

Electrical heating tape for frost protection or temperature maintenance of instrument lines, pipework or vessels in safe or hazardous area environments.

Self-Regulating Heating Tape

200°C



- Automatically adjusts heat output in response to heated surface temperature.
- Can be cut-to-length with minimal wastage.
- Suitable for high process temperature maintenance applications up to +150°C.
- Full range of terminations, controls, accessories and approvals available.
- Will not overheat, even when overlapped.
- Available for 220...277V AC (110V...120V AC upon request)

Description

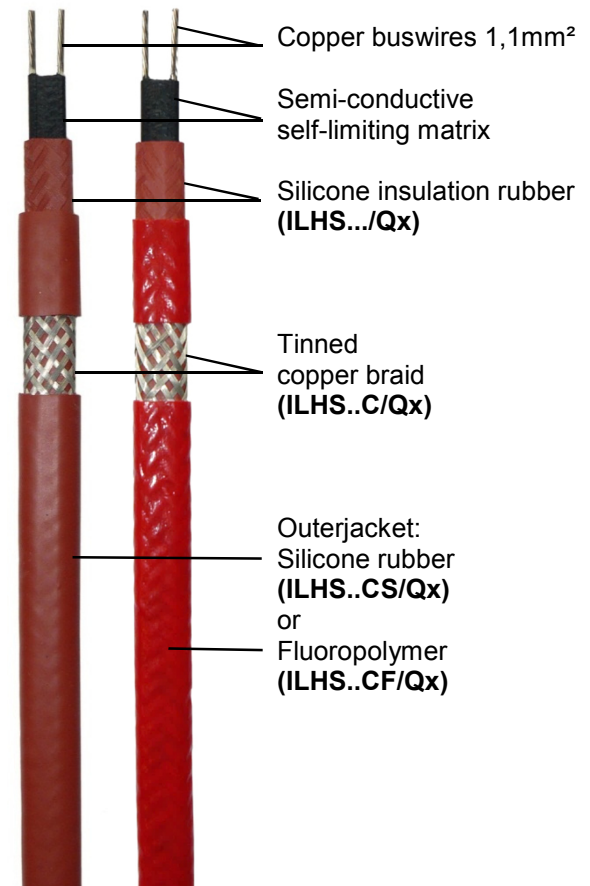
Quintherm ILHS is a high temperature industrial/commercial grade self-regulating heating tape that can be used for high process temperature maintenance of pipework or vessels in the pharmaceutical & chemical or construction industries up to 200°C (switched off) which may be subject to steam cleaning.

It can be cut-to-length on site to match exact pipe lengths without any complicated design considerations.

ILHS is approved for use in non-hazardous, hazardous or corrosive environments to world-wide standards.

Its self-regulating characteristics improve safety and reliability. ILHS will not overheat or burnout, even if overlapped upon itself. Its power output is automatically self-regulated in response to pipe or heated surface temperature. This ensures safety and reliability.

Installation of Quintherm ILHS is quick and easy, requiring no special tools or skills. Terminations, in-line splicing and power connection components are all available in convenient termination kits.



Available Options

- ILHS../Qx** Base heating tape without any braiding or outerjacket (only for non-Ex applications) *(available upon special request)*
- ILHS..C/Qx** Base heating tape with tinned copper braid providing mechanical protection or where Traced equipment does not provide an effective earth path, e.g. plastic or non-metallic pipework or surfaces. *(available upon special request)*
- ILHS..CS/Qx** Base heating tape with tinned copper braid and silicone outerjacket for added Mechanical and light chemical protection.
- ILHS..CF/Qx** Base heating tape with tinned copper braid and fluoropolymer outerjacket for added mechanical and aggressive chemical protection.

ILHS... /Qx

Technical Data

Max. Allowed Exposure Temperature:	
Power On:	150°C
Power Off:	200°C
Min. Installation Temperature:	-40°C
Min. Operating Temperature:	-65°C
Power Supply:	220-277VAC
Max. Resistance of Protective Braiding:	≤ 18,2 Ω/km
Temperature Classification:	T3

Weights and Dimensions:

Type	Dimensions Nominal (mm)	Weight kg/100 m	Min. Bending Radius (mm)	Gland Size
ILHS..	9,45 x 4,05	6,6	20	M20
ILHS..C	10,45 x 5,05	12,2	20	M20
ILHS..CS	12,45 x 7,05	12,9	25	M20
ILHS..CF	11,35 x 5,95	12,8	30	M20

Approvals



Ordering Information

Example:	ILHS 30 2 C F/Qx
Quintherm Tape Family (ILHS)	
Nominal Output 30W/m at 10°C (30)	
Supply Voltage 220-277V AC (2)	
Supply Voltage 110-120V AC (1)	
Tinned Copper Braid (C)	
Fluoropolymer Outerjacket (F)	
Silicone Outerjacket (S)	

Further Information

Please consult the installation instructions.



2004

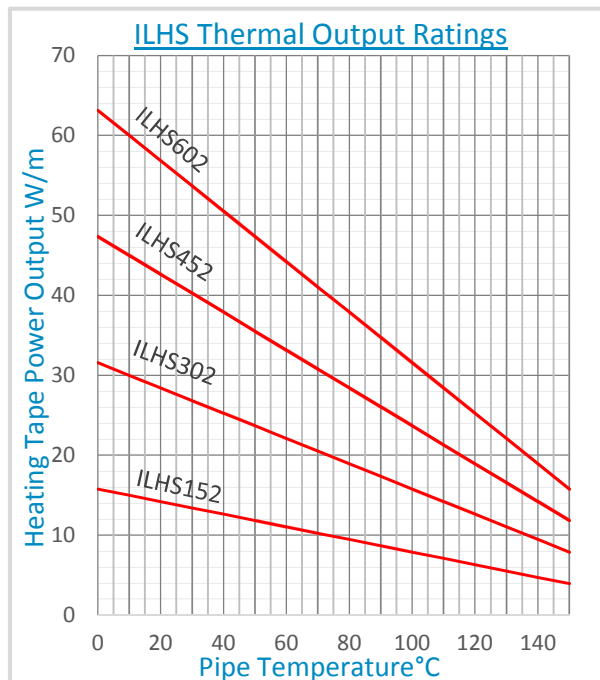
Max. Cct Length (m) vs. MCB Size (A)

Type	Start Temp.	230V AC			
		10A	16A	20A	32A
ILHS152..	+10°C	76	122	154	154
	0°C	70	112	140	146
	-20°C	62	98	122	138
	-40°C	52	82	102	126
ILHS302..	+10°C	52	82	102	108
	0°C	46	74	92	104
	-20°C	40	66	82	98
	-40°C	30	50	62	88
ILHS452..	+10°C	38	62	76	88
	0°C	32	52	66	84
	-20°C	24	38	46	76
	-40°C	14	24	28	46
ILHS602..	+10°C	24	38	46	76
	0°C	18	30	36	58
	-20°C	12	20	26	42
	-40°C	8	12	16	24

For use with Type "C" CB in accordance with EN60898-2:2006

Thermal Ratings

Nominal Power Output at 230V when ILHS is installed on thermally insulated carbon steel pipes.



Accessories

A full range of accessories are available to compliment our heating tapes, such as terminations, end seals, junction boxes and thermostats. Most items carry separate approvals where required for use in hazardous areas.