

# The original heating cable just got better

**DEVIflex™** Strong. Flexible. Reliable.

# From the pioneers of electric heating cables

## The latest innovation in cable design

We have been in electric heating cables for over 50 years. Our latest innovation, DEVIflex™ is the direct result of combining many years of experience with true innovation to create a new level of versatility, flexibility and reliability. This new cable is a worthy successor to the highly successful DTIP product it replaces.

### The solution you asked for

We have always placed professional installers at the center of our design and innovation process. We constantly talk to both DEVI and non-DEVI users, finding out as much as we can about how our products function in practice and what improvements you would like to see. DEVIflex™ is the result.



### DEVIflex™ indoor heating cable

<b>Output:</b>	10 W/m, 18 W/m
<b>Construction:</b>	Round, twin conductor with 1 cold lead
<b>Screen:</b>	100% coverage, aluminium foil with tinned copper drain wire
<b>Cold lead cable:</b>	2.3 m DTCL, 3x1.5 mm <sup>2</sup> or 3x2.5 mm <sup>2</sup> solid copper wires, yellow/green earthing conductor
<b>Outer sheath:</b>	PVC
<b>Applications:</b>	<ul style="list-style-type: none"><li>• New-build or renovation</li><li>• Concrete floors</li><li>• Pipe-tracing</li><li>• DEVIcell™ Dry system for wooden and laminate flooring</li><li>• Single use concrete hardening (special 30 W/m output version)</li></ul>

Designing DEViflex™



## Made for an easy life

We pride ourselves on developing simple, smart, super reliable solutions. In designing the new cable, our engineers focused on improving both ease of use and durability. As a result, DEViflex™ is even stronger, more flexible and more reliable than the established DTIP product it replaces.

To improve ease of installation, we have given both the cable and the cold lead of DEViflex™ a round profile to prevent curling and make it easier to bend. It also features fully screened twin conductor cables and an easy-strip, reinforced single-cable cold lead. DEViflex™ is cost-effective, versatile, easy to install, exceptionally durable and fully compliant with the IEC 60800:2009 product standard.

### Our design goals

- Greater strength
- Increased flexibility
- Superior reliability



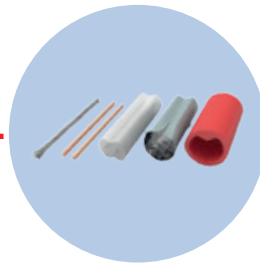
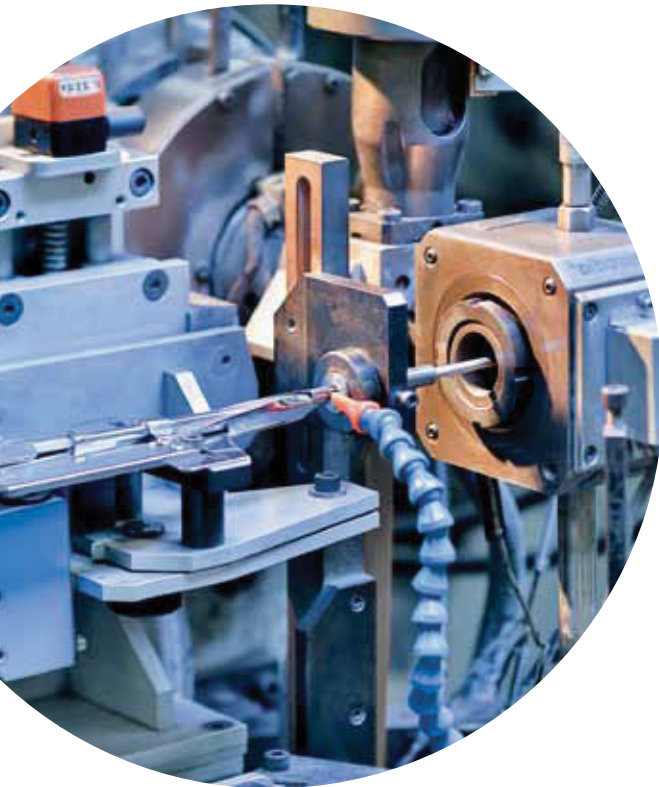
### 01. The heart of a great cable

The wires in DEViflex's twin conductor cable are individually specified to match the appropriate resistance values. The XLPE insulation material, which will give the cable its strength, is extruded around the two conductors at 190 °C.

### 02. Chilled to the core

The twin-conductor inner cable is cooled in a long bath. To give the XLPE insulation material the desired level of hardness, the cable passes through the bath multiple times.





#### Cable components

- Twin conductors
- XLPE insulation
- Drain wire
- 360° alu-screen
- PVC outer sheath

## Built tough to work hard

To further improve the cable's durability and ease of installation, we developed a new twin-conductor core with a single easy-strip cold lead made of solid wire. Both the cable and the cold lead have been given a round profile to improve ease of use.

DEViflex™ also features full 360° aluminum screening, a separate drain wire and XLPE insulation. The tough PVC sheath provides extra safety and reliability for years of trouble-free operation.

### 03. In the groove

The tinned copper drain wire is guided into the special groove in the XLPE of the inner cable. This is the key to giving DEViflex™ its incredible flexibility.



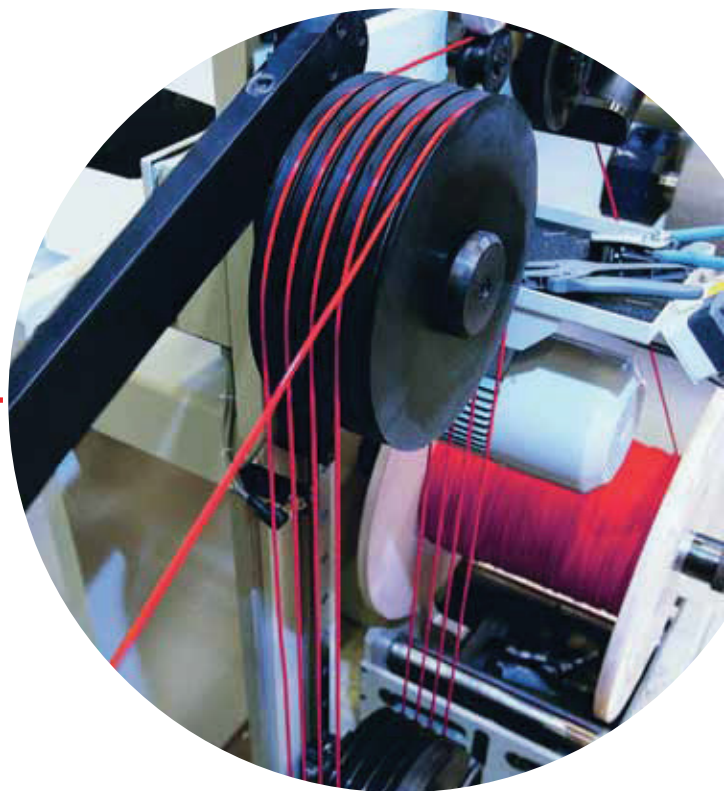
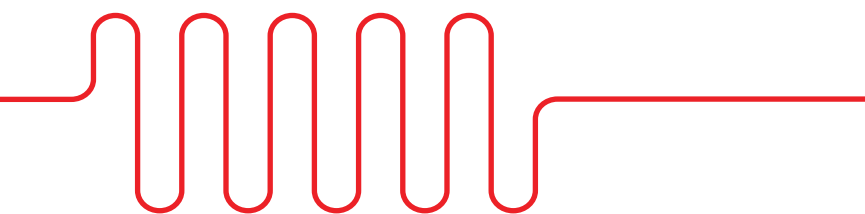
### 04. Securely protected

Once the drain wire is in place, an aluminum shield is wrapped around, fully screening the inner core and drain wire for maximum protection.

### 05. Speed wrapped

At an average speed of 100 meters per minute, the cable is coated in strong, flexible PVC.





## Easier installation and added flexibility

The key to the new cable's versatility and ease of installation is its round profile and flexible PVC sheath. DEViflex™ fits almost any application, from new builds to renovations and concrete floors to wood and laminate flooring, with or without using DEVicell™ insulation panels.

The cold lead is securely riveted before being encapsulated for added security. It is also clearly visible to remove the risk of accidentally placing heated cable in the wall pipe. DEViflex™ can be installed at temperatures as low as -5 °C, greatly extending the potential installation season, especially in countries with cold climates.

## 06. Quality tested

Every cable is subjected to rigorous testing. The multi-point test regime includes Ohmic resistance, high voltage (11,000V) and material inspections to ensure the flawless quality of every DEVI cable.

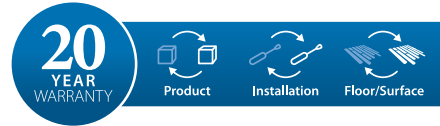


## 07. Perfect, or not at all

We use advanced computer processes to check for even the tiniest defect. If an error is detected, a label is attached to either side of the faulty cable section. Once the cable has left the machine, the faulty section is immediately identified and removed.



## Our quality, your peace of mind



We maintain total control over all aspects of the production process, from raw materials and components to final testing and packing. As a result, DEVIflex™ is so tough and robust that we have created an entirely new and unique warranty to go with it. DEVIwarranty™ not only covers cable replacement, but also the cost of installation and floor materials – for 20 years.

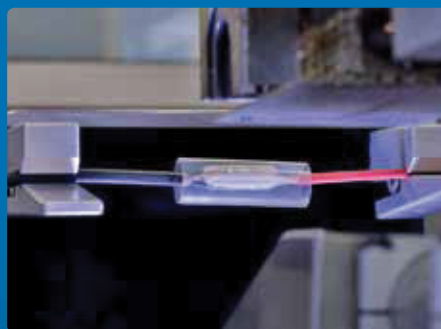
DEVIflex™ is proudly manufactured in our state-of-the-art factory in Grodzisk, Poland. Before being packed ready for dispatch, every cable is minutely inspected and tested. Testing includes Ohmic resistance, high voltage test and material inspections to ensure the flawless quality of every single DEVIflex™ cable.

**14**

The number of separate tests that each DEVIflex™ cable successfully passes before being approved for sale

### 08. Watertight design

The cold lead is attached to the heating cable using rivets and then initially sealed with a shrink tube to make sure it's watertight and robust. It has a smaller diameter and is also round, to enable easier installation without compromising quality. The connection is then explicitly checked using computer technology. Any failing assemblies are removed.



### 09. Quality you can see

The robust cold lead connection is shrinkcoated with tough flame-retardant polyolefin for maximum protection and durability. Its clear visibility makes it instantly recognizable and is crucial in ensuring that heated cable is not accidentally installed in the wall pipe.

**100,000 m**

of cable can pass through the  
DEVI factory in Grodzisk  
every day

## There for you when you need us

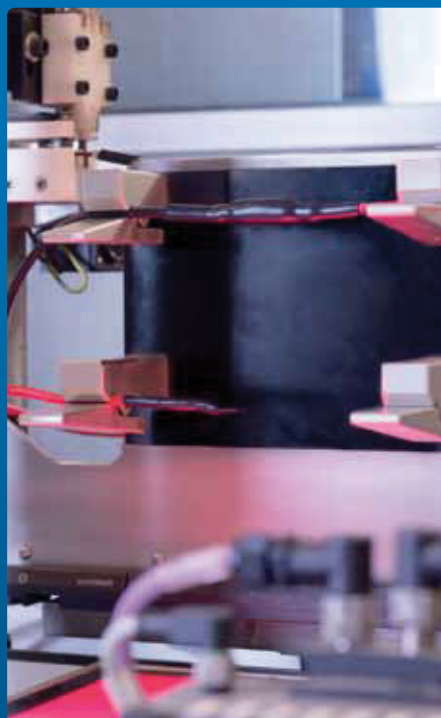
All DEVIflex™ cables can be dispatched anywhere in the world within 72 hours. In addition, DEVI is always on hand to help you with any technical queries.

Our global network of service centers and approved suppliers means that you are never far from expert support when you need it. If you ever experience a product failure, warranty claims involve nothing more than providing a proof of purchase and a correctly completed warranty certificate.



### 10. Final approval

The most modern camera and computer comparison techniques automatically compare the cold lead connection and end connection against their technical requirements. If the slightest variation is detected, the cable is taken out of the assembly line.



### 11. Signed, sealed, delivered

Once all tests have been completed and passed, the DEVIflex™ cables are ready for packing and shipping. Each box is clearly labeled with content and cable specifications and contains a multi-language manual. From DEVI's central storage facility in Vejle, Denmark, DEVIflex™ cables are dispatched to wholesalers, installers and partners worldwide.





# Ready for the future

Next-generation technology  
with legendary DEVI reliability



In 50 years of designing and manufacturing electric heating cables, this is the first DEVI product to be honored with the unique DEVIwarranty™. That says everything you need to know about the quality, reliability and durability of DEVIflex™. Not only ready for the future: it is actually guaranteed for the next 20 years.

To find out more about the new DEVIflex™ cable or any of our other electric heating products and solutions

Visit **devi.com**



## DEVIreg™ Touch - the perfect companion



For the ultimate in indoor comfort, energy efficiency and low heating costs, choose our DEVIreg™ Touch intelligent heating thermostat. This innovative controller is easy to set up and offers simple and intuitive remote troubleshooting.

## A partner you can rely on

DEVI was founded in Copenhagen, Denmark in 1942. In the early 1960s, we pioneered the development of the earliest heating cables and have been innovating new technologies and solutions ever since. Today, we are the only electric cable manufacturer to offer a no-quibble 20-year warranty on our DEVIflex™ electric heating cables.





Glow and Sunray specialise in heating and cooling solutions for new and existing buildings in residential, commercial and industrial environments.

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