

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

High power outputs up to 90W/m

Full range of controls and accessories

Available for 220/240VAC (110/120VAC on demand)

FEATURES

ILS is an industrial grade, self-regulating heating tape that can be used for applications ranging from process heating or maintenance of temperatures up to 200°C.

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

ILS is used where high temperatures are required (up to 200°C) or where the heater must be capable of withstanding high exposure temperatures (up to 250°C* un-energised).

Its self-regulating characteristics improve safety and reliability. ILS will not overheat or burnout.

The installation of ILS 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.

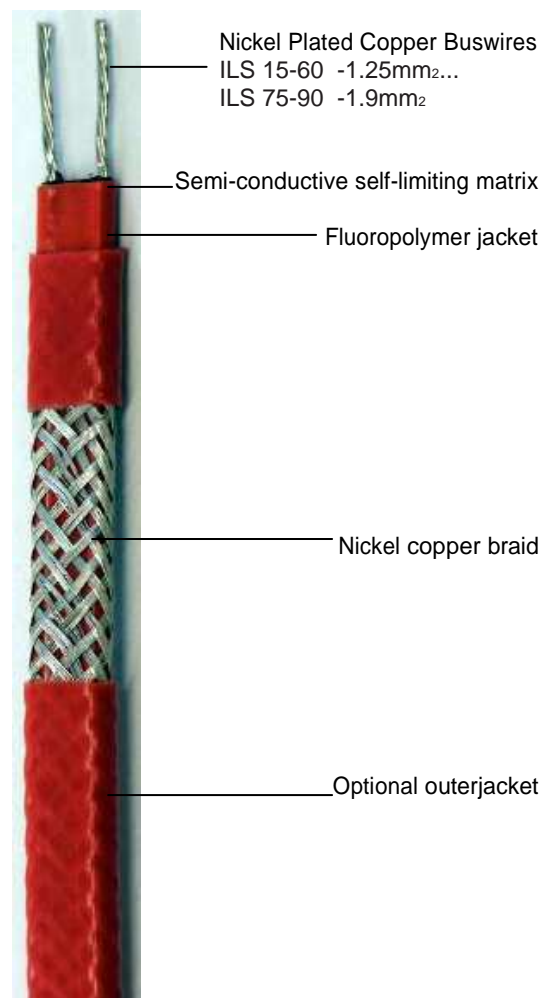
* 240°C only in hazardous areas

OPTIONS

ILS Unbraided base heater protected against corrosive chemical solutions and vapours. Heaters must have additional protection from mechanical damage in service.

ILS..N Nickel plated braid for where traced equipment does not provide an effective earth path, eg. plastic pipework. Heaters must have additional protection from mechanical damage in service.

ILS..NF Fluoropolymer outerjacket over nickel plated braid provides additional protection where corrosive chemical solutions or vapours may be present.



SPECIFICATION

MAXIMUM CONTINUOUS TEMPERATURE (energised) 200°C (392°F)

MAXIMUM PERMISSIBLE EXPOSURE TEMPERATURE 250°C (482°F)*
*240°C only in hazardous areas

MINIMUM INSTALLATION TEMPERATURE -40°C (-40°F)

TEMPERATURE CLASSIFICATION T2 (300°C)

POWER SUPPLY 220 - 240 VAC
 (110 - 120 VAC on demand)




MAXIMUM RESISTANCE OF PROTECTIVE BRAIDING 18.2 Ohm/km

WEIGHTS & DIMENSIONS

Type Ref	Nom. Dims. (mm)	Weight kg/100m	Min. Bending radius @ -20°C	Gland Size
ILS	10.4 x 3.4	7.6	20 mm	M20
ILS..N	11.4 x 4.4	11.7	25 mm	M20
ILS..NF	12.2 x 5.2	15.4	30 mm	M20
ILS	12.4 x 3.4	9.5	20 mm	M20
ILS..N	13.4 x 4.4	13.7	25 mm	M20
ILS..NF	14.2 x 5.2	17.7	30 mm	M20

N denotes nickel plated copper braid

APPROVAL DETAILS

Testing Authority	Certificate No.	Standard
CENELEC 		EN60079-0/EN60079-7
ATEX 	02ATEX3012	EN60079-0/EN60079-7 IEC62086
CSA 	1295278	C22.2 No. 130.1 C22.2 No. 130.2 C22.2 No. 138

Standard Area Approval Zone 1 and Zone 2

ORDERING INFORMATION

Example ILS 45 2-NF
 ILS _____
 45° at 10°C _____
 Supply Voltage 220 - 240V AC _____
 Nickel Plated Copper Braid _____
 Fluoropolymer Outer Jacket _____

FURTHER INFORMATION

Please consult the appropriate termination instructions and the Heat Trace Installation, Maintenance and Testing Manual (IMEHT010) for further details.

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.

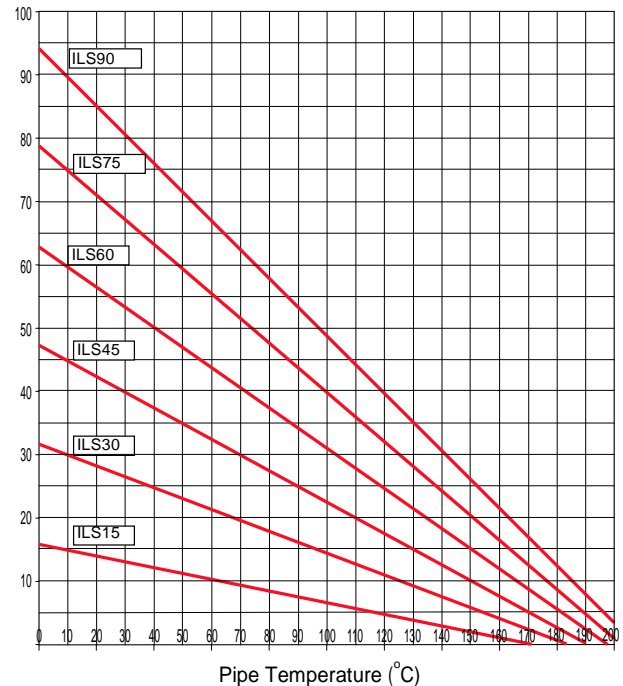
MAXIMUM LENGTH (m) vs. CIRCUIT BREAKER SIZE

Cat Ref	Start-up Temp	230V					
		6A	10A	16A	20A	25A	32A
ILS15	10°C	48	78	126	154	-	-
	0°C	46	76	120	150	154	-
	-20°C	40	68	108	136	154	-
ILS30	10°C	30	52	82	102	108	-
	0°C	30	48	78	96	108	-
	-20°C	26	44	70	88	108	-
ILS45	10°C	24	38	62	78	88	-
	0°C	22	36	58	74	88	-
	-20°C	20	34	52	66	82	88
ILS60	10°C	18	30	50	62	76	-
	0°C	18	30	46	58	72	76
	-20°C	16	26	42	52	66	76
ILS75	10°C	16	26	42	52	64	82
	0°C	14	24	40	48	60	78
	-20°C	14	22	36	44	54	70
ILS90	10°C	12	22	34	42	54	68
	0°C	12	20	32	40	50	64
	-20°C	10	18	30	36	46	58

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

THERMAL RATINGS

Nominal output @ 230V when installed on insulated metal pipe. W/m



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