Technitrace range of Self

Maxi exposure temperature cable OFF

Maxi exposure temperature cable ON

Maintenance temperature advised

Horticole/Vignes

65°C

35°C

CABT VIGNE

Toitures / Gouttières

65°C

35°C

CABT DENEIGEMENT

75°C

65°C

CABT FLEX

75°C

75°C

CABT
Regulaing Heating Cables

Freeze protection exclusively

CABT

CAMT

CAHT

CABT/Ex

CAHT/Ex

85°C

65°C

120°C

200°C
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 thermical sensitive products when using control thermostats is difficult or not possible.

Snow and icing protection.

<table>
<thead>
<tr>
<th>CABT</th>
<th>Basic version</th>
<th>Tinned copper braid version</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CABT</strong></td>
<td></td>
<td><strong>CABT+C</strong></td>
</tr>
<tr>
<td>CABT+CG</td>
<td>Braid + over jacket version</td>
<td>Aluminium foil + ground wires + over jacket option</td>
</tr>
<tr>
<td>CABT+RG</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[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.
- 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.

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*I_n/ 300ms.
- necessary use differential circuit breaker: 30 mA.
- maximum length / power point = approximately 110 m.

Technical CSTB approval, in accordance with the European standards in force.

Thermal dissipation curves are theoretical and given for information purposes.

Accessories
Self regulating heating cable
CABT/De-Icing

The self regulating heating cable CABT/De-Icing is specially designed to prevent against the accumulation of snow or ice on roofs and gutters.

The innovative technology of the Technitrace self-regulating heating adpts its calorific output (W/m) at each point. In presence of snow or ice, its calorific output will increase locally to melt the snow or the ice. When the heating cable will be in a dry atmosphere it will reduce its calorific output saving energy.

Applications
- snow removal of roofs and particularly at low slopes,
- snow removal of gutters, connecting gutters between roofs,
- snow removal of gutter runs and heaving pipes,
- de-icing of the evacuation gutter, ...

Applications
- snow removal of roofs and particularly at low slopes,
- snow removal of gutters, connecting gutters between roofs,
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Applications
- snow removal of roofs and particularly at low slopes,
- snow removal of gutters, connecting gutters between roofs,
- snow removal of gutter runs and heaving pipes,
**Precations for use and special features**

- Maximum length circuit: 110 m
- Breaker thermal protection: 0.30 A/m
- Maximum exposure power on: 65°C
- Breaker sensibility: 30 mA advised
- Maximum exposure power off: 85°C
- Supply voltage: 230 V / 50 Hz
- Output calorific power: following the thermal transfer: 40 to 20 W/m

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**On the roof:** fixation approximately every 0.50m with stainless steel hooks

**In the gutter mount:** under a continuous aluminium tape after having cleaned and dried the surface.

**Connexion box equipped with a ambient thermostat insuring the automatic start up during the frosty period**

**Down the drain pipe:** a cable loop is created to prevent clogging and installed thanks to a weighed hook.

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**EU**

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Your distributor or contact
Low temperature self-regulating heating cable **CABT++**

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 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 hot water pipes at 65°C or 85°C.

<table>
<thead>
<tr>
<th>Basic version</th>
<th>Braid version</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABT++</td>
<td>CABT++/ C</td>
</tr>
<tr>
<td>Braid + overjacket Version</td>
<td>Aluminium foil + ground wires + overjacket version</td>
</tr>
<tr>
<td>CABT++/ CG</td>
<td>CABT++/ RG</td>
</tr>
</tbody>
</table>
**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 : 85°C (power on) - maxi temp de-energized : 125°C.
- Technical CSTB approval, in accordance with the European standards in force.

<table>
<thead>
<tr>
<th>Power at 5°C</th>
<th>CABLE ++ 10</th>
<th>CABLE ++ 15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current</td>
<td>0.130 A/m</td>
<td>0.170 A/m</td>
</tr>
<tr>
<td>Tolerance</td>
<td>0 / +4 W/m</td>
<td>0 / +4 W/m</td>
</tr>
<tr>
<td>Supply</td>
<td>Copper Nickel</td>
<td>Copper Nickel</td>
</tr>
<tr>
<td>Conductors</td>
<td>2*1.00 mm²</td>
<td>2*1.00 mm²</td>
</tr>
<tr>
<td>dimensions</td>
<td>CABT++</td>
<td>CABT++/C</td>
</tr>
<tr>
<td>mini</td>
<td>4.0 * 9.0 mm</td>
<td>4.4 * 9.0 mm</td>
</tr>
<tr>
<td>maxi</td>
<td>4.4 * 10.0 mm</td>
<td>4.6 * 9.6 mm</td>
</tr>
<tr>
<td>maxi</td>
<td>5.0 * 10.6 mm</td>
<td>5.8 * 10.8 mm</td>
</tr>
</tbody>
</table>

**Main features**

- Exclusively used for freeze protection of pipes
- do not use for maintenance temperature !
- Polyolefin fire retardant sheath.
- Tinned copper braid or stainless steel braid in option
- Polyolefin fireproof overjacket (CG or RG version).
- 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.

**Other powers on request**

<table>
<thead>
<tr>
<th>CABT++/S</th>
<th>CABT++/CG</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 W/m</td>
<td>15 W/m</td>
</tr>
<tr>
<td>0.130 A/m</td>
<td>0.170 A/m</td>
</tr>
<tr>
<td>Copper Nickel</td>
<td>Copper Nickel</td>
</tr>
<tr>
<td>2*1.00 mm²</td>
<td>2*1.00 mm²</td>
</tr>
<tr>
<td>4.4 * 10.0 mm</td>
<td>4.6 * 9.6 mm</td>
</tr>
<tr>
<td>5.0 * 10.6 mm</td>
<td>5.8 * 10.8 mm</td>
</tr>
</tbody>
</table>

**Approximatives dimensions**

- Maxi exposure temp energized (power ON) : 85°C
- Exclusively used for freeze protection do not use for maintenance temperature !

**Accessories**

**Thermal dissipation curves are theoretical and given for information purposes**
CAMT medium 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 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 THS / E controllers with a Pt1000 sensor to apply directly on the pipe. 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%).

The fluoropolymer insulation is the guarantee of a perfect thermal and chemical resistance.

Applications
Temperature maintenance of hot water pipes at 45/50/55°C.
Temperature maintenance of hot water pipes at 60/65°C.
Temperature maintenance of pipes, vessels, baloons until 65°C.

Do not use the CAMT heating cable on plastic pipe.
It is imperative to comply with FIQ93 operating instructions.
Warranty maxi exposure temperature : power ON = 85°C / power OFF 125°C.
Maximum maintenance advised temperature : 65°C.
Beyond these exposure temperatures use control thermostat.
**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 : 85 °C (power on)- maxitemp de-energized : 125°C.
- Technical CSTB approval, in accordance with the European standards in force.

<table>
<thead>
<tr>
<th>Supply conductors</th>
<th>Power at 5°C</th>
<th>Power at 55°C</th>
<th>1 Current</th>
<th>Tolerance</th>
<th>Maxi</th>
<th>mini</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel copper</td>
<td>2 * 1.00 mm²</td>
<td>0.130 A/m</td>
<td>0 / +4 W/m</td>
<td>Nickel copper 2 * 1.00 mm²</td>
<td>15 W/m</td>
<td>4.0 * 9.0 mm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.170 A/m</td>
<td></td>
<td>Nickel copper 2 * 1.00 mm²</td>
<td>10 W/m</td>
<td>4.4 * 10.0 mm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 / +4 W/m</td>
<td></td>
<td>Nickel copper 2 * 1.25 mm²</td>
<td>6 W/m</td>
<td>5.0 * 10.6 mm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 / +5 W/m</td>
<td></td>
<td>Nickel copper 2 * 1.25 mm²</td>
<td>10 W/m</td>
<td>5.8 * 10.8 mm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 / +5 W/m</td>
<td></td>
<td>Nickel copper 2 * 1.25 mm²</td>
<td>20 W/m</td>
<td>6.2 * 11.8 mm</td>
</tr>
</tbody>
</table>

**Main features**

- FEP fluoropolymer jacket.
- 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.
- maxi temperature exposure : power ON = 85°C
- maxi temperature exposure : power OFF = 125°C

**Accessories**

- CAMT 30.2 + C + Gf
  Fluoropolymer overjacket
  Tinned copper braid (C) or stainless steel (S)
  Voltage: 1=110V - 2=230V
  Power in W/m at 5°C

*Thermal dissipation curves are theoretical and given for information purposes*
CAHT 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 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 THS / E controllers with a Pt1000 sensor to apply directly on the pipe. 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%). The fluoropolymer insulation is the guarantee of a perfect thermal and chemical resistance.

Applications

*Temperature maintenance of baloons, tanks, vessels and pipes systems until 85°C.*

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**Basic version**

**CAHT**

**Tinned copper braid version**

**CAHT+C**

**Braid + overjacket version**

**CAHT+CGf**

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*Do not use the CAHT heating cable on plastic pipe. It is imperative to comply with FIQ93 operating instructions.*

Warranty maxi exposure temperature : power ON = 120°C / power OFF 200°C. Beyond these exposure temperatures use control thermostat.
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 exposure temp energized : 120°C (power ON) / de-energized (power OFF) : 200°C.
- construction in accordance with the European standards in force.

<table>
<thead>
<tr>
<th>Power at 5°C</th>
<th>Power at 85°C</th>
<th>Tolerances</th>
<th>Supply Conductors</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAHT 15</td>
<td>15 W/m</td>
<td>0.130 A/m</td>
<td>Nickel copper 2*1.00 mm²</td>
</tr>
<tr>
<td>CAHT 20</td>
<td>20 W/m</td>
<td>0.173 A/m</td>
<td>Nickel copper 2*1.00 mm²</td>
</tr>
<tr>
<td>CAHT 30</td>
<td>30 W/m</td>
<td>0.260 A/m</td>
<td>Nickel copper 2*1.25mm²</td>
</tr>
<tr>
<td>CAHT 40</td>
<td>40 W/m</td>
<td>0.350 A/m</td>
<td>Nickel copper 2*1.25mm²</td>
</tr>
<tr>
<td>CAHT 50</td>
<td>50 W/m</td>
<td>0.430 A/m</td>
<td>Nickel copper 2*1.25mm²</td>
</tr>
</tbody>
</table>

Maxi exposure temperature energized (power ON) : 120°C
Maxi exposure temperature de-energized (power OFF) : 200°C
Maximum maintenance temperature advised : 85°C

Main features.
- FEP fluoropolymer jacket
- 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.
- maxi temperature exposure : power ON = 120°C
- maxi temperature exposure : power OFF = 200°C
- maxi temperature maintenance advised : 85°C

Thermal dissipation curves are theoretical and given for information purposes.

Accessories
- FEP fluoropolymer jacket
- FEP fluoropolymer overjacket (Cgf version)
- Tinned copper braid (C) or stainless steel (S)
- Voltage: 1=110V - 2=230V
- Power in W/m at 5°C

Approximative dimensions.

CAHT 15
- mini: 4.0 * 9.0 mm
- maxi: 4.4 * 10.0 mm

CAHT 20
- mini: 4.6 * 9.6 mm
- maxi: 5.0 * 10.6 mm

CAHT 30
- mini: 4.6 * 9.6 mm
- maxi: 5.0 * 10.6 mm

CAHT 40
- mini: 5.0 * 10.6 mm
- maxi: 6.2 * 11.8 mm

CAHT 50
- mini: 5.8 * 10.8 mm
- maxi: 6.2 * 11.8 mm

Accessories
- Nickel copper 2*1.00 mm²
- Nickel copper 2*1.25mm²
- Nickel copper 2*1.25mm²

From 15 to 50 W/m

Maxi exposure temperature energized (power ON) : 120°C
Maxi exposure temperature de-energized (power OFF) : 200°C
Maximum maintenance temperature advised : 85°C

Voltage: 1=110V - 2=230V
Power in W/m at 5°C
Low temperature self-regulating heating cable  **CABT/Ex**

CABT/Ex 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 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: CABT / Ex - Ex IIC T6 Gb - Ex tb IIIC T85 °C Db - IP 66/67

Operating range: -50 °C < Tambient < +65 °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 35°C of thermal sensitive products when using control thermostats is difficult or not possible.

<table>
<thead>
<tr>
<th>Braid + polyolefin overjacket</th>
<th>Braid + fluoropolymer overjacket</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABT/EX+CGp</td>
<td>CABT/EX+CGf</td>
</tr>
</tbody>
</table>

Maximum temperature exposure (power ON - energized): 65°C

Maximum temperature exposure (power OFF - de-energized): 75°C

Maximum advised maintenance temperature: 35°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 : 65 ° C (power ON)- maxi temp de-energized (power OFF) : 75°C.
- ATEX notification : TECHNITRACE : LCIE 18ATEXQ4004
- ATEX type : LCIE 13ATEX3091X

Thermal dissipation curves are theoretical and given for information purposes

Main features
- tinned copper braid.
- fire retardant polyolefin overjacket (CABT/EX + CGp).
- fluoropolymer FEP overjacket (CABT/EX + CGf).
- 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.

Printing : CABT/Ex - Ex e IIC T6 Gb - Ex tb IIIC T85°C Db - IP 66/67
Temperature range : -50°C < Ambient Temp <+65°C.

Accessories
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° C < T ambient <+ 120 °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°C of thermical 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°C

Maximum temperature exposure (power ON - energized): 120°C
Maximum temperature exposure (power OFF - de-energized) : 200°C
Maximum advised maintenance temperature : 85°C
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 (power OFF) : 75°C.
- ATEX notification : TECHNITRACE : LCIE 18ATEXQ4004
- ATEX type : LCIE 13ATEX3091X

<table>
<thead>
<tr>
<th>Power at 5°C</th>
<th>CABT/EX 10</th>
<th>CABT/EX 15</th>
<th>CABT/EX 20</th>
<th>CABT/EX 26</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power at 55°C</td>
<td>10 W/m</td>
<td>15 W/m</td>
<td>20 W/m</td>
<td>26 W/m</td>
</tr>
<tr>
<td>I current</td>
<td>0.130 A/m</td>
<td>0.170 A/m</td>
<td>0.220 A/m</td>
<td>0.260 A/m</td>
</tr>
<tr>
<td>Tolerance</td>
<td>0 / +4 W/m</td>
<td>0 / +4 W/m</td>
<td>0 / +5 W/m</td>
<td>0 / +5 W/m</td>
</tr>
<tr>
<td>Supply voltage conductors</td>
<td>Nickeled copper 2*1.00 mm²</td>
<td>Nickeled copper 2*1.00 mm²</td>
<td>Nickeled copper 2*1.00 mm²</td>
<td>Nickeled copper 2*1.25 mm²</td>
</tr>
</tbody>
</table>

Main features

- tinned copper braid.
- fire retardant polyolefin overjacket (CABT/EX + CGp).
- fluoropolymer FEP overjacket (CABT/EX + CGf).
- 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.

Printing : CABT/Ex - Ex e IIC T6 Gb - Ex tb IIC T85°C Db - IP 66/67
Temperature range : -50°C < Ambient Temp < +65°C.

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>CABT/EX +CGp</th>
<th>CABT/EX +CGf</th>
</tr>
</thead>
<tbody>
<tr>
<td>mini</td>
<td>5.50 * 11.70 mm</td>
<td>5.50 * 11.70 mm</td>
</tr>
<tr>
<td>maxi</td>
<td>6.50 * 12.70 mm</td>
<td>6.50 * 12.70 mm</td>
</tr>
</tbody>
</table>

Accessories

Thermal dissipation curves are theoretical and given for information purposes.
Le Système de Management de :

Technitrace

Site principal : Avenue du Général de Gaulle, 89130 Toucy, France.
a été enregistré par Intertek comme étant conforme aux exigences de la norme :

ISO 9001:2015

Le Système de Management est applicable à :

Fabrication de câbles électriques chauffants.

Certificat n°:
0059737-40

Date de certification initiale :
31 janvier 2014

Date de certification :
27 décembre 2016

Date d'émission du certificat :
08 novembre 2017

Date d'expiration :
30 janvier 2020

Cofrac
ACCRÉDITATION
COFRAC N° A 6064
POUR LE
CERTIF. DE
RELIABILITE
CERTIFICATION
SYSTEMES
DE MANAGEMENT

Calin Moldovean
Président, Business Assurance

Intertek Certification France, 67, boulevard Beaumarchais 75017 Paris - France
NOTIFICATION D’ASSURANCE QUALITÉ DE PRODUCTION
PRODUCTION QUALITY ASSURANCE
NOTIFICATION

1 Version : 00 LCIE 18 ATEX Q 4004 Issue : 00

 Directives 2014/34/UE

2 Appareils ou Systèmes de Protection ou Composants listés dans l’annexe incluse à cette notification.
3 Fabricant :
TECHNITRACE
4 Adresse :
Avenue du Général De Gaulle
89130 TOUCY
FRANCE

5 Lieu(x) de fabrication listé(s) dans l’annexe incluse à cette notification.


7 Cette notification est fondée sur le(s) rapport(s) d’audit :
155370-720864
This notification is based on audit report(s):

8 Ce document est valable :

<table>
<thead>
<tr>
<th>Du / From</th>
<th>Au / To</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018/06/06</td>
<td>2021/06/05</td>
</tr>
</tbody>
</table>

Cette notification peut être retirée si le fabricant ne satisfait pas à la surveillance de l’assurance qualité de production.

9 Conformément à l’article 16.3 de la directive 2014/34/UE le marquage CE doit être suivi numéro d’identification 0081 du LCIE identifiant l’organisme notifié qui intervient dans les phases de contrôle de la production.

Fontenay-aux-Roses, le 13 juillet 2018

Responsable de Certification
Certification Officer
Julien Gauthier

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VFL
End light to screw directly on a support tube to indicate that the cable is properly working.

THS/T
Surface thermostat fixed directly on pipe with the support tube.

P/CONNECT
Quick water proof connector for extension of heating cables.

EQ/FIX
Stainless steel support for boxes and thermostats.

SC/FLEX
Input / Output insulation kit through a flexible protection tube.

TECHNITRACE
heating cables
BJK/S
Connexion and junction water proof box.

EXT/T
End cape for heating cable thermo-retractable or to seal.

EXT/C

T/CONNECT
Quick T water proof connector for heating cables.

Octopus
Connection octopus to integrate into the box.

T/SCS
Support tube and direct input of cables in box. Strapping directly on the pipe.

THA/E
Electronic ambient thermostat with current limiter for self regulating heating cables.

Our accessories
### Temperature control

#### Ambient thermostat THA/C

Halogen free Polycarbonate box - IP 66 (CEI 529)
Thermostat circuit board - 2 output terminals / maxi 16 A/230 V/400 V
Cut current on phase / common neutral
0°C/+50°C - dim : 175*125*75 mm

#### Electronic ambient thermostat THA/E

Halogen free polycarbonate box - IP 66 (CEI 529)
130*130*73 mm / equipped with Novatrace electronic card
1 Input 230 V - 1 controlled Output 230 V/16 A.
Integrated inrush absorber current unit for SR cables.
Ambiant temperature sensor included in M20 Gland.

#### Electronic surface thermostat TSHS/E

Halogen free polycarbonate box - IP 66 (CEI 529)
130*130*73 mm / Novatrace electronic card + LCD display
1 Input 230 V - 1 controlled Output 230 V/16 A.
Integrated inrush absorber current unit for SR cables.
Temperature sensor Pt1000 length 2m / 0-100°C operating range.

#### Mini programming console for THA/E

Mini programming console on support feet.
Allows to re-programming Novatrace devices.
Energy supply received directly from the Novatrace card.
Digital LCD display / 3 mini push buttons.
Programming manual supplied for level I and expert level II.

#### ATEX surface thermostat Eex’d’ - THD

Capillary surface thermosta with sensitive bulb
temperature ranges available : 0-100°C or 50-250°C
capillary protection by flexible sheath SC/FLEX
Cut current = maxi 16 A - 230 V/400V
Explosion proof box : Eex’d’ IIC/CT6 - 140 * 140 * 89 mm
4 holes 3/4”NPT + 2 plugs + Glands 3/4”NPT

#### Surface thermostat THS/S and THS/SS

Water proof box 130*130*73 mm - IP 66
Thermostat circuit board : maxi 16 A / 230 V / 400 V
version THS/SS : potential free change contact ON/OFF.
Temperature ranges available : 0 - 100°C or 50 - 250°C
capillary protected by flexible sheath SC/FLEX.

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Visit our website for more details:

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

Contact us for more information:

- info@technitrace.fr
Connecting devices

Connecting and junction boxes BJK/S and BJK/RR

- Halogen free Polycarbonate box - IP 66 (CEI 529)
- Knock out Input / temperature range : -40°C / + 80°C
  - model BJK/S : 130*130*74 mm
  - model BJK/RR : 175*130*74 mm
- Mobile terminals and power gland included

Quick connectors P & T CONNECT

- P-CONNECT : for extension junction
  - IP 68 (Dmaxi = 35 mm).
- T-CONNECT : for T junction box IP 65
  - temperature range : -20°C / +125°C
  - section : mini : 1.00 mm² / maxi 2.50 mm²
- connexion blocks and washers included.

ATEX connexion box BJE/EEx"e"
for hazardous area

- Increase security connexion box
- II C T6 (85°C) - Ex "e" Graphitized Polycarbonate
- 4 holes M 20 + 3 plugs M20 / 1 power gland M20.
- IP 66 / Maxi current 10 A / 230 V / maxi section: 2.50 mm2
- DIN rail + 4 bridge terminals
- + 2 ground terminals / 120*120*92 mm

ATEX explosion proof connexion box BJD/EEx"d"
for hazardous area

- Explosion proof box
  - for hazardous area
- II C T6 (85°C) - EEx "d" - cast iron
- 3 holes 3/4" NPT + 1 plug
**Miscellaneous accessories**

**Aluminium adhesive tape ALU-BT or ALU-HT**

Roll of adhesive aluminium tape  
width = 50 mm / length = 50 m +/- 10%  
Temperature range : ALU/BT : 105°C - ALU/HT : 200°C

**Adhesive tape POLY50 and FIV 200**

Adhesive tape for heat cables strapping  
width = 19 mm / length = 50 m +/- 10%  
POLY 50 : polyester / maxi 60°C  
FIV 200 : armed fiber glass / maxi 150°C

**Modular electrical boxes CE 001 to CE 003**

Pre assembled modular electric box  
CE 001 = Circuit breaker 16 Amps + differential 30mA  
CE 002 = Circuit breaker 25 Amps + differential 30mA  
+ Electronic temperature regulator REG 150  
+ power contactor : ask for request

**Temperature sensor PT1000 - length 2m**

Temperature sensor PT1000 for electronic Novatrace box  
Flexible cable 2m / 0.75 mm2 (other length on request)  
Water proof sensor IP x4 / Gland M20 included  
Available for ambient sensor or surface temperature  
for the electronic thermostats THA/E or THE/S.

**Output insulation and fixing tube for boxes T/SCS**

Polycarbonate tube allowing direct fixing on process pipe  
of all boxes and thermostats :  
BJK/S, THA/C, THA/E, THS/S,...  
Direct entries of 3 or 4 heating cables.  
For pipe diam >20 mm / maxi temperature exposure 100°C.  
Height from baseplate / tube : 30/120 mm / M32

**Digital insulation tester**

Digital insulation tester  
delivered in a storage case with  
2 connecting cables and crocs clips  
Insulation resistance mesure under 250 / 500 and 1000 Volts  
Measurement hold function (Hold)
Miscellaneous accessories

Connection sets for normal zones.

Complete connexion set CAxT for self regulating heating cables CABT, CAMT & CAHT
Thermo retractable 3/1 and 12/4 + gland M20

ATEX/EEx ‘e’ connection set

Complete connexion set for hazardous area (increased security) Eex’e’ for self regulating heating cables CABT/Ex & CAHT/Ex

ATEX/EEx ‘d’ connection set

Complete connexion set for hazardous area (explosion proof security) Eex’d’ for self regulating heating cables CABT/Ex & CAHT/Ex

Other accessories available
Do not hesitate to contact our technical departement

Virtual presentation on USB key

USB key which includes a virtual presentation animation of Techitrace company. Included all installation videos for all connexion kits.
Miscellaneous accessories

Through insulation kit SC/CAXT

Perforated stainless steel plate
Gland + gasket + nut
SC/CAXT: for all self regulating heating cables

Through insulation into flexible SC/FLEX

Perforated stainless steel plate
Flexible grooved sheath length 500 mm
+ 2 end fittings + 2 nuts

Stainless steel fixing bracket EQ/FIX

Stainless steel folded fixing bracket
for supporting
BJK/S, BJK/RR, THA/C, THS, ...

Voltage indicator lamp

Voltage indicator lamp for the front panel
VOY230 for 230 V supply voltage or
VOY400 for 400 V supply voltage
opening 10 mm wide + bold.

Self adhesive caution label ETI

Potential danger warming label
black text on yellow background
ELECTRIC HEAT TRACING
Self adhesive

Spare thermostatic insert

Printed circuit board with thermostatic insert
for the replacement of surface thermostat
THS/S or THS/SS
Temperature available: 0-100°C or 50°C-250°C
Franch manufacture of Self Regulating Heating cables
SALES REPRESENTATIVE: