Self-regulating heating cable
CABT 24/48V

Technical Sheet CABT 24/48V V2

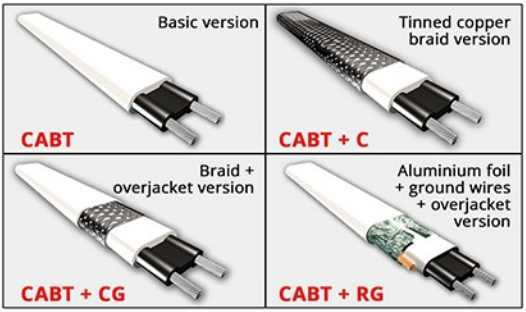
The CABT/24V and CABT/48V low voltage and low temperature self-regulating heating cables consist of a heating core made of semiconducting plastic which adjusts its heat output (W/m) according to the local temperature.

This intrinsic characteristic of the semiconductor heating element makes it possible, in some cases, to avoid the need for a regulation system (self-regulation).

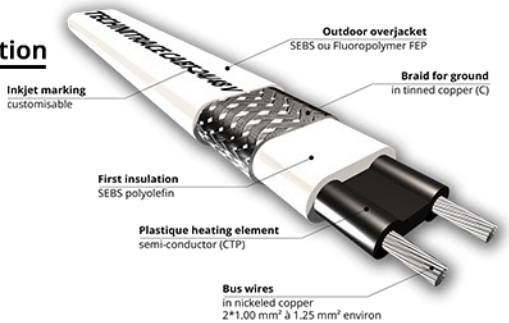
They can be cut to the desired length on site and are therefore very easy to install.

Areas of application

> Freeze protection or low temperature maintenance of pipes, tanks, valves for your camper van, mobile home
> Frost protection of video cameras, cabinets and boxes, antennas, solar panels, etc.
> Frost protection of retractable parking bollards
> Use directly on battery or solar panel regulator



CABT 24/48 V cable composition



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Main Benefits

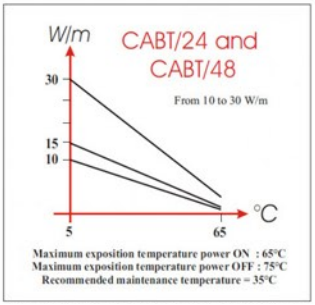
- can be cut to the desired length on site
- direct power supply at 24 or 48 V (depending on version) without transformer
- allow connecting branches with power from a single point
- semi-conductive heating element that adjusts locally its heating power
- good flexibility allowing the tracing of hydraulic components (valves, pumps, etc.)
- allow overlaps during implementation (self-regulating feature)
- CABT heating cables support 65°C power on / 75°C power off (de-energized)

	CABT 10	CABT 15	CABT 30	CABT 10	CABT 15	CABT 30
Power at 5°C	10 W/m	15 W/m	30 W/m	10 W/m	15 W/m	30 W/m
Power at 55°C	3 W/m	4 W/m	8 W/m	3 W/m	4 W/m	8 W/m
I current	0.85 A/m	1.25 A/m	2.50 A/m	0.42A/m	0.65 A/m	1.25 A/m
Tolerance	0 / +4 W/m	0 / +4 W/m	0 / +5 W/m	0 / +4 W/m	0 / +4 W/m	0 / +5 W/m
Supply voltage conductors	Cuivre Nickel 2*1.00 mm²	Cuivre Nickel 2*1.00 mm²	Cuivre Nickel 2*1.25 mm²	Cuivre Nickel 2*1.00 mm²	Cuivre Nickel 2*1.00 mm²	Cuivre Nickel 2*1.25 mm²
	24 V AC/DC *Longueur maxi = 10 m*			48 V AC/DC *Longueur maxi = 20 m*		

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				

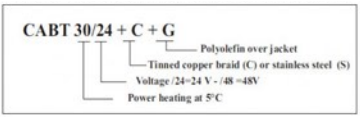
For other voltages (12, 24, 48, 110, 230, 400 V), please contact us.

General characteristics



The dissipation curves are theoretical and provided for illustrative purposes only.
If using a THA/C or THS thermostat, ensure that the current is limited to 16 A/max.

- Polyolefin fireproof sheath
- Polyolefin fireproof over jacket (CG or RG version)
- FEP fluoropolymer over jacket (CGf version)
- For corrosive and chemically aggressive environments
- voltage: 24 or 48 V Direct Current
- Calibration: Maximum nominal intensity * 2
- Use curve C or D circuit breakers
- Possible current peak of 3 * In / 300ms
- Maximum length / power point = 10 or 20 m
- If using THA/C or THS: limit the intensity to 16 A



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