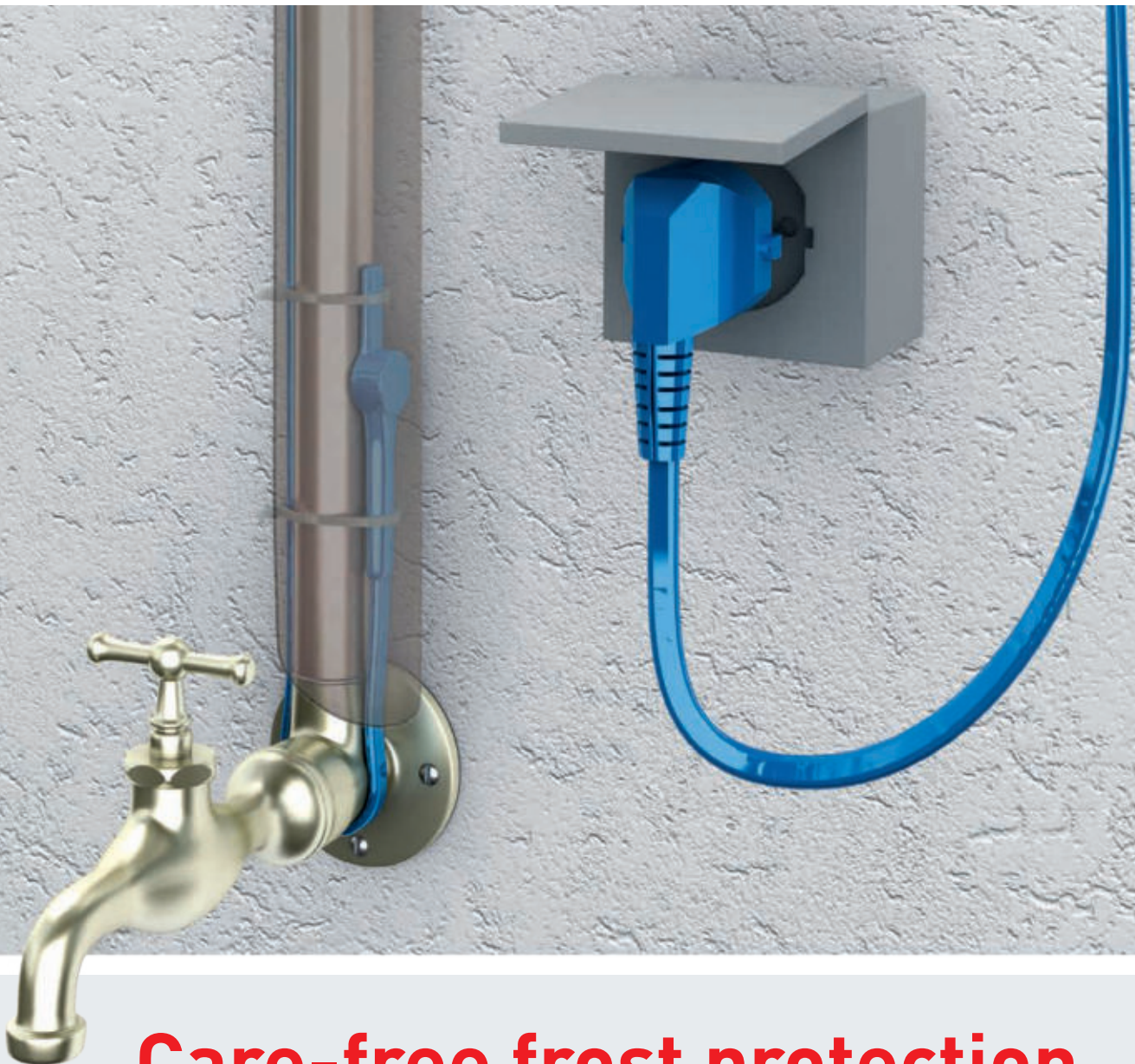


**HEM-SYSTEM®  
FROSTYCONTROL®**

Frost protection heating cable with thermostat

At + 5 °C ON  
At +15 °C OFF



**Care-free frost protection  
all year round**

# PIPE TRACE HEATING AS EFFECTIVE FROST PROTECTION IN THE HOME AND GARDEN

## Plug and Heat – reliably frost-safe

### Self-regulating and easy to install – frost damage is effectively prevented with pipe trace heating

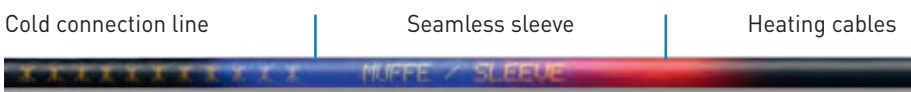
The HEM heating cabling is designed for heating metal or plastic water pipes which are in danger of frost damage up to  $-20\text{ }^{\circ}\text{C}$ . Through self-monitoring processes, it prevents an intolerable level of cooling, generally prevents frost damage and ensures a minimum temperature, for example for the drinking water supply of outdoor animals and in stables. Here, a thermostat monitors the place on the pipe with presumably the lowest temperature. When frost protection is activated, the heating cables are activated at  $+5\text{ }^{\circ}\text{C}$  and switched off when the temperature exceeds  $+15\text{ }^{\circ}\text{C}$ . The advantages: The electrical energy requirement is independently reduced to a necessary minimum.

### All in one: Easy and quick to install

The HEM-SYSTEM® heating cables are applied loosely with light bends, preferably along the underside of the pipe. In places with a higher energy requirement, such as valves, for example, loosely applied heating cable coils ensure the necessary energy supply.

The cable is attached using aluminium adhesive tape or loosely applied temperature-resistant plastic cable ties. Plastic pipes must be wrapped in aluminium foil beforehand.

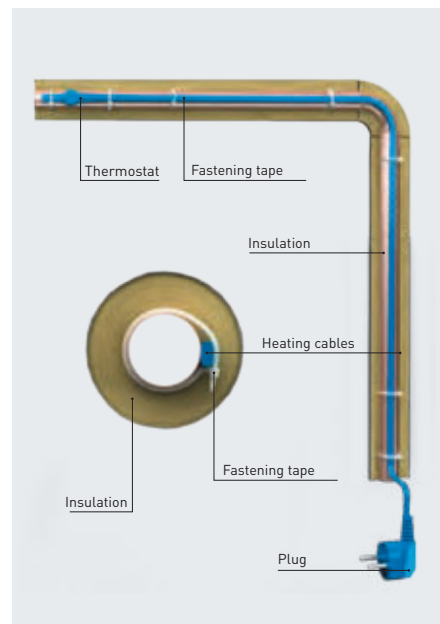
A standard heat insulation layer of at least 20 mm thickness does not just guarantee the function of the heating cables, but also significantly reduces the heat requirement. Now just plug in and be free of frost.



The seamless sleeve transition is absolutely watertight and distinguishes itself as advantageous for this application (moisture protection).

**Hemstedt**  
**HEM-SYSTEM®**  
sleeveless

- Direct from the manufacturer
- Factory-tested
- 100% water-tight
- Sleeveless
- Plug-and-play
- 100% electrical safety
- VDE approved
- With one-sided connection





# FS FROST PROTECTION PIPE TRACE HEATING FROSTYCONTROL®

With temperature control and shockproof plug

Self-regulating!

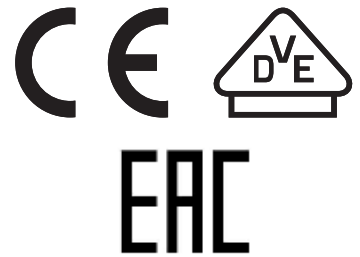
VDE tested!

Heating cable with a **one-sided cold connection cable**, shockproof plug and temperature control, +5 °C on/+15 °C off; 10 W/m HEM-SYSTEM® heating cables laid along water pipes prevent an intolerable cooling and also secure the drinking water supply for animals outdoors and in stables.

MADE IN GERMANY  
MADE BY HEMSTEDT

## Technical data

Nominal voltage	230 volt
Output	approx. 10 W/m
Cold connection	1 x 2.00 m
Minimum laying temperature	5 °C
Nominal temperature	65 °C
Temperature control 16 A	+5 °C ON/+15 °C OFF
Lowest bend radius	5 x Ad
Resistance tolerance	-5%/+10%
Approval (heating cable)	VDE
Cold/warm transition	seamless
External diameter	approx. 9.00 mm
Protection type	IPX7
Protection class	I



approx. 10 W/m 230 V

FS frost protection pipe trace heating, ready to connect

Heating output W	Element length m	Order no.
10	1.00	35602-01
20	2.00	35602-02
30	3.00	35602-03
40	4.00	35602-04
50	5.00	35602-05
60	6.00	35602-06
70	7.00	35602-07
80	8.00	35602-08
90	9.00	35602-09
100	10.00	35602-10
120	12.00	35602-12
140	14.00	35602-14
160	16.00	35602-16
180	18.00	35602-18
220	22.00	35602-22
240	24.00	35602-24

As a protective measure, we recommend residual-current-operated protective device (RCD < 30 mA).

Easy installation!

Energy-saving!

Plug & Play!

