santoprene             | Wire sensor, 2x0,75 mm², NTC 15 kΩm at 25 °C, Ø5x18 mm, black Santoprene (TPV), IP 67 | 5703466209301 |
| 140F1098 | Temperature Sensor 10 m NTC 15k Santoprene |                                                                                       | 5703466210734 |
| 19121445 | Sensor cable 40 m, 15 kΩm, Santoprene      |                                                                                       | 5703466115015 |
| 140F1166 | DEVI Connect                               | Gateway for Zigbee connectivity                                                       | 5703466253199 |

Connection scheme



# DEVI Connect



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**DEVI Connect** Zigbee gateway and app make it easy to manage your Zigbee-enabled devices. **DEVI Connect** is designed for the end user to access the most important features from anywhere at any time. Think of the app as a remote control for your smart home, allowing you to

adjust settings and monitor devices from anywhere. The gateway acts like a translator, helping your devices communicate with the app smoothly. The gateway only needs to be plugged into the users internet router, where it will then be possible to add to the app.

## Benefits:

- Zigbee connectivity
- In app setup
- Plug and play gateway
- Remote and local control
- Power adapter included
- Multilanguage app
- Shine through indicators for power and network
- Customizable scheduling

## Standard compliance:

- 62368-1
- EN 18031-1:2024
- EN 301489
- EN 55032
- EN 55035

## Compliance symbols:



| Type                                                | Value                                  |
|-----------------------------------------------------|----------------------------------------|
| Adapter                                             | 100 V- 240V~ 50/60 Hz , 5V 1A DC       |
| Power Consumption / Standby                         | < 5W / < 2W                            |
| Wired Communication                                 | 10/100M Ethernet Port (RJ45, LAN)      |
| Power supply                                        | 5VDC (USB-C)                           |
| Wireless communication                              | Zigbee                                 |
| Transmission range                                  | Up to 30m.                             |
| Pollution degree                                    | 2 (domestic use)                       |
| Firmware updates                                    | Supports over the air updates          |
| Storage temperature and conditions                  | -20 °C to 60 °C, 90% RH non-condensing |
| Operating temperatures and conditions               | -10 °C to 45 °C, 90% RH non-condensing |
| IP class                                            | X0                                     |
| Protection class                                    | Class III                              |
| Transmission frequency (GHz)                        | 2.405 – 2.480 GHz                      |
| Transmission Power (dBm)                            | <19 dBm                                |
| Color                                               | RAL9016 Polar white                    |
| Dimensions (H/W/D):                                 | 90mm x 90mm x 23mm                     |
| Weight, net                                         | 152 g                                  |
| Number of users who can join home (DEVIConnect App) | 20 pcs                                 |
| Number of homes in app (DEVIConnect App)            | 20 pcs                                 |
| Number of devices per DEVI Connect (gateway)        | 200 units                              |

## Types: DEVI Connect

| Item no. | Product name | Type                            | EAN no.       |
|----------|--------------|---------------------------------|---------------|
| 140F1166 | DEVI Connect | Gateway for zigbee connectivity | 5703466253199 |

## Compatible products

| Item no. | Product name             | Type                                                                        | EAN no.       |
|----------|--------------------------|-----------------------------------------------------------------------------|---------------|
| 140F1170 | DEVIreg™ InControl       | Connectable Zigbee thermostat with NTC 15 kΩ @ 25°C, 3 m sensor in box      | 5703466250419 |
| 140F1162 | DEVIreg™ Display Connect | Connectable Zigbee room thermostat with NTC 15 kΩ @ 25°C, 3 m sensor in box | 5703466250396 |

App:





# DEVIreg™ Touch



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The **DEVIreg™ Touch** is an intuitive programmable timer thermostat used for controlling electrical floor heating elements. The thermostat is designed for fixed installation only and due to the special designed 2-part construction it fits a wide range of frames and sensors.

The DEVIreg™ Touch is fast and intuitive to setup using the built-in wizard. It has an energy-saving program – including an optimum start/end control ensuring the desired temperature at the correct time and thereby reducing the heating costs.

Benefits:

- Big 2" touch screen
- Built-in setup wizard
- Easy and intuitive functionalities
- Adaptive PWM function
- Fits several single and multiple frames
- Fits several competitor NTC sensors
- Optional code setup
- Easy online troubleshooting

Standard compliance:

- EN/IEC 60730-1 (general)
- EN/IEC 60730-2-9 (thermostat)

Compliance symbols:



| Type                                        | Value                                                                                                                                            |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Operation voltage                           | 220 V- 240V~ 50/60 Hz                                                                                                                            |
| Standby power consumption                   | max. 0.40 W                                                                                                                                      |
| Relay:                                      |                                                                                                                                                  |
| Resistive load                              | 16A / 3680W @ 230V                                                                                                                               |
| Inductive load                              | Cos Φ = 0.3 max. 1A                                                                                                                              |
| Sensing unit                                | NTC 15 kΩ @ 25 °C, 3 m. (default),<br>NTC 10 kΩ @ 25 °C,<br>NTC 6.8 kΩ @ 25 °C,<br>NTC 33 kΩ @ 25 °C,<br>NTC 12 kΩ @ 25 °C,<br>NTC 47 kΩ @ 25 °C |
| Regulation                                  | PWM - Pulse Width Modulation                                                                                                                     |
| Ambient temperature                         | 0 °C to 30 °C                                                                                                                                    |
| Frost protection                            | 5 °C to 9 °C (default 5 °C )                                                                                                                     |
| Temperature range                           | 5 °C to 35 °C (room)<br>5 °C to 35 °C (45 °C with break out) (floor)                                                                             |
| Storage temperature                         | -25 °C to 60 °C, 90% RH non-condensing                                                                                                           |
| Cable specification for connector terminals | Max: 1 x 4 mm² or 2 x 2.5 mm²                                                                                                                    |
| Ball pressure test temperature              | 75 °C                                                                                                                                            |
| Pollution degree                            | 2 (domestic use)                                                                                                                                 |
| Controller type                             | 1 B                                                                                                                                              |
| Software class                              | A                                                                                                                                                |
| IP class                                    | 21                                                                                                                                               |
| Battery type or Name                        | Coin battery Manganese Lithium                                                                                                                   |
| Protection class                            | Class II -                                                                                                                                       |
| Dimensions (H/W/D)                          | 85 mm x 85 mm x 20-24 mm (in-wall depth: 22 mm)                                                                                                  |
| Weight                                      | 115 g                                                                                                                                            |

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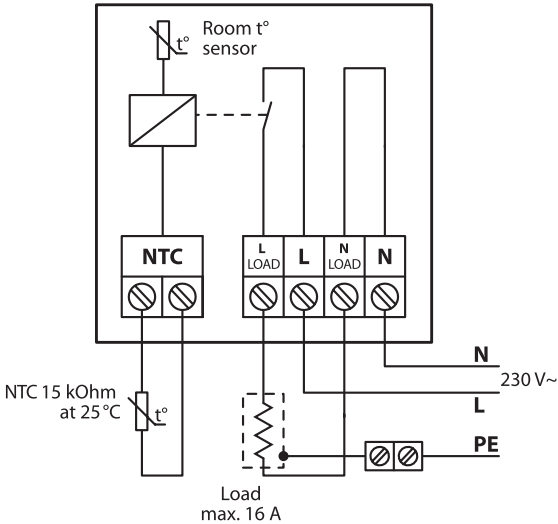
Types: DEVIreg™ Touch

| Item no. | Product name                          | Type                       | Language | EAN no.       |
|----------|---------------------------------------|----------------------------|----------|---------------|
| 140F1065 | DEVIreg™ Touch - Pure White           | Frameless RAL 9010         | 1        | 5703466215142 |
| 140F1064 | DEVIreg™ Touch - Pure White           | With design Frame RAL 9010 | 1        | 5703466215135 |
| 140F1068 | DEVIreg™ Touch - Pure White           | With design Frame RAL 9010 | 2        | 5703466225592 |
| 140F1071 | DEVIreg™ Touch - Polar White          | With design Frame RAL 9016 | 1        | 5703466225615 |
| 140F1069 | DEVIreg™ Touch - Pure Black           | With design Frame RAL 9005 | 1        | 5703466225608 |
| 140F1078 | DEVIreg™ Touch - Ivory                | With design Frame RAL 1013 | 1        | 5703466235492 |
| 140F1067 | Frame for DEVIreg™ Touch - Pure white | With design Frame RAL 9010 |          | 5703466221983 |

1 - Contains languages: Bulgarian, Czech, Danish, English, Estonian, Finnish, French, German, Latvian, Lithuanian, Norwegian, Polish, Romanian, Russian, Slovenian, Slovak, Swedish, Ukranian.  
2 - Contains languages: Chinese, Croatian, Dutch, English, Hungarian, Portuguese, Serbian, Spanish, Turkish.



Connection scheme



Polar White



Pure Black



Ivory



Pure White



# DEVireg™ Hotwater



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**DEVireg™ Hotwater** is an electronic programmable controller with 4 channels for on DIN rail mounting. Every channel can be set individually to maintain hot water with the option to disinfect manually, or on a schedule. The channels sensors can be selected between 7 different temperature sensors including NTC 15 kOhm at 25°C. Building Management System (BMS) control is

possible through the Modbus RS485 serial interface. **DEVireg™ Hotwater** has been developed to give the user easy setup, control of their hot water system, along with the option to disinfect. The controller allows up to 4 channels to be operated, each capable of controlling a separate pipe system. 2 sensors have to be used to measure the temperature for each channel.

Benefits:

- 4 independent channels
- 2 control modes:
- Hot water maintenance
- Hot water maintenance with disinfection
- user definable accuracy
- Compatible with 7 sensors types
- Sensor failure monitoring
- Accurate temperature control
- Alarm functions
- Multilanguage menu
- Graphic LCD display
- BMS control

Standard compliance:

- Low Voltage Directive 2014/35/EU
- EMC Directive 2014/30/EU
- EN/IEC 60730-1 + EN/IEC 60730-2-9

Compliance symbols:



| Type                                                                                                                                            | Value                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nominal voltage                                                                                                                                 | 110/230 V AC, 50–60 Hz                                                                                                                                                                                      |
| Power consumption, max.                                                                                                                         | 20 V A                                                                                                                                                                                                      |
| Relay load:<br>Resistive (inductive, cos(phi sign) = 0,6)<br>Total current load limit<br>C1-NO1, C2-NO2<br>C3-NO3-NC3, C4-NO4-NC4<br>C8-NO8-NC8 | 32 A<br>10 (3,5) A (100 000 cycles)<br>6 (4) A (100 000 cycles)<br>6 (4) A (100 000 cycles)                                                                                                                 |
| Sensor inputs                                                                                                                                   | Analog inputs AI1-AI8                                                                                                                                                                                       |
| Compatible sensors                                                                                                                              | NTC15k (15 kOhm @ 25 °C) (standard)<br>NTC10k (10 kOhm @ 25 °C)<br>NTC5k (5 kOhm @ 25 °C)<br>NTC2k (2 kOhm @ 25 °C)<br>NTC100 (100 kOhm @ 25 °C)<br>NTC16k (16,7 kOhm @ 100 °C)<br>PT1000 (1000 Ohm @ 0 °C) |
| Digital inputs                                                                                                                                  | DI1-DI8, voltage free contacts, on/off inputs                                                                                                                                                               |
| Connection specification                                                                                                                        | Grouped screws plug-in connectors                                                                                                                                                                           |
| Cable specification for connector terminals                                                                                                     | 0,2-2,5 mm²                                                                                                                                                                                                 |
| Battery back-up time, min.                                                                                                                      | 48 hours                                                                                                                                                                                                    |
| Ball pressure test                                                                                                                              | 125 °C                                                                                                                                                                                                      |
| Pollution degree                                                                                                                                | 2 (domestic use)                                                                                                                                                                                            |
| Controller type                                                                                                                                 | 1 C                                                                                                                                                                                                         |
| Operating temperatures and conditions                                                                                                           | CE: -20T60 / UL: 0T55, 90% RH non-condensing                                                                                                                                                                |
| Storage temperature and conditions                                                                                                              | -30T85, 90% RH non-condensing                                                                                                                                                                               |
| IP class                                                                                                                                        | IP40 only on the front cover                                                                                                                                                                                |
| Protection class                                                                                                                                | Class II - □                                                                                                                                                                                                |
| Immunity against voltage surges                                                                                                                 | Over Voltage Category II                                                                                                                                                                                    |
| Dimensions (H/W/D), DIN dimension :                                                                                                             | 110(122) x 138 x 70 mm, 8 DIN modules                                                                                                                                                                       |
| Mounting method                                                                                                                                 | DIN rail, complying with EN 60715                                                                                                                                                                           |
| Weight, net                                                                                                                                     | 511 g                                                                                                                                                                                                       |
| Menu languages:                                                                                                                                 | GB,DE,BG,CZ,DK,ES,EE,FI,FR,HR,HU,LT,LV,<br>NL,NO,PL,PT,RO,RU,SE,SR,SI,SK,TR,UA,CN.                                                                                                                          |
| Base controller                                                                                                                                 | Danfoss MCX08M2\                                                                                                                                                                                            |
| Software class                                                                                                                                  | A                                                                                                                                                                                                           |



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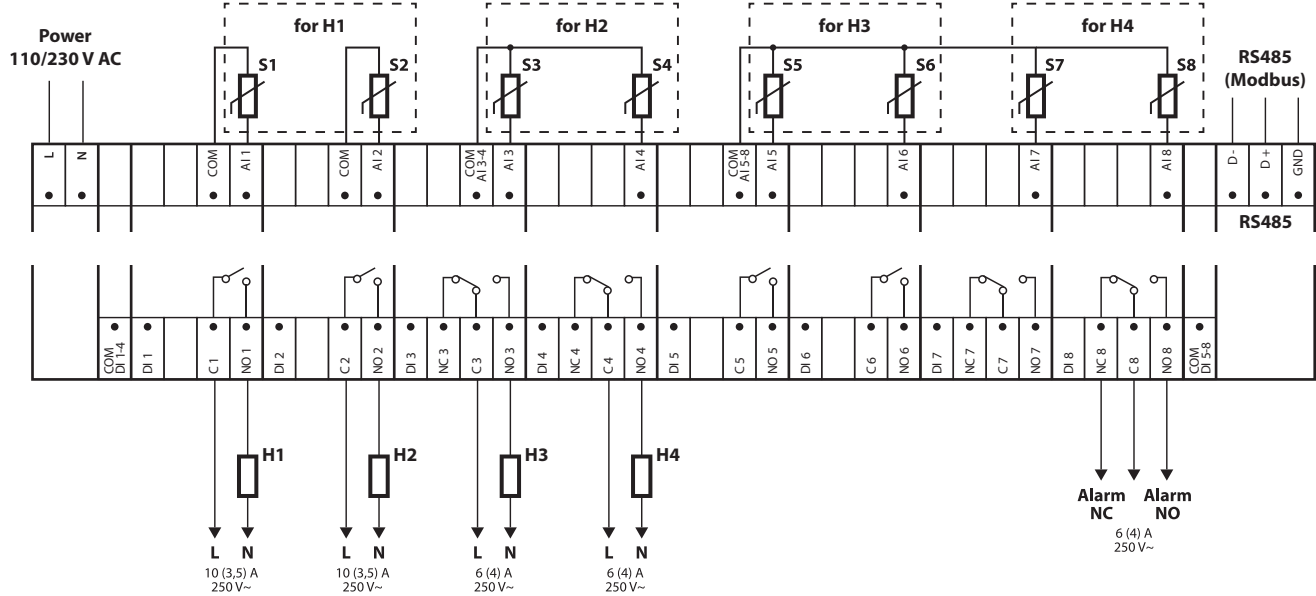
Types: DEVireg™ Hotwater

| Item no. | Product name      | Type                                                                 | EAN no.       |
|----------|-------------------|----------------------------------------------------------------------|---------------|
| 140F1133 | DEVireg™ Hotwater | Programmable controller with 2 Wire sensor NTC 15 kOhm at 25 °C, 3 m | 5703466249680 |

Accessories

| Item no. | Product name                                                        | Description                                                                            | EAN no.       |
|----------|---------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------|
| 140F1091 | Sensor 3 m, 15 kOhm, Santoprene                                     | Wire sensor, 2x0,75 mm², NTC 15 kOhm at 25 °C, Ø5x18 mm, black Santoprene (TPV), IP 67 | 5703466209301 |
| 140F1098 | Temperature Sensor 10 m NTC 15k Santoprene                          |                                                                                        | 5703466210734 |
| 19121445 | Sensor cable 40 m, 15 kOhm, Santoprene                              |                                                                                        | 5703466115015 |
| 140F1092 | Outdoor sensor 2,5 m, 15 kOhm, PVC                                  | Wire sensor, 2x0,75 mm², NTC 15 kOhm at 25 °C, Ø10 mm, white PVC outer sheath, IP 67   | 5703466209318 |
| 140F1097 | Silicon sensor for DEVireg™ 330 (60-160 °C), NTC 16,1 kOhm @ 100 °C | Wire silicon sensor, 2,5 m, 2x0,75 mm², NTC 16,1 kOhm at 100 °C, IP 65                 | 5703466209707 |

Connection scheme



S - temperature Sensor;

# DEVireg™ Plug-in



**DEVireg™ Plug-in** is an electronic thermostat to be installed in indoor directly to a socket. Plug in design make it easy to install and connect ready-made cables with Schuko

plug like **DEVipeheat 10 V2 or V3**. Used primarily for controlling a lower temperature range as by frost protection. A wire sensor must be used to measure and control the desired temperature.

**Benefits:**

- Plug in and go
- ON/OFF switch
- LED indicator
- Low temperature area

**Standard compliance:**

- EN/IEC 60730-1 (general)
- EN/IEC 60730-2-9 (thermostat)

**Compliance symbols:**



| Type                               | Value                                                                                            |
|------------------------------------|--------------------------------------------------------------------------------------------------|
| Nominal voltage                    | 220 V- 240V~ 50/60 Hz                                                                            |
| Relay:                             |                                                                                                  |
| Resistive load                     | 16A / 3680W @ 230V                                                                               |
| Inductive load                     | Cos Φ = 0.3 max. 1A                                                                              |
| Compatible sensors                 | NTC 10 kΩ @ 25°C, 3 m.                                                                           |
| Hysteresis                         | ± 0,5 °C                                                                                         |
| Temperature range                  | +3 °C to +15 °C<br>(Default is +5 °C)                                                            |
| Ambient temperature                | 0° to +50°C                                                                                      |
| Controller type                    | 1 B                                                                                              |
| Storage temperature and conditions | -25°C to 60°C, 90% RH non-condensing                                                             |
| IP Class                           | 20                                                                                               |
| Protection class                   | Class II -  |
| Dimensions                         | 70 x 41,5 x 140 mm                                                                               |
| Weight, net                        | 270 g                                                                                            |

**Types: DEVireg™ Plug-in**

| Item no. | Product name     | Type                                           | EAN no.       |
|----------|------------------|------------------------------------------------|---------------|
| 140F1134 | DEVireg™ Plug-in | Temp. range. +3 °C to +15 °C incl. wire sensor | 5703466251232 |

# DEVIreg™ 330



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**DEVIreg™ 330** is a line of simple electronic thermostats to be installed in electric cabinets with DIN rail attachment. To measure and control the desired temperature either a wire sensor (in the set) or an external indoor/outdoor air sensor must be used. The thermostat must be installed via an all-pole disconnection switch. It has a LED indicating showing standby (green light) and heating (red light) periods.

**DEVIreg™ 330** has a relay with 2 contact pairs - NO (normally opened) and NC (normally closed), and are supposed to be used for heating and cooling systems. Additionally, NO and NC contact pairs are not wetted by a voltage source inside the thermostats, and can be used for control systems with any voltage up to 250 V. The series is designed with thermostats in three temperature range. **DEVIreg™ 330 (-10 - +10°C)** is used primarily for controlling a lower temperature range such as frost protection. This thermostat has a button to adjust the temperature setting with a scale from -10 °C to +10 °C. Special outdoor white wire sensor included in a set.

**DEVIreg™ 330 (5 - 45°C)** is used primarily for controlling lower temperature range such as frost protection and for cooling, Comfort Floor Heating, Total (Direct) Floor Heating, Ice and Snow Melting on Ground, Frost Protection on Roofs, Pipe Tracing, etc. The thermostat has a button to adjust the temperature setting with a scale from 5 °C to 45 °C. This type has temperature lowering in economy periods mode by using external timer. **DEVIreg™ 330 (60 - 160°C)** is used primarily for high temperature maintenance in pipe heating systems. The thermostat has a button to adjust the temperature setting with a scale from 60 °C to 160 °C. Special high temperature silicon wire sensor in a set.

**Benefits:**

- For DINrail mounting
- Low temperature area
- Low standby consumption
- LED indicator

**Standard compliance:**

- EN/IEC 60730-1 (general)
- EN/IEC 60730-2-9 (thermostat)

**Compliance symbols:**

| Type                                        | Value                                                 |
|---------------------------------------------|-------------------------------------------------------|
| Operation voltage                           | 220 - 240 V, 50/60 Hz                                 |
| Standby power consumption                   | Max. 0,25 W                                           |
| Resistive load                              | Max 16 A (3680 W) @ 230 V                             |
| Inductive load                              | Max. 1 A, cos φ = 0,3                                 |
| Ambient temperature                         | -10 °C to +50 °C                                      |
| Cable specification for connector terminals | Max: 1 x 4 mm <sup>2</sup> or 2 x 2.5 mm <sup>2</sup> |
| Storage temperature                         | -25 °C to 60 °C, 90% RH non-condensing                |
| IP class                                    | 20                                                    |
| Protection class                            | Class II -                                            |
| Dimensions (H/W/D)                          | 85 x 36 x 58 mm                                       |
| Weight                                      | 83 g                                                  |

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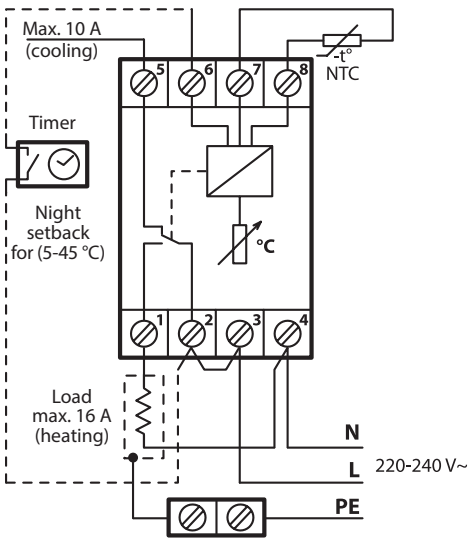
Types: DEVIreg™ 330

| Item no. | Product name                | Temp. range      | Sensor type                                           | Night setback | Hysteresis | Marking | EAN no.       |
|----------|-----------------------------|------------------|-------------------------------------------------------|---------------|------------|---------|---------------|
| 140F1072 | DEVIreg™ 330 (5 - 45 °C)    | 5 °C to 45 °C    | Wire sensor, 3 m, NTC 15 kOhm at 25 °C                | 5 °C          | ± 0,2 °C   | D330    | 5703466209226 |
| 140F1070 | DEVIreg™ 330 (-10 - +10 °C) | -10 °C to +10 °C | Wire sensor, 3 m, NTC 15 kOhm at 25 °C                | –             | ± 0,2 °C   | D330    | 5703466209219 |
| 140F1073 | DEVIreg™ 330 (60 -160 °C)   | 60 °C to 160 °C  | Wire sensor, silicone, 2,5 m, NTC 16,1 kOhm at 100 °C | –             | ± 0,4 °C   | D330    | 5703466209233 |

Accessories

| Item no. | Product name                                                                  | Description                                                                                                   | EAN no.       |
|----------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------|
| 140F1095 | Room sensor, 426-frame                                                        | 85 x 85 x 30 mm, NTC 15 kOhm at 25 °C, IP 20                                                                  | 5703466209684 |
| 140F1096 | Outdoor sensor IP44                                                           | 80 x 50 x 35 mm, NTC 15 kOhm at 25 °C, IP 44                                                                  | 5703466209691 |
| 140F1091 | Sensor cable 3 m, 15 kOhm, Santoprene                                         | Wire sensor, 2x0,75 mm <sup>2</sup> , NTC 15 kOhm at 25 °C, Ø5 mm, black Santoprene (TPV) outer sheath, IP 67 | 5703466209301 |
| 140F1098 | Temperature Sensor 10 m NTC 15k Santoprene                                    |                                                                                                               | 5703466210734 |
| 19121445 | Sensor cable 40 m, 15 kOhm, Santoprene                                        |                                                                                                               | 5703466115015 |
| 140F1092 | Outdoor sensor 2,5 m, 15 kOhm, PVC                                            | Wire sensor, 2x0,75 mm <sup>2</sup> , NTC 15 kOhm at 25 °C, Ø10 mm, white PVC outer sheath, IP 67             | 5703466209318 |
| 140F1097 | Silicon temperature sensor for DEVIreg™ 330 (60-160°C), NTC 16,1 kOhm @ 100°C | Wire sensor, 2,5 m, 2x0,75 mm <sup>2</sup> , NTC 16,1 kOhm at 100 °C, IP 65                                   | 5703466209707 |

Connection scheme



\* If there is a short cut then the heating will be switched off automatically.  
If there is a sensor break (the sensor is cut or similar) then heating will be continued.

DEVIreg™ 330 (5 °C - 45 °C)



DEVIreg™ 330 (-10 °C - +10 °C)



DEVIreg™ 330 (60 °C - 160 °C)





# DEVireg™ 316



Make it easy,  
make it DEVI



The **DEVireg™ 316** is an simple electronic thermostat with enhanced functionality which can be installed in electric cabinets with DIN rail attachment. The thermostat is mainly used for frost protection on roofs, in gutters and downpipes. Additionally it

can be used to control room and floor temperature, ventilation, cooling or to the control of snow melting on ground, pipe tracing and similar installations. The main features of the thermostat is temperature range mode – with setting both an upper and a lower temperatures in between which the thermostat allows the system to heat. This mode is used primarily for controlling Frost Protection systems on roofs, in gutters and downpipes (an external outdoor air sensor must be used). The thermostat is equipped with 2 additional buttons to adjust the

hysteresis and the temperature value for levering in economy periods (an external timer must be used). The thermostat has relay with 2 contact pairs - NO (normally opened) and NC (normally closed), and it is supposed to use thermostat for heating and cooling systems. Additionally NO and NC contact pairs are not wetted by a voltage source inside thermostat and can be used for control systems with any voltage up to 250 V. It is designed so that the sensor circuit is galvanically separated from the high voltage part.

Benefits:

- Night set-back
- Minimum temperature limiter
- Adjustable hysteresis
- DIN rail attachment
- Low standby consumption
- Large scope of application
- Protective separation

Standard compliance:

- EN/IEC 60730-1 (general)
- EN/IEC 60730-2-9 (thermostat)

Compliance symbols:



| Type                                        | Value                                  |
|---------------------------------------------|----------------------------------------|
| Operation voltage                           | 220 - 240V~ 50/60 Hz                   |
| Standby power consumption                   | max. 0,25 W                            |
| Resistive load                              | Max. 16 A, 3680 W @ 230 V              |
| Inductive load                              | max. 1 A, cos φ = 0,3                  |
| Hysteresis                                  | 0 °C to 6 °C                           |
| Ambient temperature                         | -10 °C to +45 °C                       |
| Lowering in economy periods                 | 0 °C to 8 °C                           |
| Cable specification for connector terminals | Max: 1 x 4 mm² or 2 x 2.5 mm²          |
| Temperature range                           | -10 °C to +50 °C                       |
| Minimum temperature range                   | -10 °C to +5 °C                        |
| Controller type                             | 1 B                                    |
| Storage temperature                         | -25 °C to 60 °C, 90% RH non-condensing |
| IP class                                    | IP 30                                  |
| Protection class                            | Class II -                             |
| Dimensions (H/W/D)                          | 85 x 52 x 58 mm                        |
| Weight                                      | 180 g                                  |
| Marking                                     | D316                                   |

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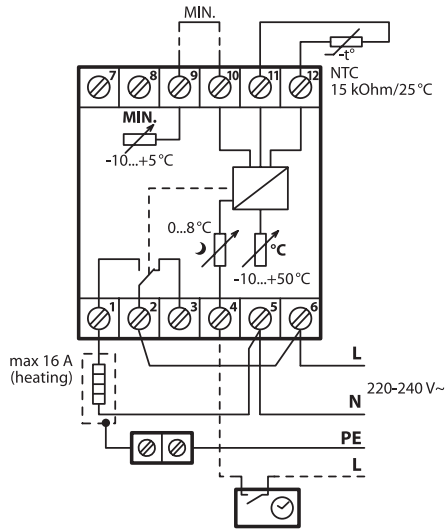
Types: DEVireg™ 316

| Item no. | Product name | Temperature range | Sensor type                               | EAN no.       |
|----------|--------------|-------------------|-------------------------------------------|---------------|
| 140F1075 | DEVireg™ 316 | -10 °C to +50 °C  | Wire sensor, 3 m,<br>NTC 15 kOhm at 25 °C | 5703466209240 |

Accessories

| Item no. | Product name                               | Description                                                                                      | EAN no.       |
|----------|--------------------------------------------|--------------------------------------------------------------------------------------------------|---------------|
| 140F1096 | Outdoor sensor IP44                        | 80 x 50 x 35 mm, NTC 15 kOhm at 25 °C, IP 44                                                     | 5703466209691 |
| 140F1091 | Sensor cable 3 m, 15 kOhm, Santoprene      | Wire sensor, 2x0,75 mm², NTC 15 kOhm at 25 °C, Ø5 mm, black Santoprene (TPV) outer sheath, IP 67 | 5703466209301 |
| 140F1098 | Temperature Sensor 10 m NTC 15k Santoprene |                                                                                                  | 5703466210734 |
| 19121445 | Sensor cable 40 m, 15 kOhm, Santoprene     |                                                                                                  | 5703466115015 |
| 140F1092 | Outdoor sensor 2,5 m, 15 kOhm, PVC         | Wire sensor, 2x0,75 mm², NTC 15 kOhm at 25 °C, Ø10 mm, white PVC outer sheath, IP 67             | 5703466209318 |

Connection scheme



# DEVireg™ 610



The **DEVireg™ 610** is an electronic IP44, 10 Amps thermostat, suitable for many different purposes both indoor and outdoor applications. It is provided with a 2-pole switch and a wire sensor to control the desired temperature.

The thermostat has a button for adjusting the temperature setting with a scale from -10 °C to +50 °C, and a LED indicating the current mode (heating, standby or fault). It is water resistant and can be mounted on any plain surface indoor or outdoor.

**Benefits:**

- ON/OFF switch
- Terminals for NO/NC connection
- LED indicator
- Mounts directly onto plain surfaces
- Low energy consumption
- IP44

**Standard compliance:**

- EN/IEC 60730-1 (general)
- EN/IEC 60730-2-9 (thermostat)

**Compliance symbols:**



| Type                                        | Value                                                                                            |
|---------------------------------------------|--------------------------------------------------------------------------------------------------|
| Operation voltage                           | 220 V - 240 V, 50/60 Hz                                                                          |
| Standby power consumption                   | max. 0,93 W                                                                                      |
| Relay:<br>Resistive load<br>Inductive load  | Max 10 A (2300 W) @ 230V<br>Max. 1A, Cos Φ = 0,3                                                 |
| Sensing unit                                | NTC 15 kOhm at 25 °C                                                                             |
| Hysteresis                                  | ± 2,0 °C                                                                                         |
| Ambient temperature                         | -30 °C to +55 °C                                                                                 |
| Temperature range                           | -10 °C to +50 °C                                                                                 |
| Cable specification for connector terminals | Max: 1 x 4 mm² or 2 x 2.5 mm²                                                                    |
| Ball pressure test temperature              | 75°C                                                                                             |
| Pollution degree                            | 2 (domestic use)                                                                                 |
| Controller type                             | 1 C                                                                                              |
| Storage temperature                         | -25 °C to 60 °C, 90% RH non-condensing                                                           |
| IP class                                    | IP 44                                                                                            |
| Protection class                            | Class II -  |
| Dimensions (H/W/D)                          | 100 mm x 69,5 mm x 45 mm                                                                         |
| Weight                                      | 165 g                                                                                            |

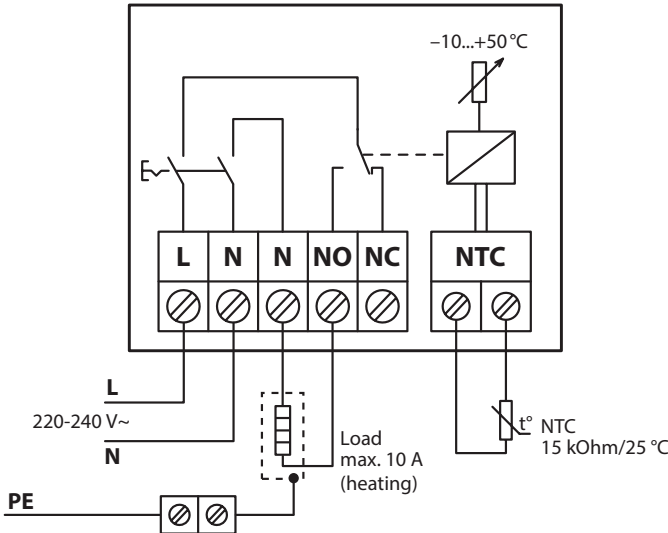


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**Types: DEVireg™ 610**

| Item no. | Product name | Temperature range                            | EAN no.       |
|----------|--------------|----------------------------------------------|---------------|
| 140F1080 | DEVireg™ 610 | Temp. range -10 °C/+50 °C incl. wire sensors | 5703466209257 |

**Connection scheme**



**IMPORTANT:** When the thermostat is used to control a floor heating element in connection with a wooden floor or similar material, always use a floor sensor and never set the maximum floor temperature to more than 35 °C.

# DEVIreg™ Multi



Make it easy,  
make it DEVI



**DEVIreg™ Multi** is 7 channel electronic programmable controller to be installed on DIN rail. Every channel can be individually set up with three control modes – with temperature sensor, time proportional power regulation without sensor and manually on/off with time limitation. Channels inputs can be selected via software between 8 types of temperature sensors including NTC 15 kOhm at 25°C.

Modbus RS485 opto-insulated serial interface gives possibility for BMS control. **DEVIreg™ Multi** has some special functions which can be programmed for every channel: relay status - opened or closed correspondently to 'Heating On' mode, channel activation or deactivation, sensor failure alarm, min and max temperatures alarm, cable failure monitoring, relay test, channel on/off, relay cycles calculator, etc.

Benefits:

- 7 independent channels
- 3 control modes:
- with temperature sensor
- time proportional regulation
- manually on/off
- Heating or cooling control
- Compatible with 8 sensors types
- Accurate temperature control
- Alarm functions
- Cable failure monitoring
- Multilanguage menu
- Graphic LCD display
- BMS control
- Dimensions 8 DIN modules

Standard compliance:

- Low Voltage Directive 2014/35/EU
- EMC Directive 2014/30/EU
- EN/IEC 60730-1 + EN/IEC 60730-2-9

Compliance symbols:



| Type                                                                                                                                                                  | Value                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nominal voltage                                                                                                                                                       | 110/230 V AC, 50–60 Hz                                                                                                                                                                                                                                                                                                 |
| Power consumption, max.                                                                                                                                               | 20 V A                                                                                                                                                                                                                                                                                                                 |
| Relay resistive (inductive, cos(phi) = 0,6) load:<br>Total current load limit<br>C1-NO1, C2-NO2<br>C5-NO5, C6-NO6<br>C3-NO3-NC3, C4-NO4-NC4<br>C7-NO7-NC7, C8-NO8-NC8 | 32 A<br>10 (3,5) A (100 000 cycles)<br>6 (4) A (100 000 cycles)<br>6 (4) A (100 000 cycles)<br>6 (4) A (100 000 cycles)                                                                                                                                                                                                |
| Sensor inputs                                                                                                                                                         | Analog inputs AI1-AI8                                                                                                                                                                                                                                                                                                  |
| Sensing unit                                                                                                                                                          | Temperature sensors separately selectable via software at analog inputs AI1-AI7 between:<br>NTC15k (15 kOhm @ 25 °C)<br>NTC10k (10 kOhm @ 25 °C)<br>NTC5k (5 kOhm @ 25 °C)<br>NTC2k (2 kOhm @ 25 °C)<br>NTC100 (100 kOhm @ 25 °C)<br>NTC16k (16,7 kOhm @ 100 °C)<br>PT1000 (1000 Ohm @ 0 °C)<br>Ni100 (100 Ohm @ 0 °C) |
| Sensor failure monitoring                                                                                                                                             | Disconnected or short-circuited sensor                                                                                                                                                                                                                                                                                 |
| Digital inputs                                                                                                                                                        | DI1-DI8, voltage free contacts, on/off inputs                                                                                                                                                                                                                                                                          |
| Connection specification                                                                                                                                              | Grouped screws plug-in connectors, pitch 5 mm                                                                                                                                                                                                                                                                          |
| Cable specification for connectors terminals                                                                                                                          | Section cable 0,2-2,5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                  |
| Battery back-up time, min.                                                                                                                                            | 48 hours                                                                                                                                                                                                                                                                                                               |
| Communication type                                                                                                                                                    | MODBUS                                                                                                                                                                                                                                                                                                                 |
| Pollution degree                                                                                                                                                      | 2 (domestic use)                                                                                                                                                                                                                                                                                                       |
| Controller type                                                                                                                                                       | 1 C                                                                                                                                                                                                                                                                                                                    |
| Operating temperatures                                                                                                                                                | -50...+200 °C                                                                                                                                                                                                                                                                                                          |
| Storage temperature and conditions                                                                                                                                    | -30...+85 °C, 90% RH non-condensing                                                                                                                                                                                                                                                                                    |
| IP class                                                                                                                                                              | IP40 only on the front cover                                                                                                                                                                                                                                                                                           |
| Protection class                                                                                                                                                      | Class II -                                                                                                                                                                                                                                                                                                             |
| Immunity against voltage surges                                                                                                                                       | Designed for Over Voltage Category II                                                                                                                                                                                                                                                                                  |
| Dimensions (H/W/D), DIN dimension :                                                                                                                                   | 110(122) x 138 x 70 mm, 8 DIN modules                                                                                                                                                                                                                                                                                  |
| Mounting method                                                                                                                                                       | DIN rail, complying with EN 60715                                                                                                                                                                                                                                                                                      |
| Weight, net                                                                                                                                                           | 511 g                                                                                                                                                                                                                                                                                                                  |
| Menu languages:                                                                                                                                                       | 2.0 en, bg, cs, da, de, es, et, fi, fr, hr, hu, lt, no, pl, ro, ru, sk, sl, sv, tr, uk                                                                                                                                                                                                                                 |
| Base controller                                                                                                                                                       | Danfoss MCX08M2, item no. 080G0307                                                                                                                                                                                                                                                                                     |
| Software class                                                                                                                                                        | A                                                                                                                                                                                                                                                                                                                      |

Types: set DEVIreg™ Multi + 1 sensor NTC 15kOhm



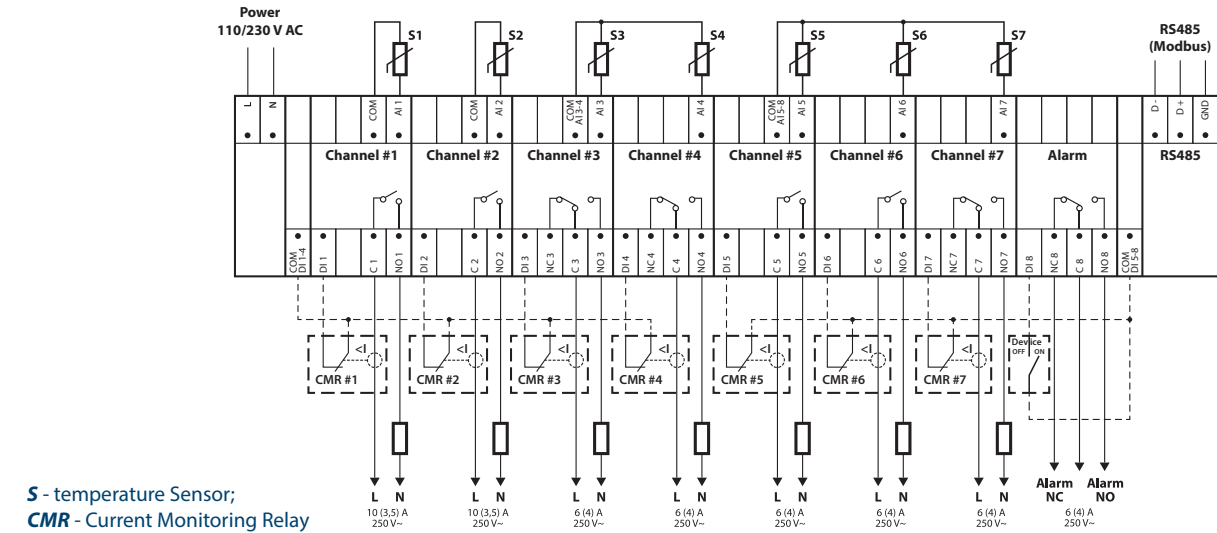
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| Item no. | Product name   | Type                                                               | EAN no.       |
|----------|----------------|--------------------------------------------------------------------|---------------|
| 140F1139 | DEVIreg™ Multi | Programmable controller with Wire sensor NTC 15 kOhm at 25 °C, 3 m | 5703466248560 |

Accessories

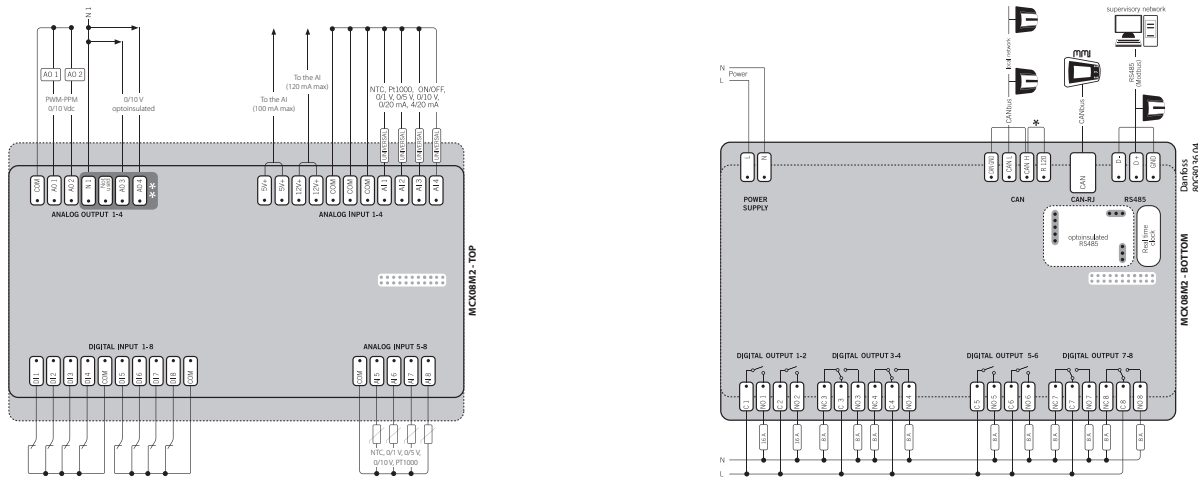
| Item no. | Product name                                                      | Description                                                                                         | EAN no.       |
|----------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------|
| 140F1095 | Room sensor, 426-frame                                            | 85 x 85 x 30 mm, NTC 15 kOhm at 25 °C, IP 20                                                        | 5703466209684 |
| 140F1096 | Outdoor sensor IP44                                               | 80 x 50 x 35 mm, NTC 15 kOhm at 25 °C, IP 44                                                        | 5703466209691 |
| 140F1091 | Sensor 3 m, 15 kOhm, Santoprene                                   | Wire sensor, 2x0,75 mm <sup>2</sup> , NTC 15 kOhm at 25 °C, Ø5x18 mm, black Santoprene (TPV), IP 67 | 5703466209301 |
| 140F1098 | Temperature Sensor 10 m NTC 15k Santoprene                        |                                                                                                     | 5703466210734 |
| 19121445 | Sensor cable 40 m, 15 kOhm, Santoprene                            |                                                                                                     | 5703466115015 |
| 140F1092 | Outdoor sensor 2,5 m, 15 kOhm, PVC                                | Wire sensor, 2x0,75 mm <sup>2</sup> , NTC 15 kOhm at 25 °C, Ø10 mm, white PVC outer sheath, IP 67   | 5703466209318 |
| 140F1097 | Silicon sensor for DEVIreg™ 330 (60-160°C), NTC 16,1 kOhm @ 100°C | Wire silicon sensor, 2,5 m, 2x0,75 mm <sup>2</sup> , NTC 16,1 kOhm at 100 °C, IP 65                 | 5703466209707 |
| 084N3209 | Sensor EKS 221 NTC 10K 8,5m cable                                 | Wire sensor, NTC 10 kOhm at 25 °C, Ø6x15 mm, IP 67                                                  | 5702428171960 |
| 084N3210 | Sensor EKS 221 NTC 10K 3,5m cable                                 |                                                                                                     | 5702428171960 |
| 084N1221 | Sensor EKS 211 NTC 5000                                           | Wire sensor, 3,5 m cable, NTC 5 kOhm at 25 °C, Ø8x30 mm, IP 67                                      | 5702428099431 |
| 084Z6039 | Sensor MBT 153-2200-0350                                          | Wire sensor, 3,5 m cable, PT 1000 kOhm at 0 °C, Ø5,7x40 mm, IP 67                                   | 5702423151431 |
| 080G0180 | ACCCNX Connectors MCX-08M                                         | Screws plug-in connectors set for MCX-08M                                                           | 5702423284696 |

Connection scheme



S - temperature Sensor;  
CMR - Current Monitoring Relay

General MCX08M2 controller connection scheme



# DEVIreg™ 850 IV



The **DEVIreg™ 850** version IV is an advanced thermostat with LED

**Benefits:**

- Single, combination or dual zones
- Up to 4 sensors
- Moisture and temperature sensing
- Self diagnosing programme
- Safety level adjustment
- Alarm function

**Standard compliance:**

- EN/IEC 60730-1 (general)
- EN/IEC 60730-2-9 (thermostat)

**Compliance symbols:**



Types: DEVIreg™ 850

| Item no. | Product name                      | Type                                | Size, mm      | Ambient temperature | EAN no.       |
|----------|-----------------------------------|-------------------------------------|---------------|---------------------|---------------|
| 140F1084 | DEVIreg™ 850 IV Cyrillic with PSU | Without sensors, Cyrillic languages | 85 x 105 x 53 | -10...+50 °C        | 5703466210833 |
| 140F1085 | DEVIreg™ 850 IV Latin with PSU    | Without sensors, Latin languages    | 85 x 105 x 53 | -10...+50 °C        | 5703466209264 |

Accessories

| Item no. | Product name                           | Type                                             | Size, mm      | Ambient temperature | EAN no.       |
|----------|----------------------------------------|--------------------------------------------------|---------------|---------------------|---------------|
| 140F1086 | Roof sensor for DEVIreg™ 850           | For DEVIreg™ 850, with sensor tube, cable - 15 m | 15 x 24 x 216 | -50...+70 °C        | 5703466209271 |
| 140F1087 | Ground sensor for DEVIreg™ 850, 2 pcs. | For DEVIreg™ 850, with sensor tube, cable - 15 m | Ø 93 x 98     | -30...+70 °C        | 5703466209288 |
| 140F1088 | Ground sensor for DEVIreg™ 850, 1 pc.  | For DEVIreg™ 850, cable - 15 m                   | Ø 93 x 98     | -30...+70 °C        | 5703466209714 |
| 140F1089 | Power Supply Unit                      | PSU CP-D 24/2.5 100-240VAC/ 24VDC DINrail        | 54 x 90 x 55  | -10...+70 °C        | 5703466209721 |
| 19119977 | Sensor tube and cap                    | For Ground Sensor DEVIreg™ 850                   | Ø 93 x 98     | -30...+70 °C        | 5703466208359 |

display used for outdoor ground or roof applications. The sensors provide information about both moisture level and temperature, resulting in an optimal control of the heating system. The DEVIreg™ 850 IV can handle up to 2 independent areas, in any of the following combinations:

- Single system for roof or ground (1 system, 1–4 sensors).

Combination system: 1 ground system and 1 roof system (2 systems, 2–4 sensors total, min. 1 sensor per system).

- Dual system: either 2 roof systems or 2 ground systems (2 systems, 2–4 sensors total, min. 1 sensor per system).

In the dual / combination systems it is possible to prioritize between the zones, e.g. if only a limited power output is available.

| Type                                                                                                | Value                                                                                                             |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Operation voltage:<br>PSU 24 VDC<br>DEVIreg™ 850 IV                                                 | 180–250 VAC, 50–60 Hz / 24 VDC<br>24 VDC ±10%                                                                     |
| Power consumption, max.:<br>DEVIreg™ 850 IV<br>Roof sensor<br>Ground sensor                         | 3 W<br>8 W (each heating element)<br>13 W (each heating element)                                                  |
| Relay resistive load, max.:<br>System A / B relay<br>Alarm relay<br>Inductive load each relay, max. | 15 A (3450 W) @ 230 V<br>2 A @ 230 V<br>1 A @ 230 V, power factor 0,3                                             |
| Sensing unit                                                                                        | DEVIbus™ connected moisture sensor(s)                                                                             |
| Cable specification for connector terminals                                                         | Max: 1 x 4 mm² or 2 x 2.5 mm²                                                                                     |
| Ball pressure test temperature                                                                      | 75 °C                                                                                                             |
| Pollution degree                                                                                    | 2 (domestic use)                                                                                                  |
| Controller type                                                                                     | 1 C                                                                                                               |
| Storage temperature                                                                                 | -25 °C to 60 °C, 90% RH non-condensing                                                                            |
| IP class                                                                                            | IP 20                                                                                                             |
| Protection class                                                                                    | Class II - □                                                                                                      |
| Dimensions (H/W/D):<br>PSU 24 VDC<br>DEVIreg™ 850 IV                                                | 85 x 73 x 53 mm<br>85 x 105 x 53 mm                                                                               |
| Mounting method                                                                                     | DIN rail                                                                                                          |
| Weight                                                                                              | 720 g                                                                                                             |
| Versions (languages)                                                                                | Latin: GB, CZ, DE, DK, ES, EST, FI, FR, HR, HU, LT, LV, NL, NO, PL, SCG, SE, SI, SK, TR.<br>Cyrillic: GB, BG, RU. |

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DEVIreg™ 850 IV with PSU



Roof sensor

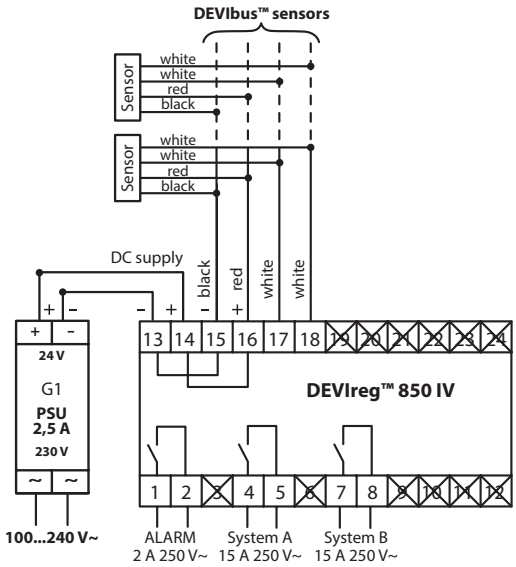


Ground sensor



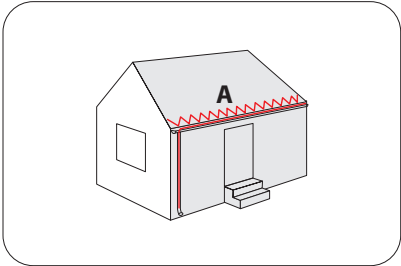
Sensor tube and cup for Ground sensor

Connection scheme

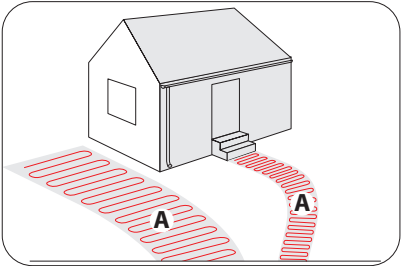


System configurations

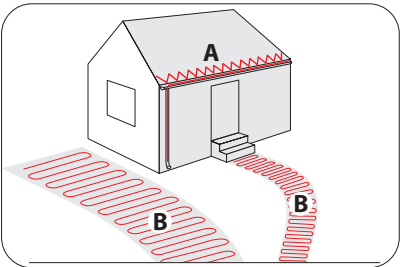
Zone support saves energy  
DEVIreg™ 850 lets you divide your area in to 2 zones, e.g. a North and South side. In this way it is possible to save energy, when the South side is free of ice and snow faster because of the heat from the sun.



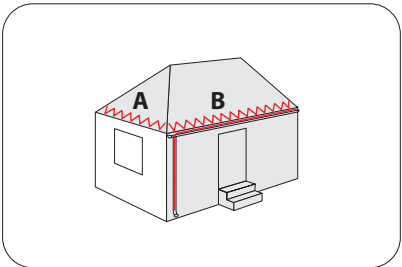
Single zone system for roofs (system A)



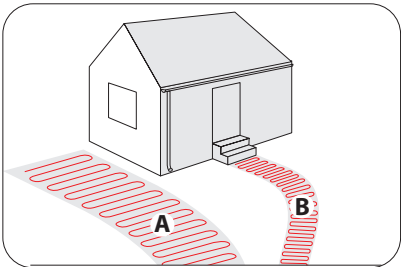
Single zone system for ground (system A)



Combined system - one zone for roof (system A), one zone for ground (system B)



Two zone system for roofs (systems A and B)



Two zone system for ground (systems A and B)



# Thermostat range for Indoor applications

|                                         |  |  |  |  |  |  |     |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Applications                            | DEVIreg™ InControl                                                                  | DEVIreg™ Opti                                                                       | DEVIreg™ Basic Polar white                                                          | DEVIreg™ Room Polar White                                                           | DEVIreg™ Display Connect                                                          | DEVIreg™ Touch                                                                    | DEVIreg™ Hotwater                                                                   |
|                                         | Comfort heating, (Total heating optional)                                           | Comfort heating, Total heating                                                      | Comfort heating                                                                     | Comfort heating, Total heating                                                      | Comfort heating, Total heating                                                    | Comfort heating, Total heating                                                    | Domestic hot water                                                                  |
| <b>Resistive, max. at 230 V</b>         | 16 A (3680 W)                                                                       | 13A (2990W)                                                                         | 16 A (3680 W)                                                                       | 16 A (3680 W)                                                                       | 16 A (3680 W)                                                                     | 16A (3680W)                                                                       | C1-NO1, C2-NO2 10 (3.5) A,<br>C3-NO3-NC3, C4-NO4-NC4 6 (4) A,<br>C8-NO8-NC8 6 (4) A |
| <b>Sensor type</b>                      | Floor (Room optional)                                                               | Room + Floor                                                                        | Floor                                                                               | Room + Floor                                                                        | Room + Floor                                                                      | Room + Floor                                                                      | Wire                                                                                |
| <b>Temperature range</b>                | 5...35 °C (Floor)                                                                   | 5...35 °C (Room) 5...45 °C (Floor)                                                  | 5...45 °C                                                                           | 15...35 °C (Room) 5...45 °C (Floor)                                                 | 15...35 °C (Room) 5...45 °C (Floor)                                               | 5...35 °C (Room) 5...45 °C (Floor)                                                | 0...100 °C                                                                          |
| <b>Regulation type</b>                  | Pulse Width Modulation                                                              | Pulse Width Modulation                                                              | Pulse Width Modulation                                                              | Pulse Width Modulation                                                              | Pulse Width Modulation                                                            | Pulse Width Modulation                                                            | On/Off, BMS                                                                         |
| <b>Display type</b>                     | LED                                                                                 | Digital                                                                             | LED                                                                                 | LED                                                                                 | LED                                                                               | Touch screen                                                                      | Digital                                                                             |
| <b>Wi-Fi, Zigbee or Bluetooth + App</b> | Zigbee, Bluetooth                                                                   | -                                                                                   | Yes                                                                                 | Yes                                                                                 | Zigbee, Bluetooth                                                                 | -                                                                                 | -                                                                                   |
| <b>Eco directive compliance</b>         | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                               | Yes                                                                               | -                                                                                   |
| <b>Sensor failure monitoring</b>        | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                               | Yes                                                                               | Yes                                                                                 |
| <b>Timer</b>                            | Intelligent/Simple                                                                  | Simple                                                                              | Intelligent/Simple                                                                  | Intelligent/Simple                                                                  | Intelligent/Simple                                                                | Intelligent/Simple                                                                | Yes                                                                                 |
| <b>Frame</b><br>*shown in the pictures  | -                                                                                   | -                                                                                   | Design frame or frame 55 x 55 mm                                                    | Design frame or frame 55 x 55 mm                                                    | Design frame or frame 55 x 55 mm                                                  | Design frame or frame 55 x 55 mm                                                  | -                                                                                   |
| <b>Multi-sensor compatibility</b>       | Yes                                                                                 | -                                                                                   | Yes                                                                                 | Yes                                                                                 | Yes                                                                               | Yes                                                                               | Yes                                                                                 |
| <b>IP class</b>                         | IP 21                                                                               | IP 21                                                                               | IP 21                                                                               | IP 21                                                                               | IP 21                                                                             | IP 21                                                                             | IP40                                                                                |
| <b>Installation</b>                     | In-wall                                                                             | In-wall                                                                             | In-wall                                                                             | In-wall                                                                             | In-wall                                                                           | In-wall                                                                           | DIN rail                                                                            |
| <b>Warranty, years</b>                  | 5                                                                                   | 2                                                                                   | 2                                                                                   | 2                                                                                   | 5                                                                                 | 5                                                                                 | 2                                                                                   |

# Thermostat range for Outdoor applications

|                               |  |              |  |  |  |  |  |                                   |
|-------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Applications                  | DEVIreg™ Plug-in                                                                   | DEVIreg™ 330 (5...45 °C)                                                                       | DEVIreg™ 330 (-10...+10 °C)                                                        | DEVIreg™ 330 (60...160 °C)                                                         | DEVIreg™ 316                                                                       | DEVIreg™ 610                                                                      | DEVIreg™ 850                                                                     | DEVIreg™ Multi                                                                                                    |
| Resistive load, max. at 230 V | Pipe frost protection                                                              | Comfort heating, Total heating, Pipe frost protection, Ground ice & snow melting, Sport fields | Pipe frost protection, Cold store protection, Sport fields                         | High temp. heating Domestic Hot Water                                              | Pipe frost protection, Roof frost protection                                       | Pipe frost protection, Ground ice & snow melting                                  | Ground ice & snow melting, Roof frost protection                                 | Pipe frost protection, Ground ice & snow melting, Sport fields, Cold Stores                                       |
| Sensor type                   | Max 16 A (3680 W)                                                                  | Max 16 A (3680 W)                                                                              | Max 16 A (3680 W)                                                                  | Max 16 A (3680 W)                                                                  | Max 16 A (3680 W)                                                                  | Max 10 A (2300 W)                                                                 | 2 × Max 15 A (3450 W)                                                            | C1-NO1, C2-NO2 10 (3,5) A, C5-NO5, C6-NO6 6 (4) A, C3-NO3-NC3, C4-NO4-NC4 6 (4) A, C7-NO7-NC7, C8-NO8-NC8 6 (4) A |
| Temperature range             | Wire                                                                               | Wire / Room optional                                                                           | Wire                                                                               | Wire                                                                               | Wire / Outdoor IP44 optional                                                       | Wire                                                                              | Ground and Roof: moisture + temperature                                          | Wire / Room optional                                                                                              |
| Regulation type               | 3 ... 15 °C                                                                        | 5 ... 45 °C                                                                                    | -10 ... +10 °C                                                                     | 60 ... 160 °C                                                                      | -10 ... +50 °C                                                                     | -10 ... +50 °C                                                                    | -10 ... +50 °C                                                                   | -50 ... +200 °C                                                                                                   |
| Economy mode                  | On/Off                                                                             | On/Off                                                                                         | On/Off                                                                             | On/Off                                                                             | On/Off                                                                             | On/Off                                                                            | On/Off                                                                           | On/Off, BMS                                                                                                       |
| Hysteresis                    | -                                                                                  | Decrease by 5 °C                                                                               | -                                                                                  | -                                                                                  | 0 ... 8 °C                                                                         | -                                                                                 | -                                                                                | ±0,4 °C                                                                                                           |
| Relay type                    | ±0,5 °C                                                                            | ±0,2 °C                                                                                        | ±0,2 °C                                                                            | ±0,4 °C                                                                            | ±0,2 ... 6 °C                                                                      | ±2 °C                                                                             | ±0,2 °C                                                                          | ±0,2 °C to ±6 °C                                                                                                  |
| Dry contact                   | NO                                                                                 | NO/NC, three-contact                                                                           | Three-contact, NO/NC                                                               | Three-contact, NO/NC                                                               | Three-contact, NO/NC                                                               | Three-contact, NO/NC                                                              | 3 x NO                                                                           | Three-contact, NO/NC                                                                                              |
| Display type                  | -                                                                                  | Yes                                                                                            | Yes                                                                                | Yes                                                                                | Yes                                                                                | -                                                                                 | Yes                                                                              | Yes                                                                                                               |
| Sensor failure monitoring     | Digital                                                                            | -                                                                                              | -                                                                                  | -                                                                                  | -                                                                                  | -                                                                                 | Digital                                                                          | Digital                                                                                                           |
| Programmable timer            | -                                                                                  | -                                                                                              | -                                                                                  | -                                                                                  | -                                                                                  | -                                                                                 | Yes                                                                              | Yes                                                                                                               |
| IP class                      | IP 20                                                                              | IP 20                                                                                          | IP 20                                                                              | IP 20                                                                              | IP 30                                                                              | IP 44                                                                             | IP 20                                                                            | IP40                                                                                                              |
| Installation                  | Plug-in                                                                            | DIN rail                                                                                       | DIN rail                                                                           | DIN rail                                                                           | DIN rail                                                                           | On-wall/On pipe                                                                   | DIN rail                                                                         | DIN rail                                                                                                          |
| Warranty, years               | 2                                                                                  | 2                                                                                              | 2                                                                                  | 2                                                                                  | 2                                                                                  | 2                                                                                 | 2                                                                                | 2                                                                                                                 |

# DEVIttemp™ Fan Heater

**DEVI**   
by Danfoss

Make it easy,  
make it DEVI



The **DEVIttemp™** fan heater is a complete portable heating system that provides a temporary but efficient heating solution. The fan heater is designed to withstand heat and cold, damp and heavy use on construction sites.

The built-in thermostat ensures that the required temperature remains constant, while keeping electricity consumption as low as possible. The fan heater can be used as a portable heater or be permanently installed.

## Benefits:

- Rugged construction
- Corrosion-resistant
- Portable or permanent installation
- Easy regulation, five-step control unit for airflow
- Thermostat to ensure required temperature remains constant
- IP Class 44

## Standard compliance:

- IEC60335-2-30



| Type                  | Value                                                            |
|-----------------------|------------------------------------------------------------------|
| Timer thermostat      | On types named "T" up to 24 hours presetting.                    |
| Adjustable thermostat | 3 - 6 KW 0 °C to 40 °C.<br>9 - 21 KW 0 °C to 40 °C.              |
| Safety thermostat     | 3 - 6 KW = 110 °C.<br>9 - 21 KW = 160 °C.<br>3 - 21 KW = 125 °C. |
| IP Class              | IP 44                                                            |
| Colour                | RAL 7004                                                         |

## Types

| Item no. | Type | W x H x D [mm]  | Voltage    | K / W | m <sup>3</sup> / h | ΔT Temp. [°C] | Weight [kg] | dB      | EAN no.       |
|----------|------|-----------------|------------|-------|--------------------|---------------|-------------|---------|---------------|
| 69810562 | 303T | 410 x 435 x 420 | 230 V~     | 3     | 400 / 650          | 14 / 19       | 12.0        | 32 - 35 | 5703464010633 |
| 69810554 | 103T | 410 x 435 x 420 | 3 x 400 V~ | 3     | 400 / 650          | 14 / 19       | 13.9        | 32 - 35 | 5703464010619 |
| 69811537 | 106T | 410 x 435 x 420 | 3 x 400 V~ | 6     | 400 / 650          | 21 / 28       | 14.2        | 33 - 42 | 5703464010626 |
| 69812543 | 109T | 410 x 435 x 420 | 3 x 400 V~ | 9     | 400 / 650          | 36 / 45       | 14.9        | 33 - 42 | 5703464010039 |
| 69812550 | 115S | 505 x 540 x 510 | 3 x 500 V~ | 15    | 800 / 1400         | 26 / 30       | 23.6        | 42 - 52 | 5703466168196 |
| 69813509 | 115T | 505 x 540 x 510 | 3 x 400 V~ | 15    | 800 / 1400         | 26 / 30       | 23.6        | 42 - 52 | 5703464003437 |
| 69814515 | 121T | 505 x 540 x 510 | 3 x 400 V~ | 21    | 800 / 1400         | 36.5 / 42     | 25.7        | 42 - 52 | 5703464008432 |

## Accessories

| Item no. | Type              | Specification                         | EAN no.       |
|----------|-------------------|---------------------------------------|---------------|
| 19400514 | Wall mounting kit | For DEVIttemp™ 303T, 103T, 106T, 109T | 5703435010464 |
| 19400522 | Wall mounting kit | For DEVIttemp™ 115S, 115T, 121T       | 5703435010471 |



**DEVItronic™** anti-condensation heater provides the perfect solution to avoid condensation problems in shielded electrical installations like boards and control cabinets.

**DEVItronic™** solves the problem with moisture and condense by increasing the

temperature a few degrees above the surrounding temperature. DEVItronic™ has a large surface and a low surface temperature, and thus the heating element will not damage print and plastic cabinets.

## Benefits:

- Rugged construction
- Corrosion-resistant
- IP Class 55

## Standard compliance:

- IEC 60335-1:2012
- IEC 60335-2-30:2009

## Compliance symbols:



| Type              | Value           |
|-------------------|-----------------|
| Temperature range | -40 °C to 45 °C |
| Cold lead         | 0,5 m           |
| IP Class          | IP 55           |

## Types

| Item no. | Item                                         | Type  | Operation voltage | Effect @ 10 °C | H x W x D (mm) | Profile    | EAN no.       |
|----------|----------------------------------------------|-------|-------------------|----------------|----------------|------------|---------------|
| 60800075 | <b>DEVItronic™ 75 mm</b>                     | PTC   | 12 - 48 V         | 15 W           | 75 x 72 x 57   | Star-shape | 5703435010532 |
| 60802071 | <b>DEVItronic™ 100 mm</b>                    | PTC   | 12 - 48 V         | 20 W           | 100 x 116 x 33 | Double     | 5703435010563 |
| 60802204 | <b>DEVItronic™ 250 mm</b>                    | PTC   | 12 - 48 V         | 40 W           | 250 x 116 x 33 | Double     | 5703435010594 |
| 60800109 | <b>DEVItronic™ 75 mm</b>                     | PTC   | 110 - 240 V       | 15 W           | 75 x 72 x 57   | Star-shape | 5703435010549 |
| 60802105 | <b>DEVItronic™ 100 mm</b>                    | PTC   | 110 - 240 V       | 20 W           | 100 x 116 x 33 | Double     | 5703435010570 |
| 60802253 | <b>DEVItronic™ 250 mm</b>                    | PTC   | 110 - 240 V       | 40 W           | 250 x 116 x 33 | Double     | 5703435010600 |
| 60802113 | <b>DEVItronic™ 100 mm</b>                    | PTC   | 220 - 440 V       | 20 W           | 100 x 116 x 33 | Double     | 5703435010587 |
| 60802261 | <b>DEVItronic™ 250 mm</b>                    | PTC   | 220 - 440 V       | 40 W           | 250 x 116 x 33 | Double     | 5703435010617 |
| 60801156 | <b>DEVItronic™ with 50 dg thermo, 145 mm</b> | OHMSK | 240 V             | 70 W           | 142 x 72 x 57  | Star-shape | 5703435010556 |
| 60802402 | <b>DEVItronic™ with 50 dg thermo, 250 mm</b> | OHMSK | 240 V             | 100 W          | 250 x 116 x 33 | Double     | 5703435010624 |
| 60802451 | <b>DEVItronic™ with 50 dg thermo, 250 mm</b> | OHMSK | 240 V             | 160 W          | 250 x 116 x 33 | Double     | 5703435011034 |

\*PTC is self-limiting control, OHMSK is resistive element with thermo switch.



# DEVItector™ II V2



Make it easy,  
make it DEVI



The **DEVItector™ II V2** equipment comprises:

A high voltage unit (HVV) with a built-in 1,8 kHz transmitter.

A battery-driven Magnetic tracer on crutch.

A battery-driven Magnetic tracer - Hand held.

The high voltage unit is used for creating a short circuit at the fault location by applying a high voltage between two conductors thus burning the polymer

insulation into a so called carbon bridge at the fault location.

The Magnetic tracer is a magnetic sensor that is an open transformer comprising a ferromagnetic yoke and a pickup coil.

The DEVItector™ II V2 is a high voltage unit and **MUST** be only be used by authorized and instructed personal!

Do NOT leave the unit unattended! Incorrect use can be fatal!

Before usage User Guide must be read and e-Learning must be completed!

## Benefits:

- Automatic test and measurement of electric heating cables
- Provoking faults in order to speed up the troubleshooting process
- Tracing hidden heating cables
- Locating a fault within a few centimeters

## Standard compliance:

- EN/IEC 61010-1 (with amendments)
- EN/IEC 61010-2-030 (with amendments)
- EN/IEC 61326-1 (with amendments)

## Compliance symbols:



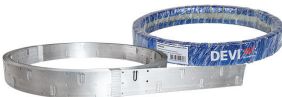
| Type                               | Value                                                                                        |
|------------------------------------|----------------------------------------------------------------------------------------------|
| <b>High Voltage Unit (HVU)</b>     |                                                                                              |
| Mains supply                       | "220–240 V~, 50–60 Hz, 1000 VA<br>Voltage fluctuations may not exceed ±10% of nominal value" |
| Fuse at mains connector            | 4TAL 250V EN/IEC 60127-2                                                                     |
| At transformer secondary coils     | 5A , 2x2 A, 0,5 A                                                                            |
| High voltage pulse                 | 10 kV                                                                                        |
| Number of high voltage pulses      | 1–3 pulses/sec.                                                                              |
| Trace frequency                    | 1,8 kHz                                                                                      |
| Cabinet dimensions                 | 250x260x380 mm                                                                               |
| Weight                             | 17 kg                                                                                        |
| IP Class                           | IP20                                                                                         |
| <b>Magnetic tracer on crutch</b>   |                                                                                              |
| Mains supply                       | 4 x 1,5 V <sup>+</sup> , battery type AA                                                     |
| Trace frequency                    | 1,8 kHz                                                                                      |
| Dimensions                         | 160x300x970 mm                                                                               |
| Weight                             | 1,6 kg                                                                                       |
| IP Class                           | IP20                                                                                         |
| <b>Magnetic tracer - Hand held</b> |                                                                                              |
| Mains supply                       | 1 x 9 V <sup>+</sup> , battery type PP3 / 6F22 / 6LF22                                       |
| Trace frequency                    | 1,8 kHz                                                                                      |
| Dimensions                         | 65x105x40 mm                                                                                 |
| Weight                             | 0,2 kg                                                                                       |
| IP Class                           | IP20                                                                                         |

## Types: DEVItector™ II V2

| Item no. | Description                                                                          | EAN no.       |
|----------|--------------------------------------------------------------------------------------|---------------|
| 12609001 | <b>Magnetic tracer on crutch for DEVItector™ II V2</b>                               | 5703465026602 |
| 12609002 | <b>DEVItector™ II V2 High Voltage Unit (Burner) with Magnetic tracer - Hand held</b> | 5703466111352 |

# Accessories and spare parts for cables and mats

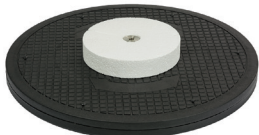
| Picture                                                                             | Name                                                  | Description/Technical data                                                                                                                 |                                                                                                             |                                            |
|-------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Fastening for down pipes                                                            |                                                       |                                                                                                                                            |                                                                                                             |                                            |
|    | <b>Cable fixing for down - pipe suspension</b>        | Dimentions<br>Chain hole size<br>1 bag with 25 pcs.                                                                                        | - 37 x 20 x 6 mm<br>- 8 mm                                                                                  | Art. no. 19805258<br>EAN no. 5703466003763 |
|    | <b>Relief clip single for drain pipes</b>             | Dimentions<br>Minimum order quantity                                                                                                       | - 35 x 10 x 10 mm<br>- 10 pcs.                                                                              | Art. no. 19406007<br>EAN no. 5703466154229 |
|    | <b>Relief clip for drain pipes</b>                    | Dimentions<br>Minimum order quantity                                                                                                       | - 50 x 10 x 10 mm<br>- 10 pcs.                                                                              | Art. no. 19406008<br>EAN no. 5703435003015 |
|   | <b>DEVIfast™ Double Special RB 25m</b>                | Metal fixing tape for resistive heating cable.<br>Cable types<br>Width<br>Length<br>Fixing distance<br>Cable C-C distance<br>Material      | - Resistive<br>- 50 mm<br>- 25 m<br>- 10 cm (on one side)<br>- 30-35 mm<br>- Galvanized steel               | Art. no. 19808185<br>EAN no. 5703466240397 |
|   | <b>DEVIfast™ Double for SLC RB 25m</b>                | Metal fixing tape for self-limiting heating cables.<br>Cable types<br>Width<br>Length<br>Fixing distance<br>Cable C-C distance<br>Material | - SLC and resistive<br>- 65 mm<br>- 25 m<br>- 15 cm (on one side)<br>- 40-45 mm (SLC)<br>- Galvanized steel | Art. no. 19808183<br>EAN no. 5703466240380 |
|   | <b>Entlastungsseil</b>                                | 500 x 5 x 5 mm<br>Cut-to-length                                                                                                            |                                                                                                             | Art. no. 19406016<br>EAN no. 5703435003022 |
|   | <b>Longlinked chain 4 mm<br/>c4 x 32 din 5685 fzn</b> | Chain hole size<br>Cut-to-length                                                                                                           | - 8 mm<br>- 1...25 m                                                                                        | Art. no. 19805241<br>EAN no. 5703435003060 |
|  | <b>Traverse v 2 a</b>                                 | Dimentions                                                                                                                                 | - 288 x 25 x 5 mm                                                                                           | Art. no. 19805449<br>EAN no. 5703435003077 |

| Picture                                                                             | Name                                        | Description/Technical data                                                                                                                                                                                                                                 |                                            |
|-------------------------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| <b>Fastening for roof and gutters</b>                                               |                                             |                                                                                                                                                                                                                                                            |                                            |
|     | <b>DEVIfast™ Double Special RB 25m</b>      | Metal fixing tape for resistive heating cable.<br>Cable types<br>- Resistive<br>Width<br>- 50 mm<br>Length<br>- 5 mm<br>Fixing distance<br>- 10 cm (on one side)<br>Cable C-C distance<br>- 30-35 mm<br>Material<br>- Galvanized steel                     | Art. no. 19808185<br>EAN no. 5703466240397 |
|     | <b>DEVIfast™ Double for SLC RB 25m</b>      | Metal fixing tape for self-limiting heating cables.<br>Cable types<br>- SLC and resistive<br>Width<br>- 65 mm<br>Length<br>- 25 mm<br>Fixing distance<br>- 15 cm (on one side)<br>Cable C-C distance<br>- 40-45 mm (SLC)<br>Material<br>- Galvanized steel | Art. no. 19808183<br>EAN no. 5703466240380 |
|     | <b>DEVIfast™ Copper 25 m In box</b>         | Copper type is used for fastening heating cables and ensure the correct C-C distance.<br>Width<br>- 21 mm.<br>Material<br>- Copper.<br>Cable C-C fixing<br>- in each 25 mm                                                                                 | Art. no. 19808238<br>EAN no. 5703466214695 |
|  | <b>DEViclip™ roofhook, installation kit</b> | Roofhook<br>- 25 pcs.<br>Cable Strip 7,6x203 mm, black<br>- 25 pcs.                                                                                                                                                                                        | Art. no. 19805192<br>EAN no. 5703466134757 |
|  | <b>DEViclip™ guardhook Install. kit</b>     | Base Roof accessories<br>- 20 pcs.<br>Angle Roof accessories<br>- 10 pcs.<br>Cable Strip 7,6x203 mm, black<br>- 30 pcs.                                                                                                                                    | Art. no. 19805193<br>EAN no. 5703466145470 |
|  | <b>Roof Gutter Clip with hinge</b>          | 1 bag with 25 pcs.                                                                                                                                                                                                                                         | Art. no. 140F1511<br>EAN no. 5703466229897 |
| <b>Fastening for floors</b>                                                         |                                             |                                                                                                                                                                                                                                                            |                                            |
|  | <b>DEViclip™ c-c</b>                        | 500 x 50 x 60 mm, 20 pcs. in bag.                                                                                                                                                                                                                          | Art. no. 19805220<br>EAN no. 5703466173213 |
|   | <b>DEViclip™ Twisto</b>                     | Plastic Bag with 1000 pcs.                                                                                                                                                                                                                                 | Art. no. 19805236<br>EAN no. 5703466172117 |
|   | <b>DEVIfast™ Metal 5 m In box</b>           | Metal type is used for fastening heating cables and ensure the correct C-C distance.                                                                                                                                                                       | Art. no. 19808234<br>EAN no. 5703466214671 |
|                                                                                     | <b>DEVIfast™ Metal 25 m In box</b>          | Width<br>- 21 mm.<br>Material<br>- Metal covered by galvanized zinc<br>Cable C-C fixing<br>- in each 25 mm                                                                                                                                                 | Art. no. 19808236<br>EAN no. 5703466214688 |

# Accessories and spare parts for cables and mats

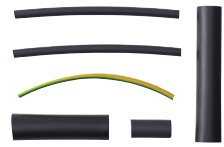
| Picture                                                                             | Name                                            | Description/Technical data                                                                                                                                                    | Art. no.          | EAN no.               |
|-------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------|
|     | <b>Montagestege type ms 5,6-6,5 mm - 25mm</b>   | 980 x 10 x 10 mm<br>1 pc.                                                                                                                                                     | Art. no. 109030   | EAN no. 5703466134740 |
|                                                                                     | <b>Montagestege type ms 6,6-8,0 mm - 25mm</b>   | 1000 x 10 x 10 mm<br>1 pc.                                                                                                                                                    | Art. no. 19805266 | EAN no. 5703435009222 |
|    | <b>Synthetic nail</b>                           | Box with 40 pcs.                                                                                                                                                              | Art. no. 19805907 | EAN no. 5703466249536 |
| <b>DEVICell™ LowCarbon accessories</b>                                              |                                                 |                                                                                                                                                                               |                   |                       |
|    | <b>Flexkit for DEVICell™ LowCarbon</b>          | Package 170 x 250 x 20 mm                                                                                                                                                     | Art. no. 18055300 | EAN no. 5703466128893 |
|    | <b>EPS-Randplatten W25 DEVICell™ L100</b>       | <b>Edge plates for DEVICell™ LowCarbon</b><br>Size 1000x250x15 mm<br>Plastic type EPS<br>Max working temp. 85 °C<br>Deformation strength >120 kPa at 10% compression<br>1 pc. | Art. no. 00109200 | EAN no. 5703466194560 |
|  | <b>Connective clips for DEVICell™ LowCarbon</b> | Connective plastic clips for mounting plate DEVICell™ LowCarbon, 5x10 pcs.                                                                                                    | Art. no. 15992250 | EAN no. 5703466129340 |
| <b>Cold leads</b>                                                                   |                                                 |                                                                                                                                                                               |                   |                       |
|  | <b>DTWK Cold lead 2x2.5mm² w/screen</b>         | Cold lead for DEViasphalt™, cut-to-length                                                                                                                                     | Art. no. 140F0902 | EAN no. 5703466233344 |
|                                                                                     | <b>DSWA Cold lead 1x1.5mm² w/screen</b>         | Cold lead for DEVibasic™, cut-to-length                                                                                                                                       | Art. no. 140F0903 | EAN no. 5703466233351 |
|                                                                                     | <b>DSWA Cold lead 1x2.5mm² w/screen</b>         | Cold lead for DEVibasic™, DEVIsport™, cut-to-length                                                                                                                           | Art. no. 140F0904 | EAN no. 5703466233368 |
|                                                                                     | <b>DSWA Cold lead 1x4.0mm² w/screen</b>         | Cold lead for DEVibasic™, DEVIsport™, cut-to-length                                                                                                                           | Art. no. 140F0905 | EAN no. 5703466233375 |
|  | <b>DTWB Cold lead 2x1.0mm² w/screen</b>         | Cold lead for DEVImat™, DEVIcomfort™, cut-to-length                                                                                                                           | Art. no. 140F0906 | EAN no. 5703466233382 |
|                                                                                     | <b>DTCL Cold lead 3x1.5mm²</b>                  | Cold lead for DEVIflex™, DEVIsafe™, DEVIsnow™, cut-to-length                                                                                                                  | Art. no. 140F0907 | EAN no. 5703466233399 |
|                                                                                     | <b>DTCL Cold lead 3x2.5mm²</b>                  | Cold lead for DEVIflex™, DEVIsafe™, DEVIsnow™, cut-to-length                                                                                                                  | Art. no. 140F0908 | EAN no. 5703466233405 |



| Picture                                                                             | Name                                                                      | Description/Technical data                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| <b>Tapes</b>                                                                        |                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                             |
|    | <b>Acrylic coated cloth tape</b><br><b>15 mm x 50 m (Textilklebeband)</b> | Strong acrylic coated cloth tape for almost every application with high adhesion even on rough surfaces, e.g. for fixing cable to concrete or on pipe, insulating of wires, etc.<br>Color gray<br>Backing material acrylic-coated cloth<br>Total thickness 310 µm<br>Type of adhesive natural rubber<br>Adhesion to steel 3.3 N/cm<br>Elongation at break 13 %<br>Tensile strength 100 N/cm<br>Temperature resistance 130 °C (30 min)<br>Mesh 145 count per inch <sup>2</sup> | Art. no. 19405877<br>EAN no. 5703435002971  |
|    | <b>Tape aluminium</b><br><b>38 mm x 50 m</b>                              | Self-adhesive, with 2-colour warning text, max. 160 °C<br>Backing Aluminium foil<br>Adhesive Waterbased Acrylic<br>Liner Monosiliconized Paper<br>Adhesion/Steel 8 N/cm<br>Tensile strength 25 N/cm<br>Total thickness 65 µm                                                                                                                                                                                                                                                  | Art. no. 19805076<br>EAN no. 5703435003053  |
|   | <b>Tape aluminium</b><br><b>25 mm x 25 m</b>                              | Self-adhesive, with 2-colour warning text, max. 160 °C.<br>Backing Aluminium foil<br>Adhesive Waterbased Acrylic<br>Liner Monosiliconized Paper<br>Adhesion/Steel 8 N/cm<br>Tensile strength 25 N/cm<br>Total thickness 65 µm                                                                                                                                                                                                                                                 | Art. no. 19805078<br>EAN no. 5703466130469  |
|  | <b>Pipe tracing warning label</b><br><b>70 mm x 260 mm</b>                | Self-adhesive, with 2 color warning text.<br>1 roll with 50 labels                                                                                                                                                                                                                                                                                                                                                                                                            | Art. no. 140F70003<br>EAN no. 5703466253595 |
| <b>Glue</b>                                                                         |                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                             |
|  | <b>Hotmelt gluesticks</b>                                                 | 170 x 250 x 20 mm<br>1 bag with 25 pcs.                                                                                                                                                                                                                                                                                                                                                                                                                                       | Art. no. 18055351<br>EAN no. 5703466114940  |
| <b>Tools</b>                                                                        |                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                             |
|  | <b>DEVI turntable™</b>                                                    | Ø400 x 70 mm<br>1 pc.                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Art. no. 19805250<br>EAN no. 5703466173220  |
| <b>Connection/repair sets</b>                                                       |                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                             |
|  | <b>DEVlcrimp™ repair set</b><br><b>1-cond. mat</b>                        | <b>Connection/repair set for 1-conductor DEVlheat™, DEVlheat™ Sport 90S, 2 connections in the set.</b><br><br>Package 170 x 230 x 20 mm                                                                                                                                                                                                                                                                                                                                       | Art. no. 18055240<br>EAN no. 5703435037980  |
|  | <b>DEVlcrimp™ repair set</b><br><b>2-cond mat</b>                         | <b>Connection/repair set for 2-conductor DEVlcomfort™ and DEVlmat™, 2 connections in the set.</b><br><br>Package 170 x 230 x 20 mm                                                                                                                                                                                                                                                                                                                                            | Art. no. 18055510<br>EAN no. 5703466074091  |

| Picture                                                                             | Name                                                                                                                    | Description/Technical data                                                                                                                                                                                                                                                                                                                                                                                | Art. no. | EAN no.       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|
|     | <b>DEVIcrimp™ kit 1-cond.<br/>Assembly or repair<br/>gb/fi</b>                                                          | <b>Connection/repair set for 1-conductor DEVIflex™, DEVIsport™, 2 connections in the set.</b><br><br>Shrink tube 12/3 Black 20 cm - 2 pcs.<br>CU-socket 14 cm - 2 pcs.<br>Shrink tube 6/1,4 Black 4 cm - 2 pcs.<br>Double tubular rivet 1,5-2,5 mm² - 2 pcs.<br>Wire CU BLW 0.248 R/m 0,30 mm - 1 m                                                                                                       | 18055442 | 5703466003435 |
|    | <b>DEVIcrimp™ CS-2C<br/>assembly kit dk<br/>2-cond.</b>                                                                 | <b>End termination repair set for 2-conductor cable DEVIflex™, DEVIsafe™, DEVIsnow™.</b><br><br>Shrink tube 12/3 Black 10 cm - 1 pc.<br>Shrink tube 6/1,4 Thin Black 4 cm - 1 pc.<br>CU-socket 6 cm - 1 pc.<br>Tubular rivet 0,5-1,0 mm² - 1 pc.<br>Wire CU BLW 0.248 R/m 0,30mm - 1 m<br>Package 170 x 230 x 20 mm                                                                                       | 18055230 | 5703466068991 |
|     | <b>Connection/Repair kit<br/>for Flex, Safe, Snow<br/>cables</b>                                                        | <b>Connection/Repair kit with end termination for DEVIflex™, DEVIsafe™, DEVIsnow™ cables in the set.</b><br><br>Parallel splice Non-insulated 1,04-2,63 mm² - 6 pcs.<br>Parallel splice Non-insulated 0,25-1,65mm² - 1 pcs.<br>Shrinktube 12/3 IAKT, 85 mm - 3 pcs.<br>Shrinktube 6/1,4 clear w. Glue 40 mm - 7 pcs.<br>Shrinktube 19/5 IAKT, 135 mm - 2 pcs.<br>DTCL 3G 1,5mm² black PVC, 0,3 m - 1 pcs. | 18055350 | 5703466003381 |
|   | <b>DEVIcrimp™ ass/repair<br/>kit 2-cond.<br/>for DEVIsphalt™</b>                                                        | <b>Connection/repair set with spacer for 2-conductor DEVIsphalt™, 2 connections in the set.</b><br><br>Shrink tube 20/6 HTC-SCM-HD Black 160 mm - 2 pcs.<br>DTWK 25 cold tail - 0,3 m<br>Shrink tube 18/4,5 Clear 70 mm - 2 pcs.<br>Spacer PPS - 2 pcs.<br>Double tubular rivet 1,5-2,5 mm² - 6 pcs.                                                                                                      | 18055355 | 5703466195192 |
|   | <b>DEVIcrimp™ assembly<br/>set dk 4-cond.<br/>Type CS-4B</b>                                                            | <b>Assembly set for 4-conductor DEVImulti - set for 1 connection</b><br><br>or 1 cold tail<br>or 1 end muff.<br>Shrink tube 19/5 Black 25 cm - 1 pc.<br>Shrink tube 12/3 Black 15 cm - 1 pc.<br>CU-stocking 25 cm - 1 pc.<br>Double tubular rivet 1,5-2,5 mm² - 5 pcs.<br>Shrink tube 6/1,4 Black 5 cm - 4 pcs.<br>Wire CU 0,30 mm - 1 m                                                                  | 19805480 | 5703466003824 |
|   | <b>DEVIcrimp™ assembly<br/>set dk 4-cond.<br/>Type CS-4A<br/>DEVIcrimp™ terminal<br/>set dk 4-cond.<br/>Type CS-4/1</b> | <b>Assembly set for 4-conductor DEVImulti - set for 2 connections</b><br><br>1 cold tail and 1 end muff or<br>2 cold tails or 2 end muffs.<br>Shrink tube 19/5 Black 25 cm - 2 pcs.<br>Shrink tube 12/3 Black 15 cm - 2 pcs.<br>CU-stocking 25 cm - 2 pcs.<br>Double tubular rivet 1,5-2,5mm² - 10 pcs.<br>Shrink tube 6/1,4 Black 5 cm - 8 pcs.<br>Wire CU 0,30 mm - 1 m                                 | 19805712 | 5703466003855 |
|  | <b>Repair kit with<br/>compound for heating<br/>cables<br/>Concrete/støbesæt<br/>gb/dk</b>                              | <b>Connection/repair set with compound for DEVIflex™, DEVIsafe™, DEVIsnow™, DEVIflex™, DEVImulti™.</b><br><br>Package 130 x 265 x 75 mm                                                                                                                                                                                                                                                                   | 19805704 | 5703466003848 |

# Self-limiting heating cables: crimp sets

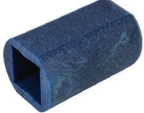
| Picture                                                                             | Name                                                                                  | Description/Technical data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                            |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| <b>Crimp sets for DEVIpipelineguard™ 30/60 Industry</b>                             |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |
|    | <b>Connection kit for DEVIpipelineguard™ 30/60 Industry (PT-30/60) heating cables</b> | <b>With clamping block for the connection of cold lead and heating cable, shrink end-cap, shrink tubes, bitumen gaskets and ferrules.</b><br><br>Shrinktube 33/5,5 Black no glue, 17 cm - 1 pc.<br>Clamping block 5x2,5 mm <sup>2</sup> - 1 pc.<br>Shrink end-cap 20/8, 75 mm - 1 pc.<br>Shrinktube 12/3 Black, 2,5 cm - 1 pc.<br>Shrinktube 16/3 yellow-green, 2,5 cm - 1 pc.<br>Bitumen gasket 1,5x85x35 mm - 3 pcs.<br>Wire end ferrule 1,5 mm <sup>2</sup> - 2 pcs.<br>Wire end ferrule 2,5 mm <sup>2</sup> - 1 pc.                                                                          | Art. no. 00109007<br>EAN no. 5703466167397 |
|    | <b>Connection kit for DEVIpipelineguard™ 30/60 Industry (PT-30/60) heating cables</b> | <b>For mounting in connection box with crew connections. With cable gland M20x1,5 with locknut, shrink end-cap, shrink tubes, bitumen gasket and ferrules.</b><br><br>Shrink end-cap 20/8, 75 mm - 1 pc.<br>Bitumen gasket 1,5x85x35 mm - 1 pc.<br>Cable gland U17 M20x1,5 - 1 pc.<br>Shrinktube 12/3 Black, 2 cm - 2 pcs.<br>Shrinktube 4/1 Black, 8 cm - 2 pcs.<br>Shrinktube 16/3 yellow-green, 8 cm - 1 pc.<br>Wire end ferrule 1,5 mm <sup>2</sup> , 7 mm - 2 pcs.<br>Wire end ferrule 2,5 mm <sup>2</sup> , 8 mm - 1 pc.                                                                   | Art. no. 00109026<br>EAN no. 5703466135778 |
| <b>Crimp sets for DEVIpipelineheat™ 10</b>                                          |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |
|  | <b>Connection kit - cable to junction box + end termination (Pipeheat)</b>            | <b>Connection set with end-cap for connection DEVIpipelineheat™ 10 V2 and V3 to junction box or connection housing and assembly end-termination.</b><br><br>4/1 Heat shrink tube, 100 m - 2 pcs.<br>9/3 Heat shrink tube, 20 mm - 1 pcs.<br>ø2 mm Tube Yellow/Green, 100 mm - 1 pcs.<br>6/1,4 Heat shrink tube, 20 mm - 1 pcs.<br>12/3 Heat shrink tube, 85 mm - 1 pcs.                                                                                                                                                                                                                          | Art. no. 140F0954<br>EAN no. 5703466071830 |
|   | <b>Connection kit - cable to cold lead + end termination (Pipeheat)</b>               | <b>Connection set with end-cap for assembly between DEVIpipelineheat™ 10 V2 and V3 and cold lead/SLC and assembly end-termination.</b><br><br>19/5 Heat shrink tube, 150 mm - 1 pcs.<br>9/3 Heat shrink tube, 85 mm - 1 pcs.<br>4/1 Heat shrink tube, 45 mm - 3 pcs.<br>Double tubular rivet, 0,5-1,0 mm <sup>2</sup> - 3 pcs.<br>6/1,4 Heat shrink tube, 20 mm - 1 pcs.<br>12/3 heat shrink tube, 85 mm - 1 pcs.                                                                                                                                                                                | Art. no. 140F0955<br>EAN no. 5703466074985 |
|  | <b>3/4"+1" Pipe Fitting DEVIpipelineheat™ 10 V3</b>                                   | <b>Wadding for Internal mounting In pipe for DEVIpipelineheat™ 10 V3</b><br><br>Stainless steel pipe fitting and nut.<br>Rubber conic sliced sleeve, oval hole.<br>Max. water pressure - 10 bar at max. water temperature 23 °C                                                                                                                                                                                                                                                                                                                                                                  | Art. no. 140F0956<br>EAN no. 5703466250037 |
| <b>Crimp sets for DEVIpipelineguard™, DEVLiceguard™, DEVIhotwatt™</b>               |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |
|   | <b>Con. Kit, cable/box self-limiting cables, dk/gb</b>                                | <b>Connection set with end-cap and flathole packing for connection DEVIpipelineguard™, DEVLiceguard™ or DEVIhotwatt™ to junction box or connection housing and assembly end-termination.</b><br><br>Shrinkfit End-cap 14/4.5 60 mm - 1 pc.<br>Hot melt tape 0,5x25 mm 6,7 cm - 1 pc.<br>Hot melt tape 0,5x25 mm 10 cm - 1 pc.<br>Shrink tube 19/9,5 Clear 10 cm - 1 pc.<br>Shrink tube 12/3 Black 2,5 cm - 1 pc.<br>Wire CU 0.30 mm - 1 m<br>Shrink tube 12/3 Black 2 cm - 1 pc.<br>Flathole packing PG16 ø20 mm SLC - 1 pc.<br>Shrink tube 4/1 Black 7 cm - 2 pcs.<br>Package 170 x 230 x 20 mm | Art. no. 19805753<br>EAN no. 5703466003879 |

| Picture                                                                             | Name                                                                                                                                                        | Description/Technical data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Art. no. | EAN no.       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|
|     | <b>Con. Kit, cable/cold tail self-limiting cables, dk/gb</b>                                                                                                | <b>Connection set with end-cap for assembly between DEVIpipelineguard™, DEVliceguard™ or DEVIhotwatt™ and cold lead/SLC and assembly end-termination.</b><br><br>Hot melt tape 0,5x25 mm 10 cm - 1 pc.<br>Shrinktube ECC 3/4 Kynar 10 cm - 1 pc.<br>Shrinkfit End-cap 14/4,5 60 mm - 1 pc.<br>Shrink tube 19/5 Black 135 mm - 1 pc.<br>Double tubular rivet insul. 1,5-2,5 mm <sup>2</sup> - 3 pcs.<br>Wire CU 0.30 mm - 1 m<br>Shrink tube 12/3 Black 2,5 cm - 1 pc.<br>Shrink tube 12/3 Black 2 cm - 1 pc.<br>Shrink tube 4/1 Black 1,5 cm - 2 pcs.<br>Package 170 x 230 x 20 mm                                                                                                | 19805761 | 5703466003886 |
|    | <b>Con. Kit, cable/cable self-limiting cables, dk/gb</b>                                                                                                    | <b>Fitting set for joining of self-limiting cables DEVIpipelineguard™, DEVliceguard™, DEVIhotwatt™ to self-limiting cable.</b><br><br>Shrink tube 12/3 Black 4 cm - 1 pc.<br>Shrink tube 19/5 Black 4 cm - 1 pc.<br>Shrink tube 12/3 Black 8 cm - 1 pc.<br>Hot melt tape 0,5x25 mm 10 cm - 1 pc.<br>Shrink tube 19/9,5 Clear 17 cm - 1 pc.<br>Shrink tube 3/1 Black 6 cm - 1 pc.<br>Soldering tin 0.8 mm RA - 1 m<br>Double tubular rivet insul. 1,5-2,5 mm <sup>2</sup> - 3 pcs.<br>Tape TESA Black 15mm roll 10 m - 1 pc.<br>Package 170 x 230 x 20 mm                                                                                                                          | 19805779 | 5703466003893 |
|   | <b>DEVicrimp™ t-connection for self-limiting cables</b>                                                                                                     | <b>Fitting set for joining of 1 self-limiting cable DEVIpipelineguard™, DEVliceguard™ or DEVIhotwatt™ to 2 self-limiting cables with T-connection.</b><br><br>Shrink tube 19/5 Black 25 cm - 1 pc.<br>Shrink tube 19/5 Black 18 cm - 1 pc.<br>Shrink tube 19/9,5 Clear 10 cm - 1 pc.<br>Shrinkfit End-cap 14/4,5 60 mm - 1 pc.<br>Shrink tube 9/3 Black 2 cm - 4 pc.<br>Shrink tube 9/3 Black 3,5 cm - 2 pc.<br>Double tubular rivet 4 mm <sup>2</sup> - 1 pc.<br>Double tubular rivet 1,5-2,5 mm <sup>2</sup> - 2 pcs.<br>Shrink tube 4/1 Black 4 cm - 6 pc.<br>Hot melt tape 0,5x25 mm 6 cm - 7 pc.<br>Shrink tube 18/4,5 Splicemelt 12 cm - 1 pc.<br>Package 230 x 320 x 20 mm | 19806421 | 5703466169780 |
|  | <b>ANSCHLGAR. M/KLEM Z.VERB.VON FLEXIB. KALT</b><br>(Anschlussgarnitur, mit Klemmstein zur Verbindung von flexibler Kaltleitung und Heizband, Endabschluss) | <b>Connection set with clamping block and with end-termination for assembly between DEVIpipelineheat™, DEVIhotwatt™, DEVliceguard™ and cold lead.</b><br><br>Shrinktube 24/8 Black 12 cm - 1 pc.<br>Clamping block 5x2,5 mm <sup>2</sup> - 1 pc.<br>Shrinkfit end-cap TEC12-4 - 1 pc.<br>Shrinktube 12/3 Black, 2,5 cm - 1 pc.<br>Shrinktube 3/1,6 yellow-green, 2,5 cm - 1 pc.<br>Wire end ferrule 1,5 mm <sup>2</sup> - 2 pcs.                                                                                                                                                                                                                                                  | 19400126 | 5703435002810 |
|  | <b>Endcap</b>                                                                                                                                               | <b>Shrinkfit End-cap TEC12-4</b><br><br>Package 245 x 10 x 170 mm<br>1 pc. in a bag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 19400142 | 5703435002834 |



# Self-limiting heating cables: crimp sets

| Picture                                                                             | Name                                                  | Description/Technical data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Art. no.                                   | EAN no. |
|-------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------|
|    | <b>Anschlussgarnitur fuer poestergehause</b>          | <b>Connection set with end-cap for connection self-limiting cables to junction box or connection housing and assembly end-termination.</b><br><br>Shrinkfit End-cap TEC12-4 - 1 pc.<br>Cable gland M20, Hole: 5x7,5 mm oval - 1 pc.<br>Cable gland M25, Hole: 5x11,5 mm oval - 1 pc.<br>Shrink tube 12/3 Black 2 cm - 2 pcs.<br>Shrink tube 3/16 Yellow/Green 8 cm - 1 pc.<br>Shrink tube 4/1 Black 8 cm - 2 pcs.<br>Wire end ferrule 1,5 mm <sup>2</sup> - 2 pcs.<br>Package 250 x 25 x 165 mm                                                                                                                                                                                                                                                                                                   | Art. no. 19400100<br>EAN no. 5703435002797 |         |
|    | <b>Insulation introduction</b>                        | Cable gland M20, Hole: 5x7,5 mm oval - 1 pc.<br>Cable gland M25, Hole: 5x11,5 mm oval - 1 pc.<br>Metal mounting plate M20 60x60x1 mm AISI304 - 1 pc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Art. no. 11010410<br>EAN no. 5703435031001 |         |
|   | <b>Flathole packing PG16 for self-limiting cables</b> | <b>For cable gland M25 for self-limiting cables DEVIceguard™, DEVIpipeguard™ and DEVIhotwatt™.</b><br><br>Size: ø20x6 mm.<br>Hole size: 5x11,5 mm, oval.<br>Minimum order quantity 20 pcs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Art. no. 19805787<br>EAN no. 5703435009192 |         |
| <b>Junction box and accessories</b>                                                 |                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                            |         |
|  | <b>Junction box 0,75-2,5 mm<sup>2</sup> 7xM20</b>     | <b>Box for indoor installation.</b><br><br>Rated insulation voltage $U_i = 690$ V AC/DC<br>Rated current 20 A<br>Material PP (polypropylene)<br>Degree of protection IP 66<br>Width 93 mm<br>Height 93 mm<br>Depth 62 mm<br>Weight 0,129 kg<br>Tightening torque 0,5 Nm<br>In accordance with IEC 60670-22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Art. no. 19400167<br>EAN no. 5703435002858 |         |
|  | <b>Junction box 1,5-4 mm<sup>2</sup> 7xM20/M25 UV</b> | <b>Weatherproof box for outdoor installation.</b><br><br>Terminal 2 clamping units/pole, 5-pole, per pole<br>8x1,5 mm <sup>2</sup> r/f,<br>6x2,5 mm <sup>2</sup> r/f,<br>4x4 mm <sup>2</sup> r/f, 2x6 mm <sup>2</sup> r/f<br><br>Rated insulation voltage $U_i = 690$ V AC/DC<br>Rated current 32 A<br>Material PC-GFS (polycarbonate)<br>Degree of protection IP 66 / IP 67 / IP 69;<br>IP 67, temporary submersion;<br>IP 69, water pressure max. 100 bar, water temp. max. 80°C,<br>distance $\geq 0,15$ m<br><br>Size 104x104x70 mm<br>weight 0,17 kg<br>tightening torque 0,7 Nm<br>in accordance with IEC 60670-22<br>in accordance with DNV GL - Certificate No TAE00000EE<br>Russian Maritime Register of Shipping, approved by the letter No. 250-A-1180-108795<br>No. 250-A-1180-108795 | Art. no. 19400165<br>EAN no. 5703466248539 |         |
|  | <b>Bracket</b>                                        | <b>Fitting for connection of housing or junction box to pipes, etc.</b><br>1 pc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Art. no. 19405851<br>EAN no. 5703435002964 |         |

| Picture                                                                             | Name                                                             | Description/Technical data                         |                                            |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------|
| <b>Fastening</b>                                                                    |                                                                  |                                                    |                                            |
|     | <b>Heizbandhalter v2a<br/>10 cm cc 10 cm</b>                     | 1000 mm x 30 mm<br>1 pc.                           | Art. no. 19805300<br>EAN no. 5703466075104 |
|                                                                                     | <b>Heizbandhalter v2a<br/>15 cm cc 15 cm</b>                     | 1000 mm x 30 mm<br>1 pc.                           | Art. no. 19805301<br>EAN no. 5703466195789 |
|    | <b>Spaceclip for<br/>self-limiting cables</b>                    | 300 x 5 x 70 mm, stainless steel AISI 304<br>1 pc. | Art. no. 19805746<br>EAN no. 5703435010501 |
|    | <b>Cable ties</b>                                                | Package 300 x 120 x 20 mm<br>1 bag with 100 pcs.   | Art. no. 00109004<br>EAN no. 5703466090282 |
| <b>DEVIconnecto for DEVIceguard™ (B), DEVIpipelineguard™ (B), DEVIfhotwatt™ (B)</b> |                                                                  |                                                    |                                            |
|   | <b>DEVIconnecto B-A<br/>Connection</b>                           | Package 130 x 265 x 75 mm                          | Art. no. 19808360<br>EAN no. 5703466103067 |
|  | <b>DEVIconnecto<br/>B-C Heating cable<br/>connection</b>         | 130 x 265 x 75 mm                                  | Art. no. 19808361<br>EAN no. 5703466103074 |
|  | <b>DEVIconnecto B-E End<br/>termination</b>                      | 130 x 265 x 75 mm                                  | Art. no. 19808362<br>EAN no. 5703466103081 |
|  | <b>DEVIconnecto<br/>B-S Connection<br/>termination</b>           | 130 x 265 x 75 mm                                  | Art. no. 19808363<br>EAN no. 5703466103098 |
|  | <b>DEVIconnecto B-T,<br/>T-Junction + End<br/>termination</b>    | 130 x 265 x 75 mm                                  | Art. no. 19808364<br>EAN no. 5703466103104 |
|  | <b>DEVIconnecto B-TE2<br/>Junction + 2 End ter-<br/>mination</b> | 130 x 265 x 75 mm                                  | Art. no. 19808365<br>EAN no. 5703466103111 |
|  | <b>DEVIconnecto B-TE3<br/>Junction + 3 End<br/>termination</b>   | 130 x 265 x 75 mm                                  | Art. no. 19808366<br>EAN no. 5703466103128 |

# Self-limiting heating cables: crimp sets

| Picture                                                                             | Name                                                     | Description/Technical data                                                                  | Art. no. | EAN no.       |
|-------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|---------------|
|    | <b>DEVIconnecto B-X, X-Junction + 2 End termination</b>  | 130 x 265 x 75 mm                                                                           | 19808367 | 5703466103135 |
|    | <b>DEVIconnecto Bracket, ref AH 61400005</b>             | Bracket for installation outside the insulation.<br>Length 194 mm, high 55 mm, width 30 mm. | 19808390 | 5703466125021 |
| <b>DEVI EasyConnect for DEVlceguard™ (T), DEVlpipeguard™ (T)</b>                    |                                                          |                                                                                             |          |               |
|    | <b>DEVI EasyConnect EC-1 Power connection</b>            | Power supply connection set                                                                 | 98300870 | 5703466214503 |
|  | <b>DEVI EasyConnect EC-T1 Heating cable connection</b>   | Connection set for 2 heating cables                                                         | 98300871 | 5703466214510 |
|  | <b>DEVI EasyConnect EC-ETK End termination</b>           | End plug set                                                                                | 98300872 | 5703466214527 |
|  | <b>DEVI EasyConnect EC-1 +ETK Power con. + end term.</b> | Power supply connection set with an end plug                                                | 98300873 | 5703466214534 |
|  | <b>DEVI EasyConnect EC-T2 Heating cable con x 2</b>      | Set for heating cable branching – 1 to 2                                                    | 98300874 | 5703466214541 |
|  | <b>DEVI EasyConnect EC-2 Power connection x 2</b>        | Power supply connection set for 2 cables                                                    | 98300875 | 5703466214558 |
|  | <b>DEVI EasyConnect EC-3 Power connection x 3</b>        | Power supply connection set for 3 cables                                                    | 98300876 | 5703466214565 |

# Accessories and spare parts for dry solutions



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| Picture                                                                             | Name                                                                    | Description/Technical data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------|-----------------|--------|------------------|------------------|-----------------------------|-------------------------------------------------------------------------|---------------------|--------------------------------------|------------------|-------------|--------------------------------------------|-------|------|--------------------------------|---------------|-------------|--------------------------------------------|
| DEVIfoil™                                                                           |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
|    | <b>Cold lead 1 x 1.5 mm<sup>2</sup><br/>Black 50 m</b>                  | <b>Flexible 1-core cable.</b><br><br>U0/U = 450/750 V~.<br>Max. 90/105 °C.<br>Package 210 x 210 x 65 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Art. no. 00106010<br>EAN no. 5703466124086 |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
|    | <b>Cold lead 1 x 1.5 mm<sup>2</sup><br/>Blue 50 m</b>                   | <b>Flexible 1-core cable.</b><br><br>U0/U = 450/750 V~.<br>Max. 90/105 °C.<br>Package 210 x 210 x 65 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Art. no. 00106011<br>EAN no. 5703466124093 |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
|    | <b>Cold lead 1 x 2.5 mm<sup>2</sup><br/>Black 50 m</b>                  | <b>Flexible 1-core cable.</b><br><br>U0/U = 450/750 V~.<br>Max. 90/105 °C.<br>Package 210 x 210 x 65 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Art. no. 00106012<br>EAN no. 5703466124109 |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
|   | <b>Cold lead 1 x 2.5 mm<sup>2</sup><br/>Blue 50 m</b>                   | <b>Flexible 1-core cable.</b><br><br>U0/U = 450/750 V~.<br>Max. 90/105 °C.<br>Package 210 x 210 x 65 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Art. no. 00106013<br>EAN no. 5703466124116 |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
|  | <b>Duct tape<br/>50 mm x 50 m<br/>(Lærredstape)</b>                     | <b>Strong self adhesive tape with typical duct features for a wide range of applications. It consists of a 27 mesh woven PET/cotton fabric backing coated with a natural rubber adhesive.</b><br><br><table><tr><td>Backing</td><td>PE laminated cloth</td></tr><tr><td>Total thickness</td><td>230 µm</td></tr><tr><td>Type of adhesive</td><td>synthetic rubber</td></tr><tr><td>Adhesion to steel</td><td>4.4 N/cm</td></tr><tr><td>Elongation at break</td><td>16 %</td></tr><tr><td>Tensile strength</td><td>40 N/cm</td></tr><tr><td>Temperature resistance</td><td>60 °C</td></tr><tr><td>Mesh</td><td>27 count per inch<sup>2</sup></td></tr><tr><td>Producer type</td><td>tesa® 60462</td></tr></table> | Backing                                    | PE laminated cloth | Total thickness | 230 µm | Type of adhesive | synthetic rubber | Adhesion to steel           | 4.4 N/cm                                                                | Elongation at break | 16 %                                 | Tensile strength | 40 N/cm     | Temperature resistance                     | 60 °C | Mesh | 27 count per inch <sup>2</sup> | Producer type | tesa® 60462 | Art. no. 98931300<br>EAN no. 5703466147894 |
| Backing                                                                             | PE laminated cloth                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
| Total thickness                                                                     | 230 µm                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
| Type of adhesive                                                                    | synthetic rubber                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
| Adhesion to steel                                                                   | 4.4 N/cm                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
| Elongation at break                                                                 | 16 %                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
| Tensile strength                                                                    | 40 N/cm                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
| Temperature resistance                                                              | 60 °C                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
| Mesh                                                                                | 27 count per inch <sup>2</sup>                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
| Producer type                                                                       | tesa® 60462                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
|  | <b>Tape 2-sided<br/>25 mm x 50 m,<br/>double-faced</b>                  | <b>Double-sided tape with a non-woven backing. General purpose. The thick layer of adhesive bonds well on uneven surfaces and has a very high initial bond.</b><br><br><table><tr><td>Backing material</td><td>non-woven</td></tr><tr><td>Total thickness</td><td>110 µm</td></tr><tr><td>Type of adhesive</td><td>synthetic rubber</td></tr><tr><td>Adhesion initial /&gt; 14 days</td><td>Steel 12/13 N/cm,<br/>PE 5,5/7 N/cm,<br/>PP 7/12 N/cm,<br/>PVC 9/12,5 N/cm</td></tr><tr><td>Temp. resistance</td><td>short term 80 °C,<br/>long term 40 °C</td></tr><tr><td>Producer type</td><td>tesa® 51570</td></tr></table>                                                                                      | Backing material                           | non-woven          | Total thickness | 110 µm | Type of adhesive | synthetic rubber | Adhesion initial /> 14 days | Steel 12/13 N/cm,<br>PE 5,5/7 N/cm,<br>PP 7/12 N/cm,<br>PVC 9/12,5 N/cm | Temp. resistance    | short term 80 °C,<br>long term 40 °C | Producer type    | tesa® 51570 | Art. no. 98931301<br>EAN no. 5703466147900 |       |      |                                |               |             |                                            |
| Backing material                                                                    | non-woven                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
| Total thickness                                                                     | 110 µm                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
| Type of adhesive                                                                    | synthetic rubber                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
| Adhesion initial /> 14 days                                                         | Steel 12/13 N/cm,<br>PE 5,5/7 N/cm,<br>PP 7/12 N/cm,<br>PVC 9/12,5 N/cm |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
| Temp. resistance                                                                    | short term 80 °C,<br>long term 40 °C                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
| Producer type                                                                       | tesa® 51570                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |
|  | <b>Vulkatape vm<br/>38 mm x 6 m</b>                                     | <b>For isolation of DEVIfoil™ connectors after connecting to the foils powerlines</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Art. no. 98931302<br>EAN no. 5703466147917 |                    |                 |        |                  |                  |                             |                                                                         |                     |                                      |                  |             |                                            |       |      |                                |               |             |                                            |



# Accessories and spare parts for dry solutions

| Picture                                                                            | Name                                                                              | Description/Technical data |                                            |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------|--------------------------------------------|
|   | <b>Depron glue, 5 kg</b>                                                          | Package 195 x 195 x 140 mm | Art. no. 00106017<br>EAN no. 5703466207338 |
|   | <b>Connector<br/>for DEVIfoil™ Floor,<br/>500 pc (1 box)</b>                      | Package 170 x 150 x 140 mm | Art. no. 98931203<br>EAN no. 5703466128893 |
|   | <b>Pliers for connectors</b>                                                      | Package 150 x 20 x 120 mm  | Art. no. 98931205<br>EAN no. 5703466128923 |
|   | <b>Depron®, 3 mm,<br/>40 pc (1 box),<br/>-60 °C to +70 °C,<br/>80 cm x 125 cm</b> | 1260 x 820 x 135 mm        | Art. no. 00106014<br>EAN no. 5703466125137 |
|  | <b>Depron®, 6 mm,<br/>20 pc (1 box),<br/>-60 °C to +70 °C,<br/>80 cm x 125 cm</b> | 1260 x 820 x 135 mm        | Art. no. 00106015<br>EAN no. 5703466125144 |

# Accessories and spare parts for controls



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| Picture                                                                             | Name                                                             | Description/Technical data                                                                                                                 |                                            |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| <b>For DEVIreg™ 233</b>                                                             |                                                                  |                                                                                                                                            |                                            |
|    | <b>DEVIreg™ 233 Front, knob 1 pcs. in box, White</b>             |                                                                                                                                            | Art. no. 19805922<br>EAN no. 5703466164587 |
|    | <b>DEVIreg™ 233 Front, knob 1 pcs. in box, Light grey</b>        |                                                                                                                                            | Art. no. 19805923<br>EAN no. 5703466164594 |
|    | <b>DEVIreg™ 233 Front, knob 1 pcs. in box, Charcoal grey</b>     |                                                                                                                                            | Art. no. 19805924<br>EAN no. 5703466164600 |
| <b>For thermostats with flush-mounted fixing</b>                                    |                                                                  |                                                                                                                                            |                                            |
|  | <b>Multiboks PFXP/red E-1223740</b>                              | Package 76 x 71 x 55 mm                                                                                                                    | Art. no. 19808930<br>EAN no. 5703435003398 |
|  | <b>Wall box EURO size ELKO Plus 40mm E-1470812 sharp corners</b> | Package 86 x 86 x 40 mm<br>Single surface house ELKO Plus<br>Colour Polarwhite<br>Height 40 mm<br>Halogenfree<br>Screw distance, C-C 60 mm | Art. no. 189B9139<br>EAN no. 5703466213780 |
| <b>For DEVIreg™ 610</b>                                                             |                                                                  |                                                                                                                                            |                                            |
|  | <b>Pipe assembly set, dk</b>                                     | Package 85 x 85 x 32 mm                                                                                                                    | Art. no. 19116920<br>EAN no. 5703465002873 |
| <b>Sensors and accessories for sensors</b>                                          |                                                                  |                                                                                                                                            |                                            |
|  | <b>Room sensor Danish form factor, DK only</b>                   | 63 x 63 x 25 mm,<br>NTC 15 kOhm at 25 °C,<br>IP 20                                                                                         | Art. no. 140F1090<br>EAN no. 5703466209295 |
|  | <b>Room sensor, 426-frame</b>                                    | 85 x 85 x 30 mm,<br>NTC 15 kOhm at 25 °C,<br>IP 20                                                                                         | Art. no. 140F1095<br>EAN no. 5703466209684 |

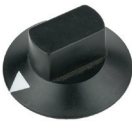
# Accessories and spare parts for controls

| Picture                                                                             | Name                                                                                                            | Description/Technical data                                                                                                                                  | Art. no.            | EAN no.       |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------|
|    | <b>Outdoor sensor IP44</b>                                                                                      | 80 x 50 x 35 mm,<br>NTC 15 kOhm at 25 °C,<br>IP 44                                                                                                          | 140F1096            | 5703466209691 |
|    | <b>Sensor cable 3 m,<br/>15 kOhm,<br/>Santoprene</b>                                                            | Wire sensor 2x0,75 mm <sup>2</sup> ,<br>NTC 15 kOhm at 25 °C,<br>Ø5 mm,<br>black<br>Santoprene (TPV) outer sheath,<br>IP 67,<br>Temp. range -25 °C to 90 °C | 140F1091            | 5703466209301 |
|                                                                                     | <b>Temperature Sensor<br/>10 m NTC 15k<br/>Santoprene</b>                                                       |                                                                                                                                                             | 140F1098            | 5703466210734 |
|                                                                                     | <b>Temperature Sensor<br/>40 m NTC15k<br/>Santoprene</b>                                                        |                                                                                                                                                             | 19121445            | 5703466115015 |
|                                                                                     |                                                                                                                 | Temp., °C                                                                                                                                                   | Resistanse,<br>kOhm |               |
|                                                                                     |                                                                                                                 | -10                                                                                                                                                         | 66,1                |               |
|                                                                                     |                                                                                                                 | -5                                                                                                                                                          | 52,5                |               |
|                                                                                     |                                                                                                                 | 0                                                                                                                                                           | 41,1                |               |
|                                                                                     |                                                                                                                 | 5                                                                                                                                                           | 33,2                |               |
|                                                                                     |                                                                                                                 | 10                                                                                                                                                          | 27,0                |               |
|                                                                                     |                                                                                                                 | 15                                                                                                                                                          | 22,1                |               |
|                                                                                     |                                                                                                                 | 20                                                                                                                                                          | 18,2                |               |
|                                                                                     |                                                                                                                 | 25                                                                                                                                                          | 15,0                |               |
|                                                                                     |                                                                                                                 | 30                                                                                                                                                          | 12,3                |               |
|                                                                                     |                                                                                                                 | 35                                                                                                                                                          | 10,4                |               |
|                                                                                     |                                                                                                                 | 40                                                                                                                                                          | 8,7                 |               |
|                                                                                     |                                                                                                                 | 45                                                                                                                                                          | 7,4                 |               |
|                                                                                     |                                                                                                                 | 50                                                                                                                                                          | 6,2                 |               |
|  | <b>Outdoor sensor 2,5 m,<br/>15 kOhm, PVC, DIN<br/>44574</b>                                                    | Wire sensor, 2x0,75 mm <sup>2</sup> ,<br>NTC 15 kOhm at 25 °C,<br>Ø10 mm,<br>white PVC outer sheath,<br>IP 67,<br>Temp. range -25 °C to 70 °C               | 140F1092            | 5703466209318 |
|  | <b>Silicon temperature<br/>sensor<br/>for DEVireg<sup>™</sup> 330<br/>(60-160°C),<br/>NTC 16,1 kOhm @ 100°C</b> | Wire sensor, 2,5 m, 2x0,75 mm <sup>2</sup> ,<br>NTC 16,1 kOhm at 100 °C,<br>Ø9 mm,<br>IP 65,<br>Temp. range 50 °C to 170 °C                                 | 140F1097            | 5703466209707 |
|  | <b>Flexpipe Ø6,7 mm,<br/>2,5 m</b>                                                                              | Package 170 x 240 x 20 mm,<br>inner Ø6,7 mm, outer Ø10 mm, Black                                                                                            | 140F1114            | 5703466215234 |
|  | <b>AstroFlex FFYTL<br/>Ø8,5 mm, roll 50 m</b>                                                                   | Package 400 x 130 x 400 mm,<br>Flexpipe for sensor and cable protection.                                                                                    | 19809100            | 5703435009314 |
|  | <b>Sensor shell M20</b>                                                                                         | Size 95 x Ø20 mm<br>inner Ø10,5 mm,<br>inner Ø19,9 mm                                                                                                       | 12500112            | 5703435031025 |

| Picture                                                                             | Name                                             | Description/Technical data                                                                                                                                                                                                                                                                               | Art. no. | EAN no.       |
|-------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|
|    | <b>Sensor end-cap brass for Flexpipe Ø6,7 mm</b> | Package 60 x Ø12 mm, size 60 x Ø12 mm, inner Ø6,7 mm, inner Ø10 mm                                                                                                                                                                                                                                       | 12500120 | 5703466111543 |
|    | <b>Accessory kit Elements Transition Pipe</b>    | Mounting kit for 3 m wire sensor                                                                                                                                                                                                                                                                         | 18055354 | 5703466124420 |
| <b>For DEVIreg™ 850</b>                                                             |                                                  |                                                                                                                                                                                                                                                                                                          |          |               |
|    | <b>Sensor tube and cap for DEVIreg™ 850</b>      | Installation tube for Ground Sensor DEVIreg™ 850<br>Ø 93 x 98                                                                                                                                                                                                                                            | 19119977 | 5703466208359 |
|  | <b>PSU CP-D 24/2.5 100-240VAC/24VDC DINrail</b>  | Primary switch mode Power Supply Unit for DEVIreg 850.<br><br>Input voltage 100-240 VAC, 47-63 Hz<br>Output voltage 24 VDC (24-28 VDC)<br>Output current/power, max 2,5 A / 60 W<br>Ambient temp., operation -10...+70 °C<br>IP class IP20<br>Mounting on DIN-rail<br>Dimensions (H/W/D) 54 x 90 x 55 mm | 140F1089 | 5703466209721 |



## Accessories and spare parts for other heating elements

| Picture                                                                            | Name                                                   | Description/Technical data                                              | Art. no.          | EAN no.               |
|------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------|-------------------|-----------------------|
|   | <b>Wall mounting for DEVIttemp<sup>™</sup> cabin A</b> | Package 280 x 40 x 130 mm                                               | Art. no. 19400514 | EAN no. 5703435010464 |
|                                                                                    | <b>Wall mounting for DEVIttemp<sup>™</sup> cabin B</b> | Package 360 x 150 x 40 mm                                               | Art. no. 19400522 | EAN no. 5703435010471 |
|   | <b>Button</b>                                          | Button for DEVIttemp <sup>™</sup> 115T, DEVIttemp <sup>™</sup> 121T     | Art. no. 19001874 | EAN no. 5703435001332 |
|  | <b>Heating element 400 V, 2000 W</b>                   | Heating element for DEVIttemp <sup>™</sup> 106T                         | Art. no. 23804776 | EAN no. 5703466168752 |
|                                                                                    | <b>Heating element 400 V, 3000 W</b>                   | Heating element for DEVIttemp <sup>™</sup> 109T                         | Art. no. 23804792 | EAN no. 5703466208779 |
|                                                                                    | <b>Heating element 400 V, 3500 W</b>                   | Heating element for DEVIttemp <sup>™</sup> 121T                         | Art. no. 23804594 | EAN no. 5703464001761 |
|                                                                                    | <b>3-pole thermostat 0-40 °C, 125 °C</b>               | Thermostat for DEVIttemp <sup>™</sup> 303T                              | Art. no. 19002237 | EAN no. 5703466096475 |
|                                                                                    | <b>3-pole thermostat 0-40 °C, 165 °C</b>               | Thermostat for DEVIttemp <sup>™</sup> 106T, DEVIttemp <sup>™</sup> 109T | Art. no. 19001297 | EAN no. 5703464010909 |
|                                                                                    | <b>1-pole thermostat 0-40 °C</b>                       | Thermostat for DEVIttemp <sup>™</sup> 115T, DEVIttemp <sup>™</sup> 121T | Art. no. 19001056 | EAN no. 5703435001257 |
|                                                                                    | <b>1-pole thermal fuse 160 °C</b>                      | Thermostat for DEVIttemp <sup>™</sup> 115T, DEVIttemp <sup>™</sup> 121T | Art. no. 19002211 | EAN no. 5703464008524 |

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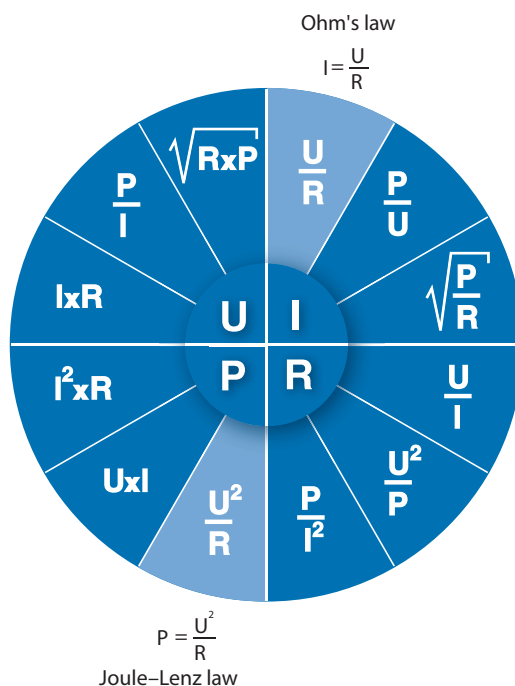
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# Expand your knowledge

Danfoss Floor Heating Electrical is Europe's leading manufacturer of intelligent electrical floor heating and frost protection systems.

This position is secured by a dedicated focus on advanced and above all user-friendly systems, developed in the world's largest competence center for floor heating.

## Electrotechnical formulas



## Cable calculation formulas

$$L = U / \sqrt{(p \cdot r)},$$

$$r = U^2 / (L^2 \cdot p),$$

$$p = U^2 / (L^2 \cdot r),$$

where:

L – length of heating cable (m);

U – supply voltage (V);

p – specific output (W/m);

r – specific resistance (Ohm/m).

# New DEVI Website

Our DEVI website has been redesigned to make it easier than ever to find what you're looking for.

Explore features that help you quickly access the information and tools you need:

- **Clear Overview of Our Solutions**  
Easily explore our products and applications with a new, user-friendly layout.
- **Tools and Apps**  
Download a range of practical tools and apps, including DEVI BIM models and the Danfoss Installer app for creating e-Warranty, all designed to make your daily work easier.
- **Chatbot Assistance**  
Got questions? Use our chatbot to help you find the right answers quickly.



Make it easy, make it DEVI

DEVI is a Danfoss Group subsidiary and a global leader in heating. With a focus on quality and durability, we continue to leverage decades of experience to produce quality products, ranging from electric underfloor systems to outdoor heating solutions.

Discover our solutions

Scan the QR code to visit the new DEVI website today!

# BIM



**THE NEW ERA OF DESIGN AND CONSTRUCTION**

**What is BIM:**

In recent years, Building Information Modeling (BIM) has revolutionized the construction industry.

In short, it is an extensive database that gathers detailed information throughout the entire lifecycle of a project - from the initial design phase, through construction, operation, and finally decommissioning.

**With BIM, you can:**

- Gain technical support
- Engineers can design, document, and construct buildings faster and more accurately than ever before.

Achieve more accurate cost and time estimates.

Easily share information.

Improve construction process efficiency.

Reduce the risk of errors and conflicts.

Considering all the benefits of BIM, the construction industry can create better buildings that are more efficient, sustainable, and cost-effective.

Shaping a sustainable future:

By leveraging the latest advancements in BIM technology, engineers can play a crucial role in building a safer and more sustainable future for everyone.



Explore BIM libraries!  
link to our website or QR code

# New Packaging

We are pleased to introduce the new, refreshed packaging for our DEVI cables and heating mats. The updated design will be rolled out during Q1 and Q2, depending on the product type.

This enhancement ensures our products not only deliver high performance, but also reflect the DEVI brand quality from the moment you see them on the shelf.





# ESG at Danfoss – Engineering a Better, More Sustainable Future

At Danfoss, sustainability is at the core of our purpose: to engineer solutions that increase productivity, reduce emissions, lower energy consumption, and enable electrification. As a family-owned company, we focus on creating long-term value for our customers, employees, and society by integrating environmental, social, and governance (ESG) principles into everything we do.

From an environmental perspective, Danfoss is committed to ambitious, science-based climate action. We have joined the Science Based Targets initiative (SBTi) and published a Climate Transition Plan that outlines our roadmap to achieve carbon-neutral operations by 2030 and a net-zero value chain by 2050. Through energy efficiency, energy reuse, and renewable energy sourcing, we are decarbonizing our own operations while helping customers reduce emissions across buildings, industry, food systems, and energy infrastructure.

Social responsibility is equally important. We prioritize safe working conditions, employee engagement, diversity, and collaboration with local communities. Our sustainability efforts are driven by people across the organization and supported by strong cross-functional cooperation. This approach helps us attract talent, foster innovation, and build resilient teams.

Strong governance underpins our ESG strategy. Sustainability is overseen by the Board of Directors and the Group Executive Team, supported by dedicated sustainability leadership and clear accountability structures. Transparency is a key focus, reflected in our sustainability reporting, Environmental Product Declarations (EPDs), and third-party validations. Our efforts have been recognized with EcoVadis Gold status, placing Danfoss among the top performers globally.

By combining deep application know-how, innovation, and responsible business practices, Danfoss turns sustainability ambitions into a competitive advantage—supporting our customers' decarbonization journeys while contributing to a more sustainable future.





# Follow our global channels



Make it easy,  
make it DEVI

## Danfoss A/S

DEVI • [devi.com](http://devi.com) • +45 7488 2222 • [EH@danfoss.com](mailto:EH@danfoss.com)

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