

- ⌚ *Automatically adjusts heat output in response to increasing or decreasing pipe temperature*
- ⌚ *Can be cut to length with no wastage*
- ⌚ *Will not overheat or burnout, even when overlapped*
- ⌚ *Approved for use in non-hazardous, hazardous and corrosive environments*
- ⌚ *Full range of controls and accessories*
- ⌚ *Available for 110 - 120 and 220 - 277VAC*

FEATURES

ILH is an industrial grade, self-regulating heating tape that can be used freeze protection or temperature maintenance to 110°C.

It can be cut to length on site and exact piping lengths can be matched without any complicated design considerations.

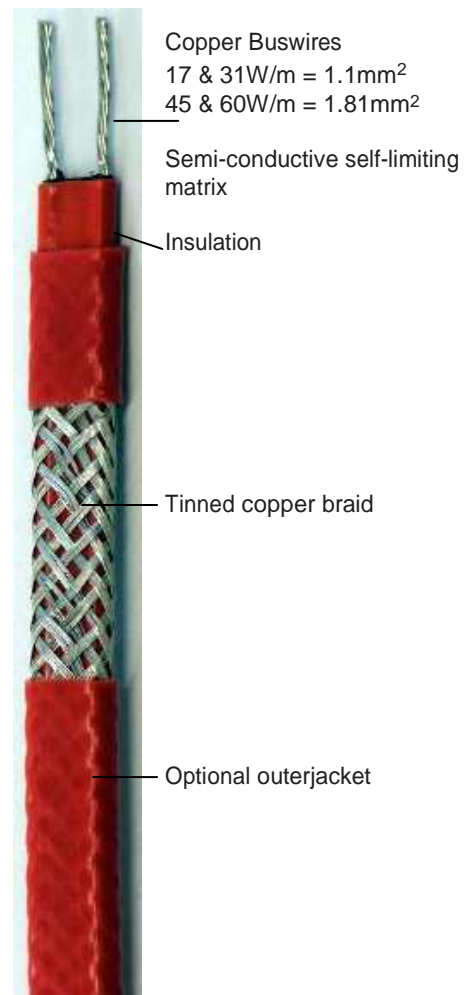
ILH is approved for use in non-hazardous, hazardous and corrosive environments to world wide standards.

Its self-regulating characteristics improve safety and reliability. ILH will not overheat or burnout, even when overlapped upon itself.

The installation of ILH heating tape is quick and simple and requires no special skills or tools. Termination, splicing and power connection components are all provided in convenient kits.

OPTIONS

- ILH .. C Tinned copper braid for non-hazardous areas, hazardous areas or where traced equipment does not provide an effective earth path, eg. plastic pipework
- ILH .. CT Thermoplastic outerjacket over tinned copper braid provides additional protection.
- ILH .. CF Fluoropolymer outerjacket over tinned copper braid provides protection where corrosive chemical solutions or vapours may be present.



SPECIFICATION







MAXIMUM TEMPERATURE	110°C (230°F)
MAX. PERMISSIBLE TEMPERATURE de-energised (1000 hrs cumulative)	135°C (275°F)
MINIMUM INSTALLATION TEMPERATURE	-30°C (-22°F) (CENELEC -20°C, -4°F)
TEMPERATURE CLASSIFICATION	up to 45W/m T4 (135°C) 60W/m T3 (200°C)
POWER SUPPLY	110 – 120VAC, 220 – 277VAC

MAXIMUM RESISTANCE OF PROTECTIVE BRAIDING	18.2 Ohm/km
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WEIGHTS & DIMENSIONS

Type Ref	Nom. Dims. (mm)	Weight kg/100m	Min. Bending radius	Gland Size
ILH 17,31	9.9 x 3.3	7.1	20mm	M20
ILH .. C	10.8 x 4.1	10.4	25mm	M20
ILH .. CF	12.0 x 5.3	13.9	30mm	M20
ILH 45,60	12.4 x 3.4	9.7	20mm	M20
ILH .. C	13.3 x 4.3	16.6	25mm	M20
ILH .. CF	14.6 x 5.6	17.1	30mm	M25

APPROVAL DETAILS

Testing Authority	Certificate No.	Standard
CENELEC 	SCS Ex 94D3079	EN50014 & EN50019
ATEX 	Sira 02ATEX3071	EN50014, EN50019 & IEC62086
IEC 	Sira 02Y3061	CFL IEC62086 & IEC60079-7
FM 	J.I.3YA0.AX (3770)	ANSI/IEEE Std 515
VDE 	114665	DIN VDE 0254
CSA 	214197-1295278	C22.2 No. 130.1 C22.2 No. 130.2 C22.2 No. 138
Lloyds Register	02/00062	EN50014, EN50019, BS6351, IEEE Std 515

Further approvals are available on request.

ORDERING INFORMATION

Example	ILH 45 2-C F
Quintherm ILH	_____
45W/m at 10°C	_____
Supply Voltage 220 - 277V AC	_____
Tinned Copper Braid	_____
Fluoropolymer Outer jacket	_____

ACCESSORIES

Heat Trace supply a complete range of accessories including termination/splice kits, end seals, junction boxes and controls. Such items carry separate approvals from the heating tapes. When used in hazardous areas, only use approved components.

MAXIMUM LENGTH (m) vs. CIRCUIT BREAKER SIZE

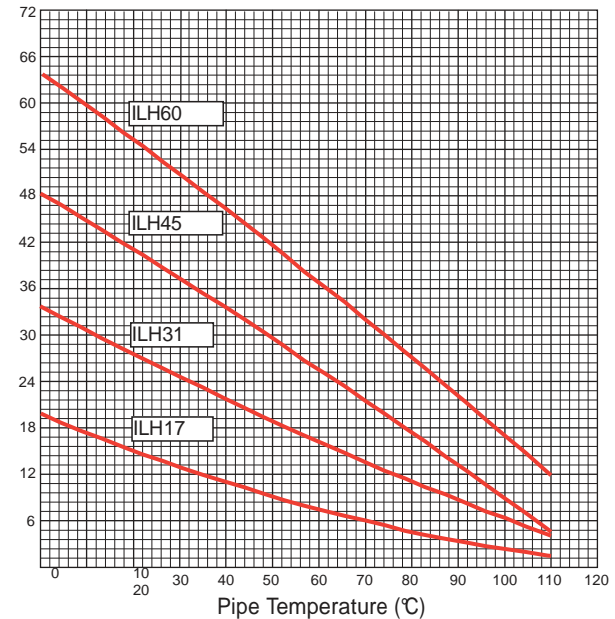
Cat Ref	Start-up Temperature	230V				
		6A	10A	16A	20A	25A
ILH17	10°C	60	100	154	-	-
	0°C	52	86	136	154	-
	-20°C	40	66	106	132	154
	-40°C	36	60	96	120	150
ILH31	10°C	38	64	102	110	-
	0°C	34	56	90	110	-
	-20°C	24	40	62	78	98
	-40°C	22	38	60	76	94
ILH45	10°C	22	38	60	76	96
	0°C	20	34	56	68	84
	-20°C	14	24	38	46	58
	-40°C	14	22	36	46	56
ILH60	10°C	20	34	52	66	82
	0°C	18	30	48	58	74
	-20°C	12	22	34	44	54
	-40°C	12	20	32	40	48

For use with Type C circuit breakers to BS EN60898:1991

THERMAL RATINGS

Nominal output at 115V or 230V when ILH is installed on insulated metal pipes.

W/m



FURTHER INFORMATION

Please consult the appropriate termination instructions and the Quintherm Installation, Maintenance and Testing Manual (IMEHT010) for further details. For VDE compliant heaters, please consult the installation principles for flexible electric heat tracing (TDS9078/001).



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