

Self-regulating heating cable

CABT

Technical Sheet CABT V2



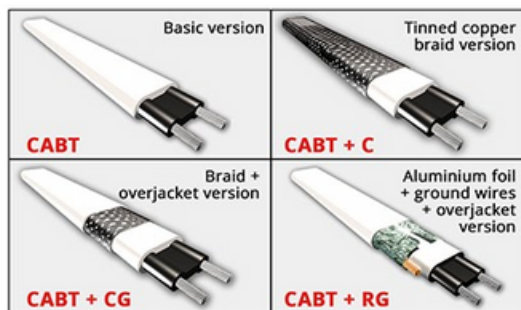
CABT low-temperature self-regulating heating cables consist of a semiconducting plastic heating element that adapts its heat output (W/m) at every point according to the local temperature. This intrinsic characteristic of the semiconducting heating element therefore allows, in some cases, for the elimination of a control system (self-regulation).

They can be cut to length on-site, making them very easy to install. For your electrical tracing installations, particularly on chilled water networks, we highly recommend using our THA/E electronic controllers.

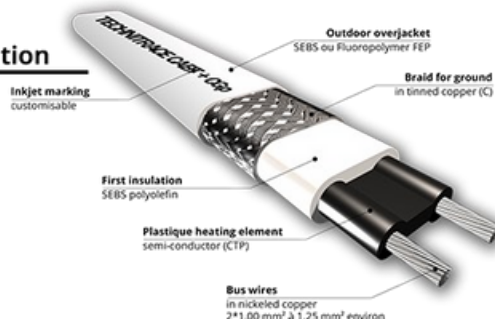
These devices, equipped with a current absorber at startup, guarantee rigorous and reliable electronic regulation (energy savings of over 50%).

Areas of application

- > Frost protection for cold water, chilled water, and grease-resistant water systems
- > Maintaining the temperature of pipes and tanks up to 65°C



CABT cable composition



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Main Benefits

- 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

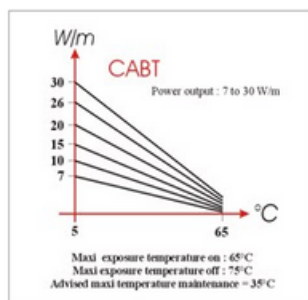


	CABT 10	CABT 15	CABT 20	CABT 26	CABT 30
Power at 5°C	10 W/m	15 W/m	20 W/m	26 W/m	30 W/m
Power at 55°C	3 W/m	4 W/m	5 W/m	7 W/m	8 W/m
I current	0,130 A/m	0,170 A/m	0,220 A/m	0,260 A/m	0,320 A/m
Tolerance	0 / +4 W/m	0 / +4 W/m	0 / +5 W/m	0 / +5 W/m	0 / +5 W/m
Supply voltage conductors	Cuivre Nickel 2*1,00 mm ²	Cuivre Nickel 2*1,00 mm ²	Cuivre Nickel 2*1,00 mm ²	Cuivre Nickel 2*1,25 mm ²	Cuivre Nickel 2*1,25 mm ²
dimensions	CABT	CABT+C	CABT+S	CABT+CG	CABT+RG
Thickness	4,1 mm ±0,5	5,1 mm ±0,5	5,1 mm ±0,5	6,0 mm ±0,5	6,0 mm ±0,5
Width	10,3 mm ±0,5	10,3 mm ±0,5	10,3 mm ±0,5	12,2 mm ±0,5	12,2 mm ±0,5
Basic version					

> 40 W/m on request

> Other voltages
(12, 24, 48, 110, 400 V)
Contact us

General characteristics



- 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

Accessories



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