Self-regulating heating cable
CABT/FLEX

Technical Sheet CABT FLEX V2

CABT low temperature self-regulating heating cable 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 controler (self-regulation).

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

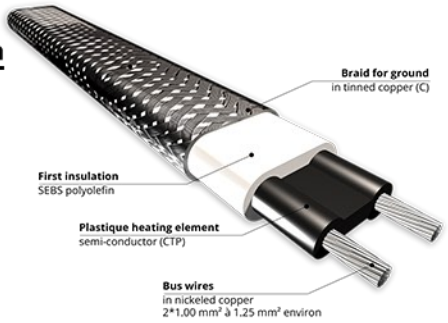
For your heat tracing installations of cold water, we strongly recommend the combination of our electronic THA / E controllers. The latter are equipped with a current absorber for start up of self regulating heating cables. They are the guarantee of a rigorous and reliable electronics regulation at 5°C energy saving of + 50%.

The polyurethane insulating sheath offers unrivaled flexibility of implementation in small world of self-regulating heating cables.

Areas of application

> Freeze protection of water and domestic fuel oil pipes
> Temperature maintenance until 35°C of pipes, tanks, balloons, ...

CABT/FLEX cable composition



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

www.technitrace.fr

Self-regulating heating cable
CABT/FLEX

Technical Sheet CABT FLEX V2

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
- VERY HIGH 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/FLEX

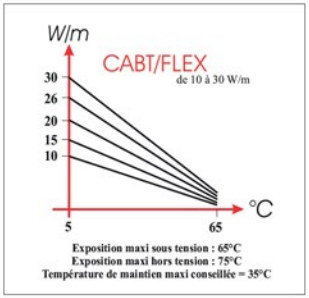
	10 W/m	15 W/m	20 W/m	26 W/m	30 W/m
Power at 5°C	10 W/m	15 W/m	20 W/m	26 W/m	30 W/m
Power at 55°C	3 W/m	4 W/m	5 W/m	7 W/m	8 W/m
I current	0.130 A/m	0.170 A/m	0.220 A/m	0.260 A/m	0.320 A/m
Tolerance	0 / +4 W/m	0 / +4 W/m	0 / +5 W/m	0 / +5 W/m	0 / +5 W/m
Supply voltage conductors	Nickel Copper 2*1.00 mm²	Nickel Copper 2*1.00 mm²	Nickel Copper 2*1.00 mm²	Nickel Copper 2*1.25 mm²	Nickel Copper 2*1.25 mm²

dimensions	CABT/FLEX	+C	+S
Thickness	4,1 mm ±0,5	5,1 mm ±0,5	5,1 mm ±0,5
Width	10,3 mm ±0,5	10,3 mm ±0,5	10,3 mm ±0,5

Basic version

Minimum order 600 m

General characteristics



- Very flexible Polyurethan jacket
- Tinned copper braid (option)
- Thermal calibration: Max. rated current * 2
- Use C or D curve circuit breakers
- Mini order 600m: 12, 24, 48, 115, 230, 400 V
- 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

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

www.technitrace.fr