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HEATING CABLE WITH THERMOSTAT INSTRUCTIONS



FROST PROTECTION

Effectively protects pipes and valves from freezing.



AUTOMATIC CONTROL

The thermostat switches on heating at low temperatures.



SAFE AND RELIABLE

High-quality materials and thoughtful design.



IP67
WATER
RESISTANT



EASY
INSTALLATION



THERMO
CONTROL



EFFECTIVE
HEATING W/m

 **NOTE:** Read the instructions before starting installation!

Installation Instructions

1 GENERAL INFORMATION

- The heating cable is designed solely to protect water pipes from freezing. Incorrect installation, operation, or maintenance may damage the system, cause electric shock, or fire.
- If you have any doubts after reading these instructions, contact us: office@ergowave.eu
- Cable installation must comply with applicable national and local regulations. Contact a local electrical inspector if necessary.
- Keep these instructions and pass them on to the owner of the installation or subsequent users.
- WARNING: the cable is intended solely to protect water pipes. Minimum pipe length: 2 m.

2 CHOOSING THE RIGHT CABLE LENGTH

- Route the cable along the lower part of horizontal pipes, and on the weather-exposed side of vertical pipes, including at valves.
- Do not use a cable longer than the pipe. It must not be shortened, cut, or twisted.
- The cable is designed for pipes up to 2 inches in diameter.
- Pipes 3/8-3/4 inch: the cable may be up to 0.6 m shorter.
- Pipes 1-1.5 inch: use two cables laid in parallel on opposite sides of the pipe, starting installation from both ends.
- Excess cable in the middle of the pipe must not exceed 1 m. Do not install the cable on pipes shorter than 2 m.

3 WARNINGS

- Do not connect the cable while it is coiled.
- Do not use the cable on pipes with a temperature above 65°C (e.g. steam pipes).
- The cable must not be cut, shortened, or repaired.
- The thermostat and cable must remain in direct contact with the pipe.
- Do not use metal clamps for fastening.
- One cable may be used on only one pipe.
- Do not allow the cable to touch or cross itself.
- Do not install the cable inside floors, walls, or ceilings.
- Keep flammable materials at a safe distance.

Installation and Use

4 INSTALLATION

- Install the cable on the water-supply side or on the lower surface of the pipe.
- Do not wrap the cable around the pipe — route it parallel to it.
- For longer sections, use two parallel cables installed on opposite sides.
- At valves and elbows, gently shape the cable, avoiding sharp bends.
- Secure the cable with aluminum or insulating tape every 30 cm.
- After installation, thermal insulation may be applied, e.g. 10-20 mm PE foam.
- Place the thermostat at the coldest point of the installation.
- Mark the entire installation with appropriate warning labels.

5 USE AND MAINTENANCE

- Before switching on, make sure the cable is not damaged.
- Check the cable's resistance with an ohmmeter and compare it with the table.
- Versions with a thermostat activate automatically at temperatures below 5°C.
- After the heating season, the cable can be disconnected if it has no automatic thermostat.
- Regularly inspect the cable and its warning labels.
- Do not use near flammable substances.

PACKAGE CONTENTS



Heating cable with thermostat

Power cord with plug

Installation instructions

Technical Data

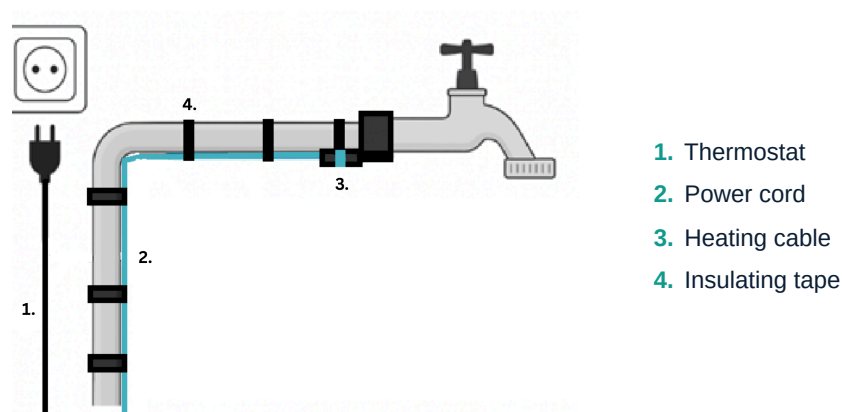
Rated voltage	230 V
Power-cord length (cold end)	2.5 m
Heating power	15 W/m
Minimum installation temperature	-10°C
Minimum bending radius	6 × cable diameter
Maximum operating temperature	65°C
Insulation material	XLPE (cross-linked polyethylene)
Outer sheath	PVC
Protection class	IP67

Heating Cable Resistance Table

Length (m)	Voltage (V)	Power (W/m)	Total power (W)	Current (A)	Resistance (Ω)
2	230	15	30	0.13	1763.33
4	230	15	60	0.26	881.67
6	230	15	90	0.39	587.70
8	230	15	120	0.52	440.83
10	230	15	150	0.65	352.67
12	230	15	180	0.78	293.89
14	230	15	210	0.91	251.90
15	230	15	225	0.99	235.13
20	230	15	300	1.30	176.33
25	230	15	375	1.63	141.10
30	230	15	450	1.96	117.60
40	230	15	600	2.61	88.20
50	230	15	750	3.26	70.50
60	230	15	900	3.91	58.80

Step-by-Step Installation Instructions

1	Uncoil the heating cable before connecting it.
2	Do not connect the coiled cable to the power supply.
3	If the cable has become stiff due to low temperature, uncoil it, then connect it to power for a few minutes so it warms up and regains its flexibility.
4	Ensure free access to the pipe.
5	The area where the cable is to be installed must be clean, accessible, and free of obstacles.
6	Install the thermostat.
7	Attach the thermostat's round black contact element to the coldest part of the pipe, securing it with insulating tape.
8	Install the heating cable.
9	Lay the cable along the pipe and fasten it with insulating or aluminum tape every 30 cm.
10	The cable should lie directly against the surface of the pipe.
11	Insulate the pipe and cable.
12	Wrap the pipe and cable in aluminum foil, then additionally insulate with mineral wool or foam.
13	Use materials with a thickness of under 2 inches.
14	Power connection.
15	Once installation is complete, connect the cable to the power supply.



Declaration and Warranty

Declaration issued by: ergowave sp. z o.o., ul. Malinowa 14H, 43-100 Tychy, Poland | Company reg. no.: 543175153 | Tax ID (NIP): 6463025040

Product: CTCABLE 15 W/m heating cable, PG-15, country of origin: China.

The product meets EU safety and technical-compliance requirements.

Directives: LVD 2014/35/EU; EMC 2014/30/EU

Standards: IEC 60800:2021; EN IEC 55014-1:2021; EN IEC 55014-2:2021; EN IEC 61000-3-2:2019+A1:2021+A2:2024; EN 61000-3-3:2013+A2:2021+AC:2022-01

Test reports: TLAH25031067803, TEAH25031067804 | Date and place: Tychy, 01.01.2026

Warranty Card

Warranty granted to: _____
Invoice / protocol no.: _____

Warranty terms

The product is covered by the manufacturer's warranty, ergowave sp. z o.o. Defects should be reported to the installer.

Warranty periods: 2 years for heating cables (with correct installation); 1 year for other system components (including the thermostat). The warranty on the installation is provided by the installer. The warranty is valid from the date of commissioning (installation protocol). Claims will be processed within 31 business days.

In the case of an unfounded claim, or products not originating from ergowave, costs are borne by the claimant. If a claim is accepted, the product will be repaired or replaced. The warranty does not cover additional costs.

The warranty becomes void in the event of: unauthorized interference, mechanical damage, improper power supply, damage caused by flooding, fire, lightning strike, or force majeure, and installation not carried out in accordance with regulations.

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