

# Self-regulating heating cable

## CAECS

Technical sheet CAECS V1



CAECS medium-temperature self-regulating heating cables consist of a semiconductive plastic heating element capable of adjusting its heating output (W/m) at any point based on the local temperature.

This intrinsic characteristic of the heating system makes it possible, in certain cases, to dispense with a control system (self-regulation). They can be cut to length on site, making installation very simple. We do, however, recommend using a control system.

### Heating capacities

**14 W/m at 50° C**

**12 W/m at 55° C**

**10 W/m at 60° C**

## Applications

- > Temperature maintenance of domestic hot water piping systems between 45°C and 60°C
- > Other applications: contact us

## Benefits

- > Cutting to length and power adjustment based on contact temperature
- > Semiconductor element that is intrinsically self-regulating at every point

## CACS cable composition



Avenue du Général de Gaulle  
89130 TOUCY - FRANCE  
Tél : +33(0)3 86 44 06 06  
Email : [info@technitrace.fr](mailto:info@technitrace.fr)

**[www.technitrace.fr](http://www.technitrace.fr)**

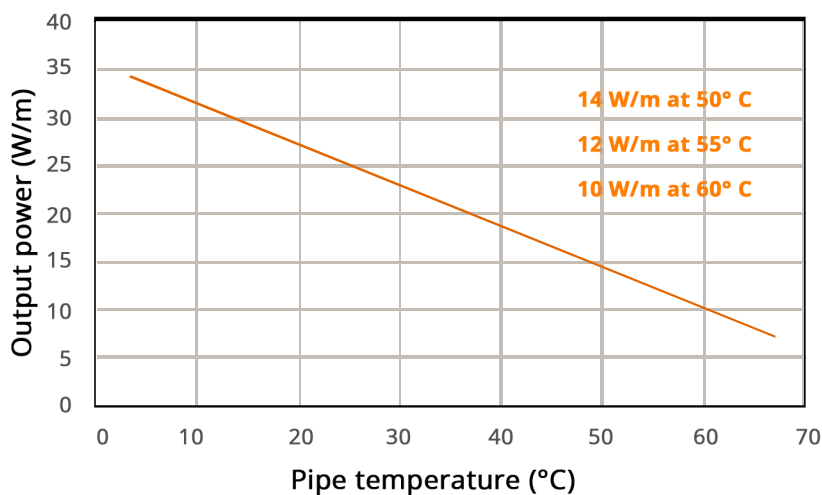
# Self-regulating heating cable

## CAECS

Technical sheet CAECS V1



### Nominal ratings based on piping temperature



CAECS .2 + RG

SBS Sheath  
Voltage 1=110V - 2=230V

### Spécifications techniques

Start-up current: max. 0.4 A at 15°C  
Residual current device (RCD): 30 mA required  
Max. length if controlled by a 16 A thermostat: 40 m  
Max. length if controlled via cabinet relay: 80 m  
Heating output: see table above  
Earthing: braid  
Max. dimensions: 6 mm ±0.5 mm / 12.2 mm ±0.5 mm  
Maximum maintain temperature: 60°C  
Warranty limits: 65°C max. under voltage  
80°C exposure off



Avenue du Général de Gaulle  
89130 TOUCY - FRANCE  
Tél : +33(0)3 86 44 06 06  
Email : info@technitrace.fr

[www.technitrace.fr](http://www.technitrace.fr)