

Low temperature self-regulating heating cable CABT







CABT low temperature self-regulating heating cables consist of a heating semiconductor plastic element which adapts its calorific power (W/m) on each point depending on the local temperature. This intrinsic feature of the semiconductor heating element allows in some cases to dispense of using a thermostatic controller (self-regulation).

They can be cut on the adjusted length directly on the job site.

For your heat tracing installations and especially on temperature maintenance of hot water systems, we strongly recommend the combination of our electronic THA / E controllers. The latter are equipped with a current absorber for start up of self-regulating heating cables. They are the guarantee of a rigorous and reliable electronics regulation (energy saving of + 50%).

Applications

- Freeze protection of water and domestic fuel oil pipes.
- Temperature maintenance until 25°C of thermal sensitive products when using control thermostats is difficult or not possible.
- Snow and icing protection.

 <p>Basic version</p> <p>CABT</p>	 <p>Tinned copper braid version</p> <p>CABT+C</p>
 <p>Braid + over jacket version</p> <p>CABT+CG</p>	 <p>Aluminium foil + ground wires + over jacket option</p> <p>CABT+RG</p>

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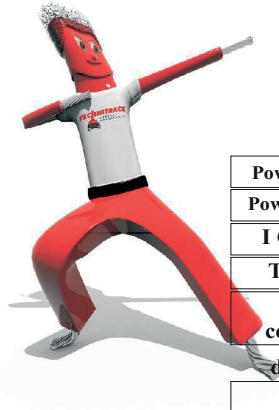
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Advantages

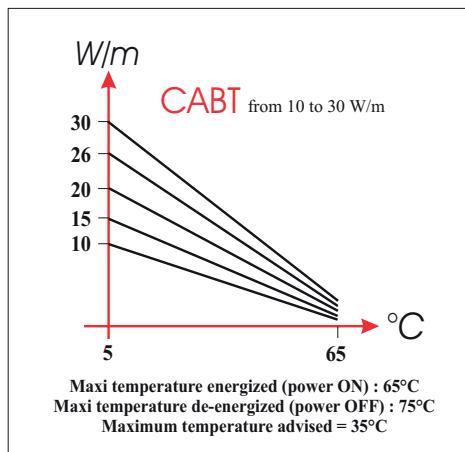
- can be cut directly on the adjusted length on the site.
- allow derivation from a unique and single feed point.
- semiconductor heating element adapts its power locally.
- good flexibility allowing the tracing of hydraulic organs (valves, pumps, ...)
- allow overlaps during implementation (self-regulating).
- maxi temp energized : 65 °C (power on)- maxi temp de-energized : 75°C.
- Technical CSTB approval, in accordance with the European standards in force.



	CABT 10	CABT 15	CABT 20	CABT 26	CABT 30
Power at 5°C	10 W/m	15 W/m	20 W/m	26 W/m	30 W/m
Power at 55°C	3 W/m	4 W/m	5 W/m	7 W/m	8 W/m
I Current	0.130 A/m	0.170 A/m	0.220 A/m	0.260 A/m	0.320 A/m
Tolérance	0 / +4 W/m	0 / +4 W/m	0 / +5 W/m	0 / +5 W/m	0 / +5 W/m
Supply conductors	Nickel copper 2*1.00 mm ²	Nickel copper 2*1.00 mm ²	Nickel copper 2*1.00 mm ²	Nickel copper 2*1.25 mm ²	Nickel copper 2*1.25 mm ²
dimensions	CABT	CABT+C	CABT+S	CABT+CG	CABT+RG
mini	3.6 * 9.8 mm	4.6 * 10.8 mm	4.6 * 10.8 mm	5.50 * 11.70 mm	5.50 * 11.70 mm
maxi	4.6 * 10.8 mm	5.6 * 11.8 mm	5.6 * 11.8 mm	6.50 * 12.70 mm	6.50 * 12.70 mm

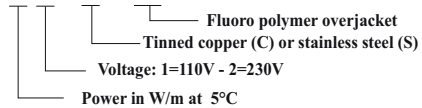
Basic version

Main features



- Polyolefin fire retardant sheath.
- Polyolefin fireproof overjacket (CG or RG version).
- FEP fluoropolymer overjacket (CGf version) for corrosive and chemically aggressive environments.
- voltage: 230 V / 240 V / 50 or 60 Hz (115 V optional).
- thermal calibration: Max. rated current * 2.
- use C or D curve circuit breakers.
- possibility of a maximum current spike of 3 * In / 300ms.
- necessary use differential circuit breaker: 30 mA.
- maximum length / power point = approximately 110 m.

CABT 26.2 + C + Gf



Thermal dissipation curves are theoretical and given for information purposes

Accessories

