

# **FLEXIBLE HEATING CABLES AND ELEMENTS FOR THE REFRIGERATION AND AIR CONDITIONING**

## **FLEXELEC SOLUTIONS**

**FLEXUNIT®** Heating cables

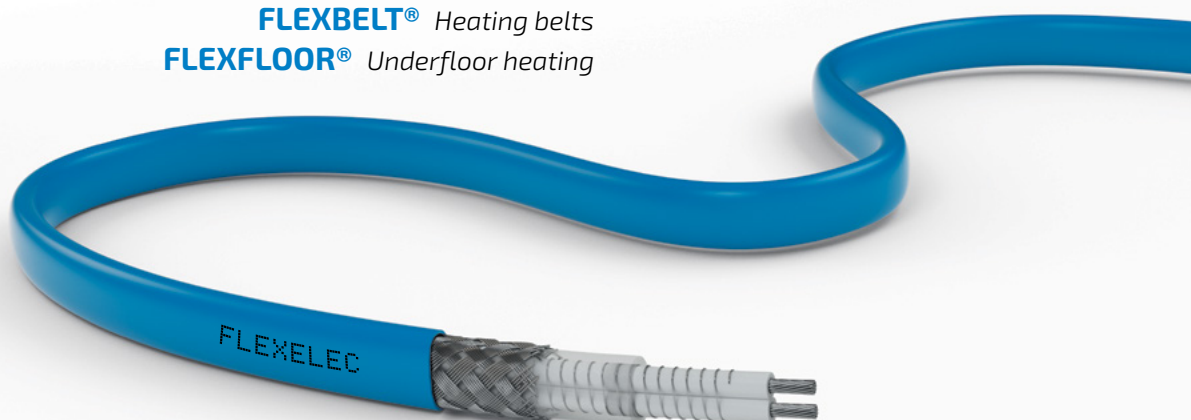
**FLEXTRACE®** Heat tracing cables

**FLEXDRAIN®** Drain-line cables

**FLEXMAT®** Aluminium heater mats

**FLEXBELT®** Heating belts

**FLEXFLOOR®** Underfloor heating







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.

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.

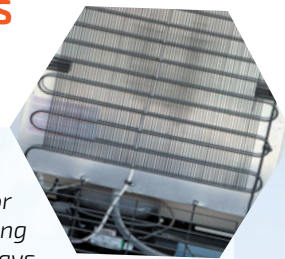
Flexible heating elements are used for many applications in the refrigeration industry, which is a major area of innovation and development for FLEXELEC products. These heating elements are always essential for the equipment to function properly, whether they are fitted in cold rooms, refrigerated vehicles or in supermarkets.

# Refrigeration and Air-conditioning

## DISCOVER ALL OUR SOLUTIONS AND EXEMPLES OF APPLICATIONS

### Allow water from defrost cycles to flow freely

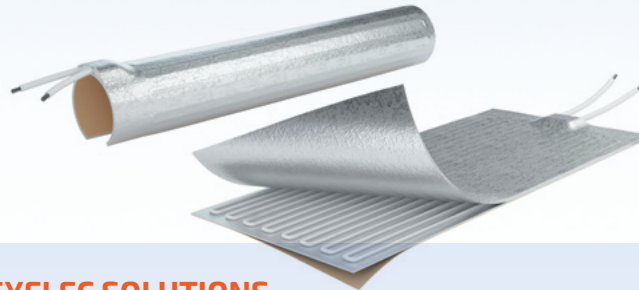
Allow water from defrost cycles to flow freely or help it to evaporate by internal or external tracing of piping, collector spouts or trays.



**FLEXELEC SOLUTIONS** for heat pumps and air conditioning units (evaporators and condensers)

#### FLEXDRAIN® DRAIN-LINE HEATERS

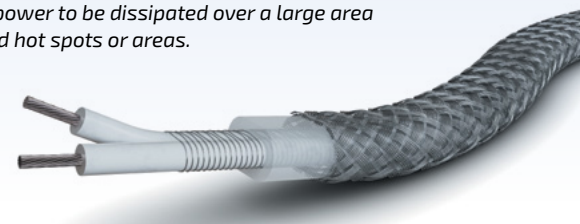
- CSC - CSC/T - CSC/TS : round for tackling in case of bendings.
- CSC2 : flat for maximum energy efficiency.
- CSC2K : flat and equipped with autonomous thermostat.



**FLEXELEC SOLUTIONS** for frost protection applications on a surface with low dissipation coefficient

#### FLEXMAT® ALUMINIUM HEATERS MATS

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



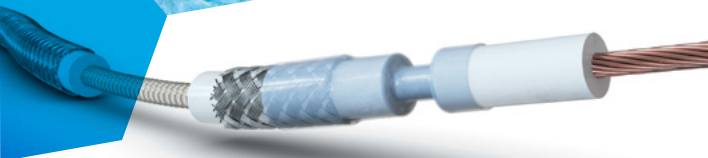
**FLEXELEC SOLUTIONS** for every type of application

#### FLEXTRACE® CONSTANT POWER CABLES

- FTSM (silicon elastomer insulated) : round, very small diameter, easy to fit.
- FTP0 (PVC insulated) : flat, improves the heat exchange surface.
- FTSO (silicon elastomer insulated) : flat, for more power per meter.

### Protect fluids circulating in refrigerated systems from freezing

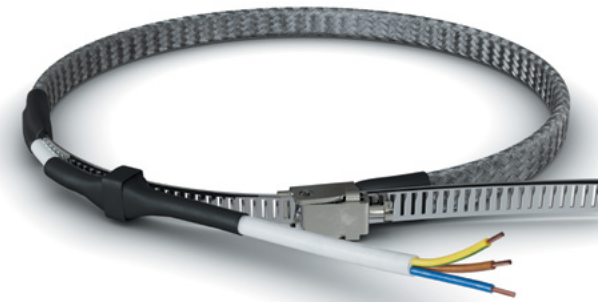
Protect fluids circulating in exchangers, pumps, collectors, tanks and piping from freezing, to guard against malfunctioning and flow interference.



**FLEXELEC SOLUTIONS** for windows and evaporators

#### FLEXUNIT® HEATING CABLES

- CP (PVC insulated) and CS (elastomer silicon insulated) : with sealed moulding reinforced IP68 between heating section and cold tail.
- CP1 (PVC insulated) and CS1 (silicon elastomer insulated) : with integrated cold tail, the good solution for medium and large series.
- CS2 (silicon elastomer insulated) : issue from CS cables with IP54 limited sealing.



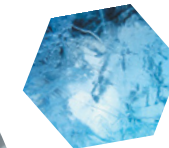
### Prevent seals from sticking and avoid mist forming for refrigeration equipments

- Prevent seals from sticking due to freezing in equipment running at below-zero temperature and enable doors to open and close by fitting a heating element in the frames.
- Prevent mist or frost forming when opening glass doors by fitting a heating cable in the frames.



### Heat seals of cold room doors

Heat seals to allow doors to open and close by including a heating cable.



### Separate the coolant from the lubricating oil of a compressor

Separate the coolant from the lubricating oil by fitting a heating belt around the compressor: this will protect against the absorption phenomenon caused by the low temperatures.



**FLEXELEC SOLUTIONS** for compressors protection

#### FLEXBELT® HEATING BELTS CRANKCASE HEATERS

- FCH : protect compressors by preheating.
- FCHK : version equipped with an automatic thermostat.



### Maintain the temperature of concrete sub-bases

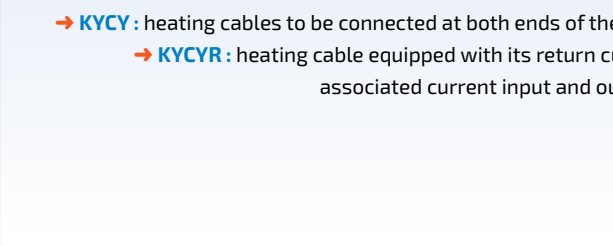
Maintain the temperature of sub-bases by making a thermal barrier under the insulation. This prevents condensation which, as it expands due to freezing, could damage the floor of the building.



**FLEXELEC SOLUTIONS** for keeping technical floors frost-free

#### FLEXFLOOR® CABLES FOR UNDERFLOOR HEATING

- KYCY : heating cables to be connected at both ends of the circuit.
- KYCYR : heating cable equipped with its return current, associated current input and output.

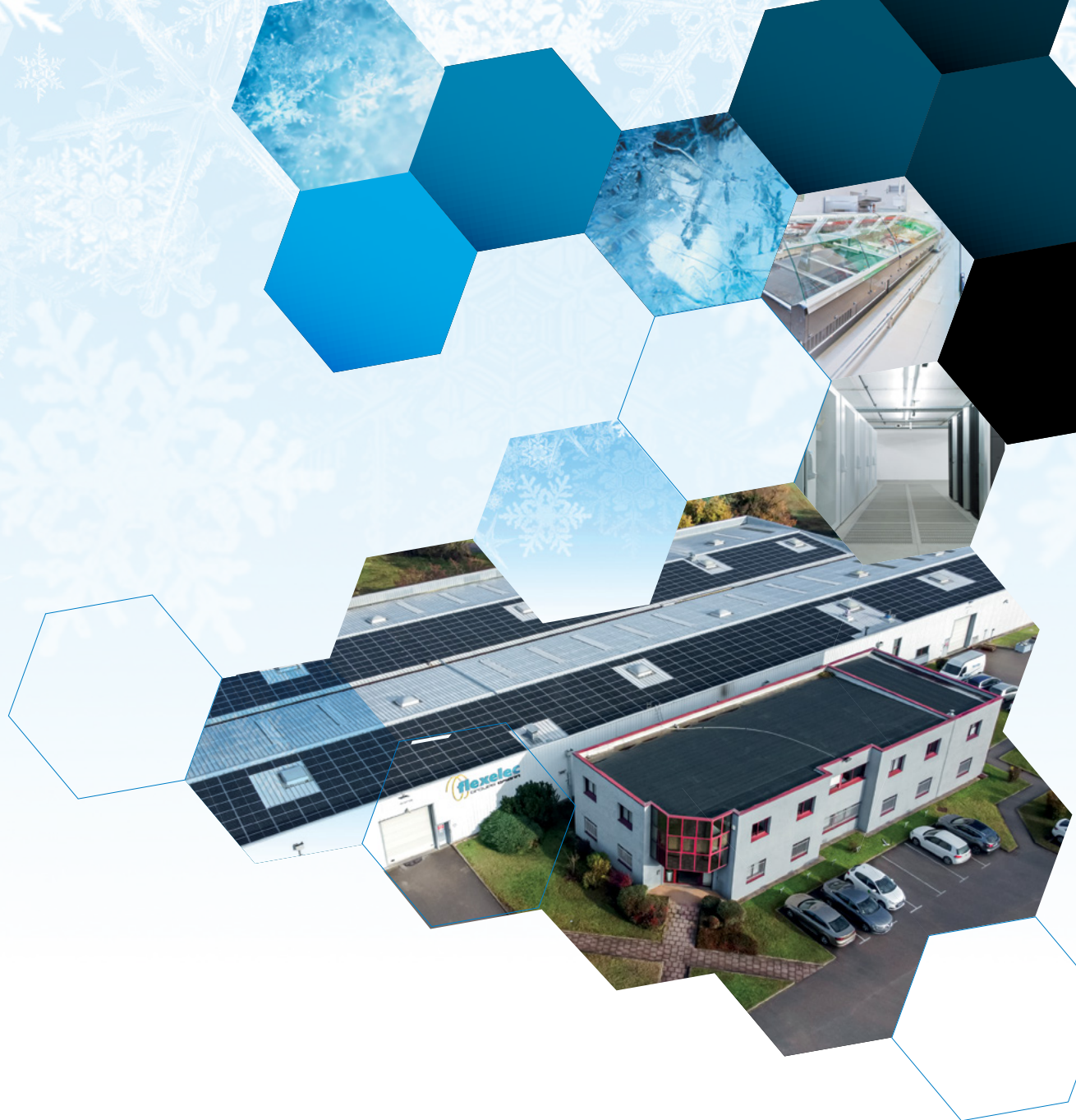


### Prevent ice from forming on the floor

Prevent ice from forming on the surface of the floor by laying the heating cable in the top concrete slab above the insulation, at the entrances and exists of freezing tunnels, unloading docks, among other cold room spaces.







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