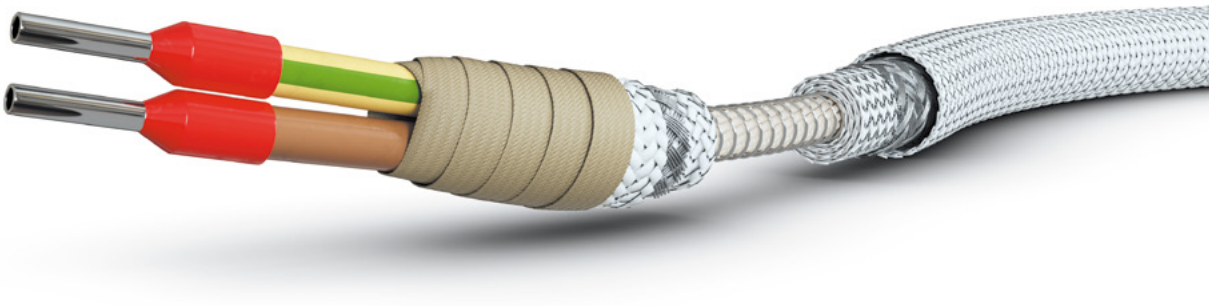
FLEXIBLE HEATING CABLES AND ELEMENTS FOR MISCELLANEOUS APPLICATIONS

FLEXELEC SOLUTIONS

FLEXTRACE® *HEAT TRACING CABLES*
FLEXMAT® *HEATING PLATES*
FLEXUNIT® *HEATING CABLES*
FLEXFLOOR® *CABLES*
FOR TECHNICAL SURFACES

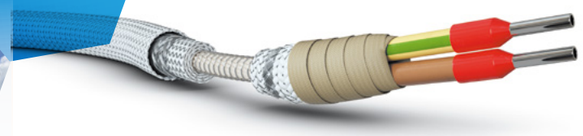


flexelec
GROUPE omerin

FLEXELEC is a subsidary of the Omerin group which 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.

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.

The strength of FLEXELEC lies in its ability to discover and innovate. On-request production is often essential. Flexible heating elements go on to surprise with the extent of new applications, and future developments, ever more "exotic"…



Miscellaneous applications

DISCOVER ALL OUR SOLUTIONS AND APPLICATION EXAMPLES

Defrosting satellite dishes and weather forecasting equipments with heating elements

Defrosting satellite dishes is essential to ensure continuous broadcasting on radio, TV or military channels. Heating elements, cables or mats are laid out on the back of the receiver.

Eliminating problems of frost on wind and rain gauges and other weather-forecasting equipment is a delicate technical challenge. So as not to influence readings, the heating elements are integrated into spaces or on very special shapes.

Keeping batteries from freezing with heating elements to improve their lifetime

Keeping batteries from freezing , permanently or during programmed cycles is paramount for obtaining a reliable main or emergency electrical supply. This protection with an heating element can significantly extend the lifetime of these equipments.

Heating the slate of billiard tables with an heating cable

Counter variations in air humidity and temperature differences and temperature differences in the slate, which are detrimental to the speed and trueness of billiard balls for high-level players, by fixing heating cables to the bottom of the frame. This has the additional advantage of making the tables smoother and quieter.

FLEXELEC SOLUTIONS

For heat tracing of surfaces or pipes

FLEXTRACE®

- ➜ **FSH :** Performance and designed for hot water loops.
- ➜ **FTP :** Flat, improves heat exchange - PVC.
- ➜ **FSO - FSI :** Self-regulating, easy to use but limited in performance, circuit length and longevity.

FLEXMAT®

A need for power to be dissipated over a large surface area and to avoid hot spots or zones

- ➜ **TA -TV - TP :** Flat silicon mat, preformed or assembled for maximum powers up to 0.5w/cm² depending on its use.
- ➜ **ALU :** Self-adhesive heating mat with maximum power of 0.25 W/cm². Flexible and reliable, the solution for applications with low humidity constraints and vibration.

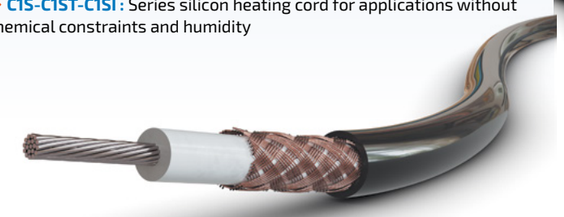
FLEXFLOOR®

Control the temperature and humidity of a sensitive surface

- ➜ **KY-KYB :** Extra-flexible and durable serial cable.

FLEXCORD®

- ➜ **C1S-C1ST-C1SI :** Series silicon heating cord for applications without chemical constraints and humidity



FLEXELEC SOLUTIONS

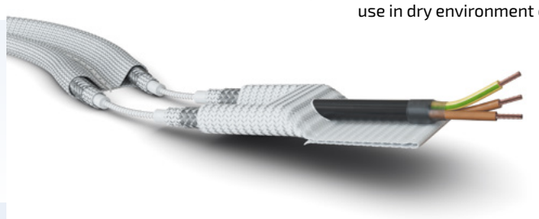
High temperature for scientific equipment

FLEXUNIT®

- ➜ **CVI:** Connection ready for use, 125W/m and +450°C maximum.

FLEXTAPE®

- ➜ **RVI:** Ready-to-use tape, 250W/m and +450°C maximum, use in dry environment only.
- ➜ **RVR:** Ready-to-use tape, 175W/m and +900°C maximum, use in dry environment only.



FLEXELEC SOLUTIONS

To avoid condensation

FLEXUNIT®

- ➜ **CP-CPT:** PVC insulated connection ready for installation for powers limited to 15w/m of cord.
- ➜ **CS-CST-CSI-CSTW:** Connection ready for installation and reinforced sealing.
- ➜ **CP1:** In PVC, with limited power of 15w/m of cord. With integrated cold tail, the right solution for medium and large series.
- ➜ **CS1:** In silicon, with integrated cold tail, the right solution for medium and large series.

FLEXTRACE®

For drying cabinets

- ➜ **FSO -FSJ:** Self-regulating, easy to use.
- ➜ **FSH:** Performance and designed for hot water loops.

For high temperature applications (more than 200°C)

Taking vaccum to its extremes with heating elements. Bring gas piping, vacuum pumps, analysis stands up to +450°C or +900°C, using the properties of glass fibre and silica fibre cords and tapes. Prevent condensation at critical points in particle accelerators. State-of-the-art research laboratories are pushing FLEXELEC innovation to ever more high-performance developments.

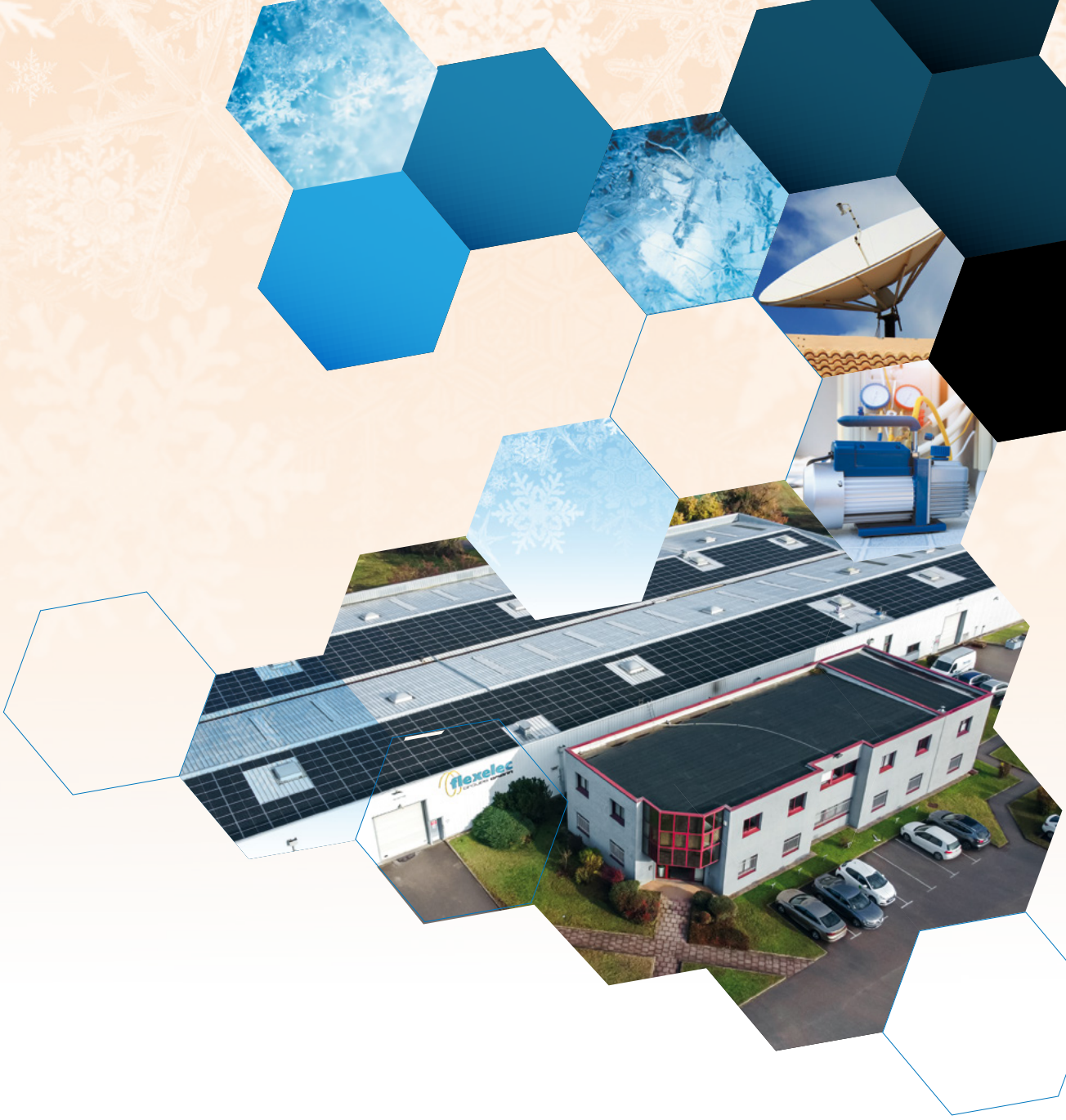
Dry and make sure an optimum humidity rate in automatic ticket offices and printers thanks to heating cords

Distributing the right number of banknotes involves checking that condensation doesn't make them stick together. With this in view, heating cords or tapes keep the storage bay dry.

Activate drying, preheat media or ink tanks. The printing industry requires flexible heating elements to optimise output and quality of its publications, often by means of customised resistors designed to fit the dimensions and requirements of each process.

Contribute to the manufacturing of sports equipment with heating elements

Sports equipment materials or the uses to which they are put are often a source of very special applications in which the flexible heating element is a real plus for manufacturers and users alike. Examples: Drying amateur or professional ski boots, manufacturing of ice hockey sticks.



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