

**FLEXIBLE HEATING  
CABLES AND ELEMENTS FOR  
INDUSTRY  
FLUID TRANSPORTATION  
LABORATORIES**

**FLEXELEC SOLUTIONS**

**FLEXUNIT®** Heating cables

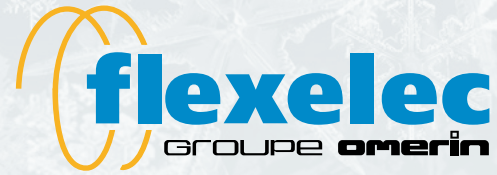
**FLEXTRACE®** Heat tracing cables

**FLEXMAT®** Aluminium and silicon heater mats

**FLEXDRUM®** Drum heaters

**FLEXCORD®** Heating ropes





FLEXELEC is a subsidiary of the Omerin group, takes benefit of more than 1700 collaborators and has specialized in the design and production of flexible heating cables and elements for all kinds of temperature maintenance or protection against freezing of refrigeration systems.

In an industrial environment, the control of maintenance systems temperature is essential for many manufacturers. FLEXELEC product ranges enable meet the criteria of quality, precision and durability the most demanding.

FLEXELEC is now a key player in the market of heating solutions and cultivates a passion for performance. The company is recognized for the reliability of its products and installations.

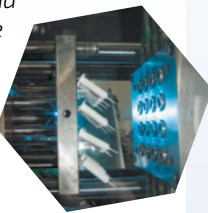
## Industry, Fluid transportation, Laboratories

### DISCOVER ALL OUR SOLUTIONS AND EXEMPLES OF APPLICATIONS

#### Control the temperature of adhesives with flexible heating elements

- Controls the temperature of adhesives, especially on flexible moving parts so that viscosity is always ideal without wasting time or materials when starting cycles. For this, hoses pipes are used to combine temperature and pressure constraints throughout the material transfer process.

- Improves casting and drying during operations involving plastic moulding or resin impregnation of composite materials. Heating by means of flexible elements optimizes output rates and also quality by moulding to the complex shapes of the supports used.



#### Frost protection for long pipelines, metal / non-metal ducts.

FLEXTRACE® SR series heating cables are designed to ensure constant temperatures or frost protection for pipelines, metal or non-metal ducts or circuit lengths that exceed the ratings of constant wattage heating cables.

The FLEXTRACE® SR technology enables electric heat tracing for circuit lengths up to 4,000 m with a single power supply point.



#### Anticondensation heaters for electric motors

Prevent short-circuit risks caused by condensation during cooling after using electric motors and occurring when restarting them. The special glass fibre heating tapes are approved for use in ATEX explosive environments.



### FLEXELEC SOLUTIONS

#### FLEXTRACE® SR

The complete range of series long length cable solutions and accessories for technical tracing of high power outputs.

### FLEXELEC SOLUTIONS

#### FLEXTAPE®

→ **RSV** : Anti-condensation tape motor for safety, the longevity and efficiency of electric motors. This range is also certified for ATEX atmospheres.

### FLEXELEC SOLUTIONS

#### FLEXMAT®

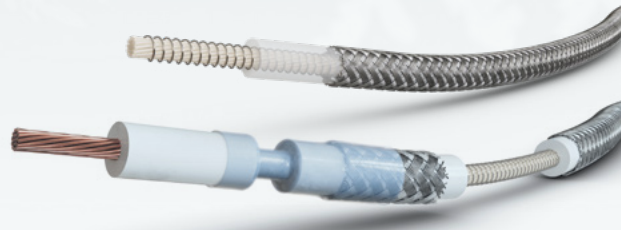
→ **T-TA-TV-TP** : Silicone heating mats, flat, preformed or assembled on support for a distributed power requirement and homogeneous on a surface.

#### FLEXCORD®

→ **C1S-C1ST-C1SI** : Heating cords silicone series for applications without chemical stress and moisture.  
 → **C1F-C1FT-C1FI** : Heating cords fluoropolymer series for applications in chemically constrained environments or high humidity.

#### FLEXUNIT®

→ **CS-CST-CSI-CSTW** : Connections with reinforced sealing, ready for installation.  
 → **CS2-CS2T-CS2I-CS2TW** : Ready-to-install connections for installations without ambient humidity constraints.



### FLEXELEC SOLUTIONS

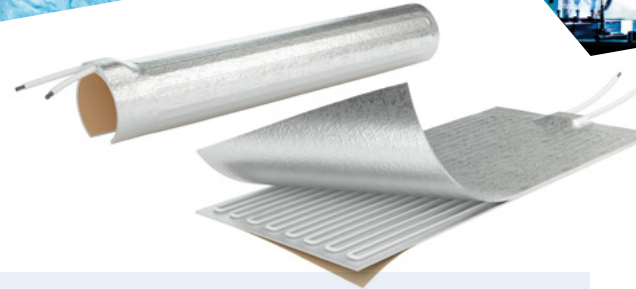
#### FLEXMAT®

A need for power to dissipate over a large area and avoid hot spots or areas.

→ **T-TA-TV-TP** : Silicone heating mats, flat, preformed or assembled on support for a distributed power requirement up to 0.7 W/cm<sup>2</sup> according to its use.

→ **ALU** : Maximum power self-adhesive heating fabrics of 0.25 W/cm<sup>2</sup>.

Flexible and reliable, the solution for applications with low humidity and vibration constraints.



#### Protect on-board electronics, simulate heat sources with heating element

Protect on-board electronics in ships or planes, simulate heat sources for fine-tuning thermo-guided missiles: for such sensitive applications, customised flexible heating elements are used to attain extreme levels of performance and reliability.



#### Enable production and development new products with heating elements

Prepare optimum conditions in which to develop, produce or administer medicines, prostheses or creams by keeping control of molecule conservation temperature indicators and excipient viscosity.



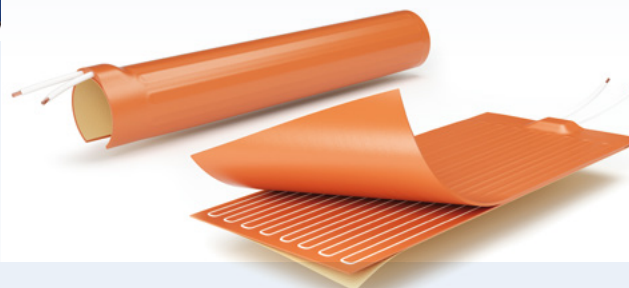
### FLEXELEC SOLUTIONS

#### FLEXUNIT®

→ **CP-CPT** : PVC isolated connections ready for installation for powers limited to 15 W/m of rope.

→ **CS1** : (silicon elastomer insulated) with integrated cold tail, the good solution for medium and large series.

→ **CP1** : (PVC insulated), up to 15 W/m. With integrated cold tail, the good solution for medium and large series.



#### Keeping processes and storage up to temperature, trace installations, tanks and pumps

- Provide professionals, craftsmen or industrialists with perfectly tempered tools so that they can work with delicate ingredients in ideal conditions. Temperature control is also very important, especially for chocolate, glucose and certain oils which could be damaged by overheating.



- Keep process temperatures constant, often in extreme conditions on account of the hydrocarbons being transported, or if the environment has been classified as a dangerous zone. The electrical heat tracing has in this case to be ATEX-qualified as explosion-proof, both for the cable and the junction boxes.

### FLEXELEC SOLUTIONS

#### FLEXDRUM®

→ **TCF-TCF/TV** : High-performance heating fabrics and reliability, equipped or not with its adjustable thermostat for installation on cylindrical containers.

#### FLEXTRACE®

Constant power heating cable for high temperature maintenance.

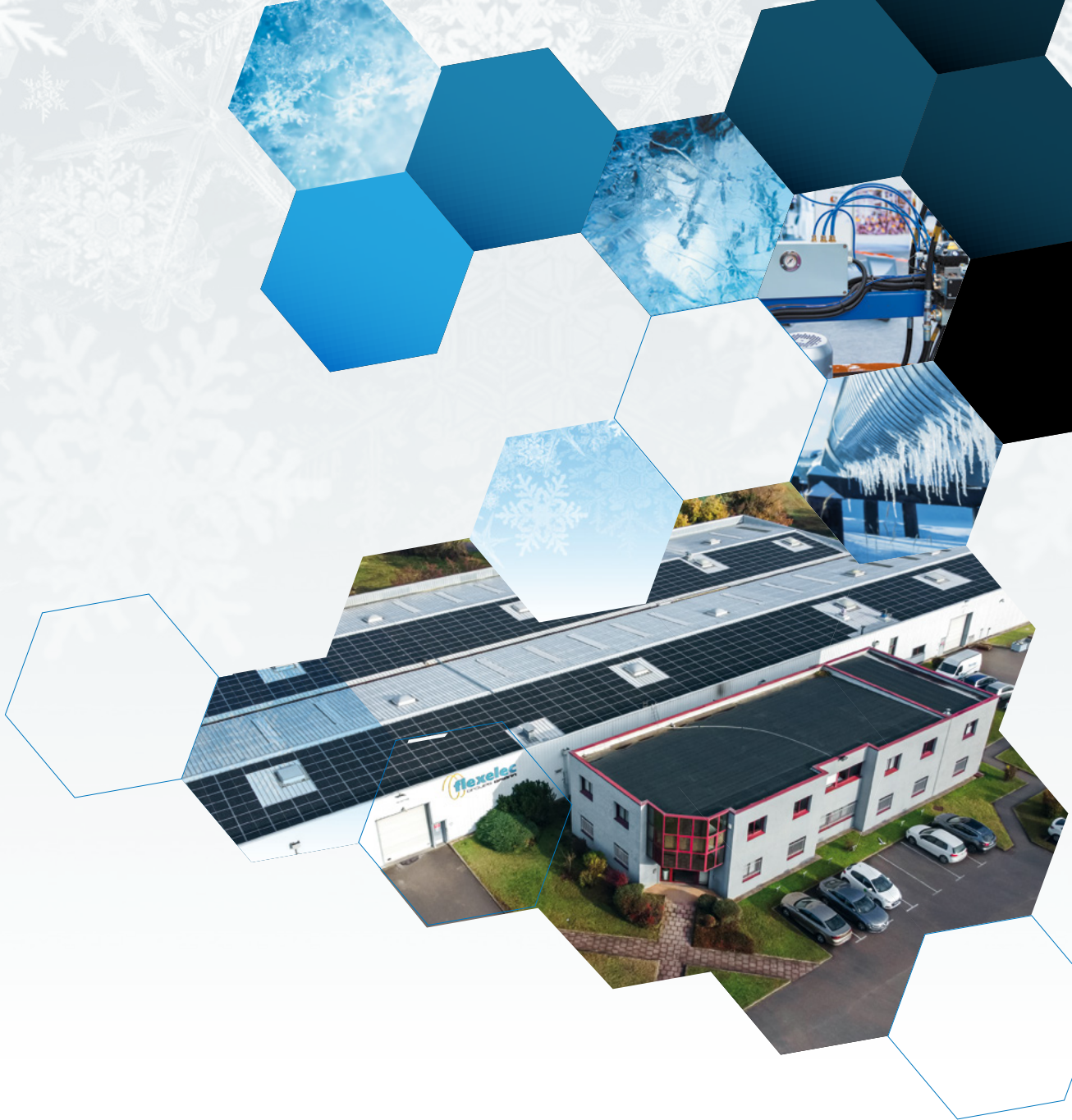
→ **FTSH-FTTH** : Constant power.

Flat and available in many versions.

→ **FST-FSX** : Self-regulating, easy to use but limited in performance.

- Heating or tempering tanks and tanks containing corrosive products by electrical heat tracing using cables or High resistance heating tapes to different types of corrosion.





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