

SELF LIMITING HEATING CABLE

GELTRACE™

FROST PROTECTING TAPE IS A RELIABLE AND ECONOMICAL SOLUTION TO YOUR PROBLEMS OF FROST PROTECTION

Applications:

GELTRACE™ range is used for the frost protection of pipes. In the protigel™+ version, the thermostat automatically switches on the tape when the temperature falls under +5°C. It enables substantial energy savings and offers in complement the advantages and the safety of a self-regulating tape.

Avoids drainings and permanent use of hydraulic networks. Easy to implement. Available on stock.

Adjustable length according to the network size. Tape finished and controlled in the factory.

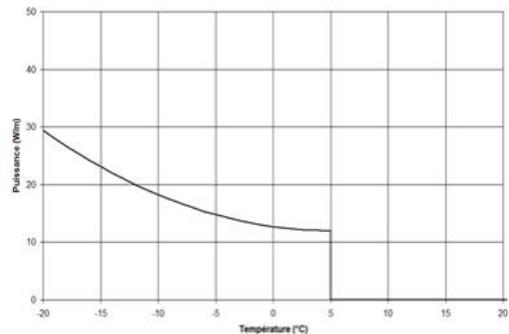
No overheating risk thanks to its self regulating system.

When it is cold, the polymer shrinks and facilitates the flow of current, thereby increasing the temperature of the cable. As it gets warmer, the polymer expands and prevents the current: the Self Regulating cable heats less than before.

Finally, a « parallel » technology allows the cable to be cut to desired length directly on the site. Exact fit the length of heating cable for your needs.

DESCRIPTION

1. Bus wire Cu nickel-plated (2×0.55mm²)
2. Self limiting heating element
3. Insulation
4. Tin-plated copper protective earth wires with Protective aluminium foil
5. Thermoplastique (TPE-O) outer jacket (Black)
6. Thermostat 5°C
7. Cold lead (1m 3x1.5mm²)



Reference	Designation	Power
GELTRACE-1	Self Limiting cable, 1m length, with 5°C thermostat and 1m cold lead	15 W at 10°C
GELTRACE-xx	Self Limiting cable, 1m to 35m length, with 5°C thermostat, 1m cold lead	15 W/m at 10°C
GELTRACE-35	Self Limiting cable, 35m length, with 5°C thermostat, 1m cold lead	450 W à 10°C

DATASHEET

Nominal Voltage: 230V
 Tolérances sur la puissance: -0/+5W
 Maximum exposure temperature (energised): 65°C
 Maximum exposure temperature (deenergised): 80°C
 Temperature Class: T6
 Minimum Bending Radius: 27 mm
 Minimum installation temperature: -35°C

Maximum length circuit:
 GELTRACE-35..... 35 m

Weight approx.: 66 kg/km

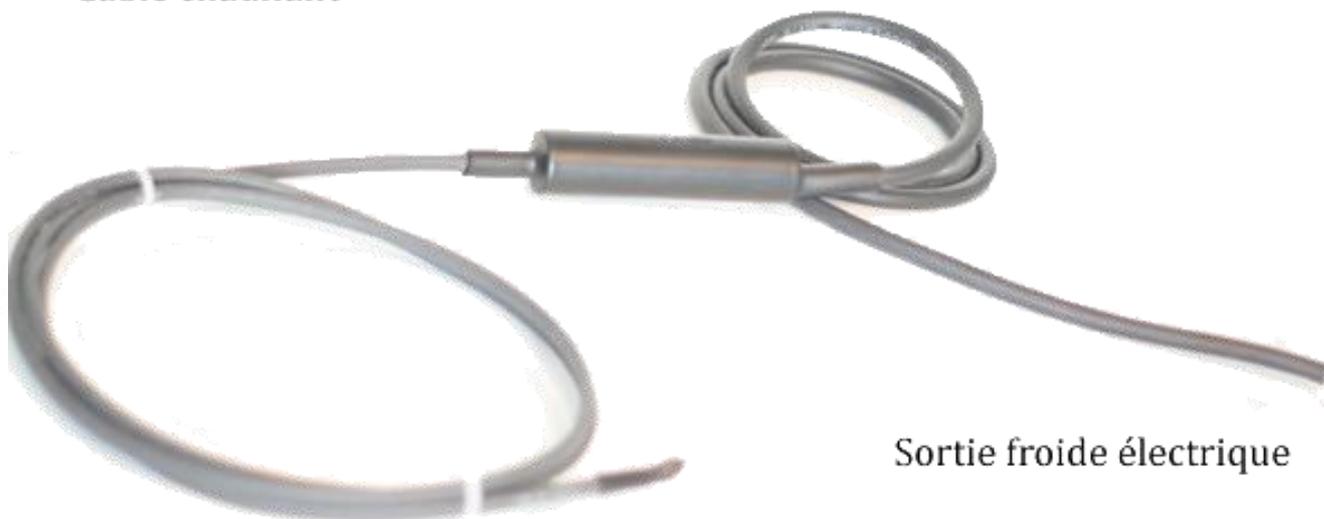
QUALIFICATION

CSTB, EAC, CE, IP67, RoHS, REACH, UV-Resistant



Câble chauffant

Thermostat 5°C



Sortie froide électrique

COMPOSITION

A Self Regulating Tape, An integrated thermostat limiting the temperature, a cable of connection two phases + ground.

ADVANTAGES

GELTRACE™ as a Self Regulating tape it can be superimposed without any risk of destruction. GELTRACE™ can be cut in order to be adapted to the pipe length. A termination kit including a heat-retractable cap is provided for this purpose. The lagging thickness of insulator (rockwool or synthetic insulator) can rank above 13 mm. The Self Regulating Tapes avoids every overheating risk. The combination of a thermostat and a self-regulation enables important energy savings in comparison with other tracing systems.

PRECAUTIONS

The Tapes must be used along the under generator of piping.
Do not install GELTRACE™ on pipes whose temperature can reach 65°C.

INSULATION

Measure the length of piping.
Choose the closest length of tape.
Thanks to the self-regulation system of GELTRACE™, it is possible to cut the cable to the desired length. You just have to fix the cap provided at the end of the cable

INSTALLATION

Pipe must be clean and dry.
Fix the GELTRACE™ cable on piping using a PVC or aluminium adhesive tape. We advise the use of the standard aluminium adhesive tape ELAA-50. It enables a better distribution of heat in plastic pipes.
Install the heat insulation. Thickness recommended is 13 mm of polyurethane foam.

CONNECTION

The connecting cable is composed of 3 wires (2 live wires + ground).
Check your installation is correctly grounded to ensure a maximum protection.

POSITION OF THE THERMOSTAT

The thermostat (black shrink sleeve marking ELTRACE) will be placed and fixed on by the provided collars. It will be covered with insulation in order to control the pipe temperature and to save the maximum energy. The thermostat will take care of the powering when the temperature of piping is lower than +5°C, and will cut off the supply if it goes over +9°C.

Product conforms to the Directive EMC 89/336/E6 EN 55014.93