

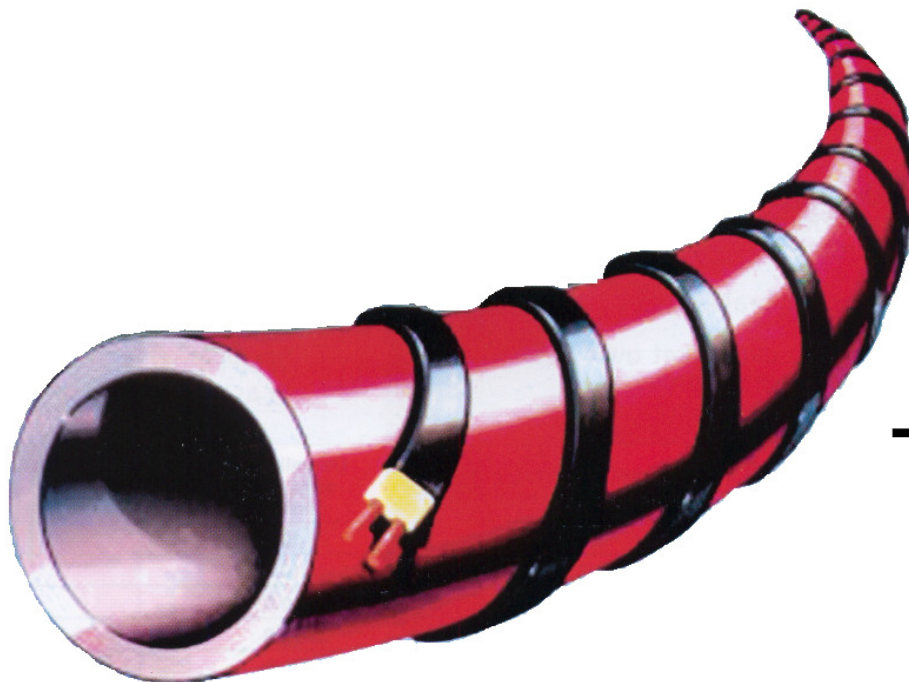


We Make The Difference

www.alphadynamic.eu

ELSR-N series Self Regulating Trace Heaters

For ice & frost protection for pipes, gutters, roofs and hot water temperature maintenance.



MADE IN GERMANY

Technical Information

Maximum maintain temperature	65 °C
Maximum exposure temperature (de-energized)	80 °C
Nominal voltage*	230 V
Bending radius, min.	25 mm
Installation temperature, min.	- 60 °C

ELSR-N Series

Self regulating Trace Heaters

Self-regulating trace heaters consist of two parallel bus wires embedded in a heating matrix doped with carbon particles. When the temperature rises in operation, molecular expansion increases the distance between the carbon particles. The resistance increases and output drops.

When temperatures fall, this process is reversed and output increases. This physical property means that the heater will never overheat, can be assembled crosswise and can be operated without a temperature limiter. Moreover, selected ELSR heating cables are approved for use in hazardous areas.

Applications:



Freeze prevention



Temperature maintenance



Pipelines



Valves, pumps



Silos, vessels, tanks

Product highlights:



1 Bus wire

Nickel plated copper

2 Self-regulating heating element

3 Insulation

4 Protection

Protective braid (Cu, tin plated)

5 Outer jacket