

# High temperature self regulating heating cable **CAHT/Ex**



FIQ 218



CAHT/Ex high 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 controller (self-regulation).

They are reserved for temperature maintenance applications for pipes, tanks and other hydraulic systems located in hazardous area (ATEX - Group II2 GD).

Marking: CAHT / Ex - Ex IIC T3 Gb - Ex tb IIIC T200°C Db - IP 66/67

Operating range:  $-50^{\circ}\text{C} < T_{\text{ambient}} < +120^{\circ}\text{C}$ .

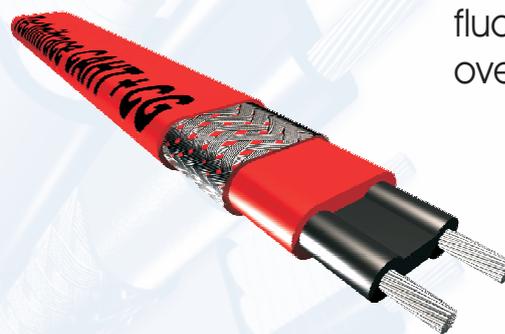
French manufacturing in accordance with the requirements of the European directive 2014/34 / EU and standards EN 60079-0, EN 60079-7, EN 60079-31, EN 60079-30.1.

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

## Applications

Freeze protection of pipes in hazardous area (ATEX).

Temperature maintenance until  $85^{\circ}\text{C}$  of thermal sensitive products when using control thermostats is difficult or not possible.



Braid +  
fluoropolymer  
overjacket

**CAHT/EX+CGf**

Available powers  
10 to 30 W/m at  $5^{\circ}\text{C}$

*Maximum temperature exposure (power ON - energized):  $120^{\circ}\text{C}$*

*Maximum temperature exposure (power OFF - de-energized) :  $200^{\circ}\text{C}$*

*Maximum advised maintenance temperature :  $85^{\circ}\text{C}$*

[www.heating-cables.com](http://www.heating-cables.com)

[info@technitrace.fr](mailto:info@technitrace.fr)



[www.novatrace.com](http://www.novatrace.com)

[www.heating-cables-technitrace.com](http://www.heating-cables-technitrace.com)

## Advantages



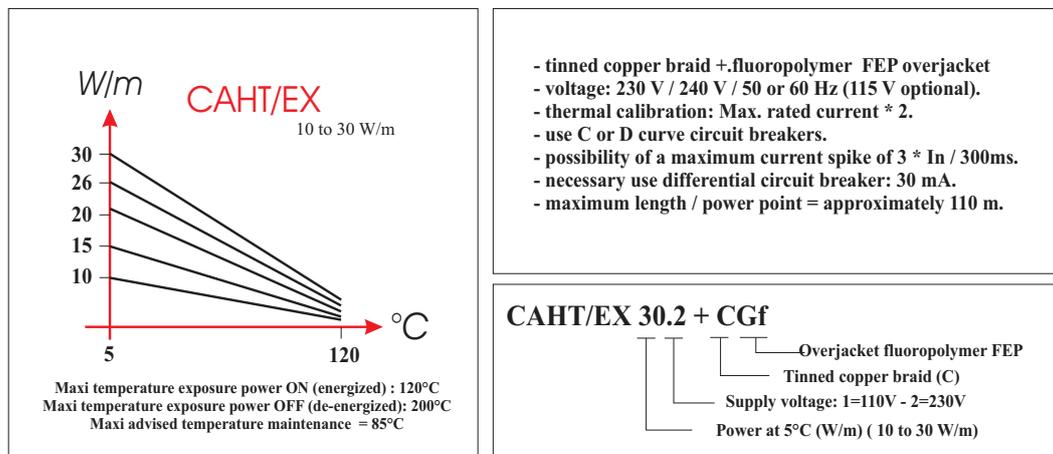
- can be cut directly on the adjusted length on the site.
- allow derivation from a unique and single feed point.
- semiconductor heating element adapts its power locally.
- good flexibility allowing the tracing of hydraulic organs (valves, pumps, ...)
- allow overlaps during implementation (self-regulating).
- maxi temp energized : 120 °C (power ON)- maxi temp de-energized (power OFF) : 200°C.
- ATEX notification : TECHNITRACE : LCIE 18ATEXQ4004
- ATEX type : LCIE 13ATEX3091X

	CAHT/EX 10	CAHT/EX 15	CAHT/EX 20	CAHT/EX 26	CAHT/EX 30
Power at 5°C	10 W/m	15 W/m	20 W/m	26 W/m	30 W/m
Power at 85°C	6 W/m	9 W/m	12 W/m	16 W/m	18 W/m
I current	0.100 A/m	0.160 A/m	0.200 A/m	0.260 A/m	0.300 A/m
Tolerance	0 / +4 W/m	0 / +5 W/m	0 / +6 W/m	0 / +4 W/m	0 / +5 W/m
Supply voltage conductors	Nickeled copper 2*1.00 mm <sup>2</sup>	Nickeled copper 2*1.00 mm <sup>2</sup>	Nickeled copper 2*1.00 mm <sup>2</sup>	Nickeled copper 2*1.25 mm <sup>2</sup>	Nickeled copper 2*1.25 mm <sup>2</sup>

dimensions	CAHT/EX+CGf
mini	5.80 * 10.80 mm
maxi	6.20 * 11.80 mm

Printing : CAHT/Ex - Ex e IIC T3 Gb - Ex tb IIIC T200°C Db - IP 66/67  
 Temperature range : -50°C < Ambient Temp < +120°C.

## Main features



*Thermal dissipation curves are theoretical and given for information purposes*

## Accessories

