

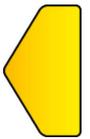
# ILH... /Qx

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



Self-Regulating Heating Tape

225°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 200°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 ILH 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 225°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.

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

Its self-regulating characteristics improve safety and reliability. ILH 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 ILH 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.



Ni-plated copper buswire  
1,1mm<sup>2</sup>

Semi-conductive  
Self-limiting matrix

Fluor polymer insulation  
(ILH.../Qx)

Tinned copper braid  
(ILH..C/Qx)

Fluoropolymer  
outerjacket  
(ILH..CF/Qx)

## Options

ILH.../Qx Base heating tape without any braiding or outer jacket (only for non-Ex applications).  
*(available upon special request)*

ILH..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)*

ILH..CF/Qx Base heating tape with tinned copper braid and fluoropolymer outerjacket for added mechanical and aggressive chemical protection.



# ILH... /Qx

## Technical Data

Max. Exposure Temperature:	
Power On:	200°C
Power Off:	225°C
Min. Installation Temperature:	-40°C
Min. Operating Temperature:	-40°C
Power Supply:	220-277VAC
Cross Section:	1.1mm <sup>2</sup>
Max. Resistance of Protective Braiding:	≤18.2 Ω/km
Temperature Class:	T3 up to ILH60... T2 from ILH75...

## Weights and Dimensions:

Type	Dimensions nominal (mm)	Weight kg/100m	Min. bending radius (mm)	Gland size
ILH..	9.55 x 3.35	6.9	20	M20
ILH..C	10.55 x 4.35	10.4	30	M20
ILH..CF	12.35 x 6.15	13.4	35	M20

## Approval

ATEX, IECEx

## Ordering Information

Example:

Quintherm tape family (ILH)

Nom. output 30W/m at 10°C

Supply voltage 220-277V AC (2)

Supply voltage 110-120V AC (1)

Tinned copper braid (C)

Fluoropolymer outerjacket (F)

ILH 30 2 C F/Qx

## Further Information

Please consult the installation instructions.

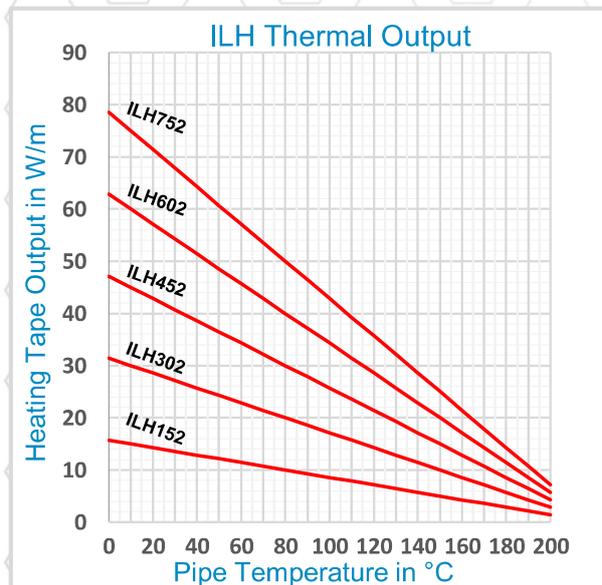
## Max. Cct Length (m) vs. MCB size (A)

Type	Start temp.	230V AC			
		10A	16A	20A	32A
ILH152..	+10°C	76	122	154	172
	0°C	70	112	140	172
	-20°C	62	98	122	172
	-40°C	52	82	102	164
ILH302..	+10°C	52	82	102	122
	0°C	46	74	92	122
	-20°C	40	66	82	122
	-40°C	34	54	68	110
ILH452..	+10°C	38	62	76	100
	0°C	34	56	70	100
	-20°C	30	50	62	98
	-40°C	22	34	44	70
ILH602..	+10°C	30	50	62	86
	0°C	28	44	56	86
	-20°C	20	32	40	62
	-40°C	12	18	24	38
ILH752..	+10°C	24	40	50	76
	0°C	18	30	38	60
	-20°C	14	22	26	42
	-40°C	8	12	16	26

For use with type "C" MCB in accordance with EN60898-2:2006

## Thermal Ratings

Nominal power output at 230V AC when ILH is installed on thermally insulated carbon steel pipes.



## Accessories

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