



ASGARD INDUSTRIAL SYSTEMS LTD.

Trace heating



Asgard Industrial Systems Ltd are Irelands Sole distributors and stockists for eltherm trace heating products and systems.

We offer the complete range of eltherm self-regulating and non-self-regulating trace heating cables, as well as flexible heated hoses, heated jackets temperature controllers and accessories.



Trace Heating Cables

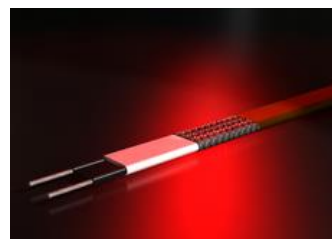
Eltherm are a leading manufacturer of self-regulating, constant wattage and series (resistance) heating cables and manufacture all of these cables at their plant near Siegen in Germany. A full range of ATEX approved hazardous area variants is also available.

Self-Regulating Cables, ELSR..xx

Self-regulating cables are the most commonly used trace heating cables for frost protection and process temperature maintenance applications. That is, they are used to replace the heat lost through a pipe or vessels thermal insulation, thus ensuring that the pipe or vessels temperature is maintained at the target level (ie for frost protection, this is typically 5 degrees C).

ELSR-LS range:

- Outputs from 10W/m up to 30W/m
- Available in 230VAC and 110VAC
- Max temperature withstand energised = 65°C, de-energised = 80°C
- ATEX approved (230VAC variant)



ELSR-W range:

- 55°C and 65°C nominal temperatures for hot water maintenance
- 230VAC
- Max temperature withstand energised = 80°C, den-energised = 100°C
- Also suitable for higher temperature process temperature maintenance

ELSR-H range:

- Outputs from 10W/m up to 60W/m
- 230VAC and 110VAC variants available
- Highest temperature withstand:
 - Up to 120°C energised
 - Up to 200°C de-energised
- Corrosion resistant fluoropolymer outer sheath



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Resistance Heating Cables

Eltherm manufacture constant power resistance based heating cables (the ELK range) with different outer sheaths/jackets in order to cater for the temperature of the application

ELKM – PTFE insulated cables for applications up to 260°C (25W/m)

ELK-H – Glass cloth insulated for applications up to 450°C (approx. 125W/m)

ELK-Q – Quartz insulated for applications up to 900°C (approx. 150W/m)

ELK-MI – Mineral insulated cables for applications up to 600°C /1000°C (approx. 250W/m)



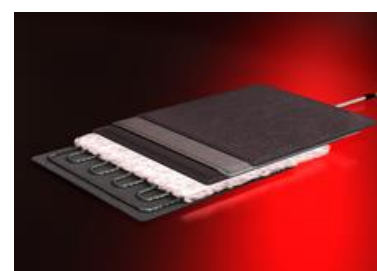
Heated Hoses

Eltherm are the world's foremost manufacturer of flexible heated hoses, which are pre-traced internally in order to provide temperature maintenance of fluids and gases. Typically, construction includes one or more carrier hoses, which are then traced with either self-regulating or constant power heating cable, before being insulated and then finished as a ready to connect item. Hoses can also be manufactured to ATEX requirements and to handle the most corrosive of materials



Heated Jackets

Eltherm design and manufacture bespoke electrically heated jackets, providing a close-fitting, ready to connect temperature maintenance solution for vessels and objects up to 900°C. Jackets can also be designed and manufactured to ATEX requirements



Controllers and Accessories

Asgard Industrial Systems offer the full range of Eltherm electronic temperature controllers as well as general surface heating accessories.