


ILM...(CT/CF)

Electrical heating tape for frost protection or temperature maintenance of pipework and vessels in safe or hazardous locations.

Self-Regulating Heating Tape

100°C

- Automatically adjusts heat output in response to increasing or decreasing pipe temperature
- Will not overheat or burnout, even when overlapped
- Can be cut to length with no wastage
- Full range of controls, accessories and approvals
- Available for 220-277V AC (110-120V AC on request)
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Description

Quintherm ILM is an industrial grade self-regulating heating tape that can be used for freeze protection or temperature maintenance of pipework and vessels up to 100°C. It can be cut to length on site and exact piping lengths can be matched without any complicated design considerations.

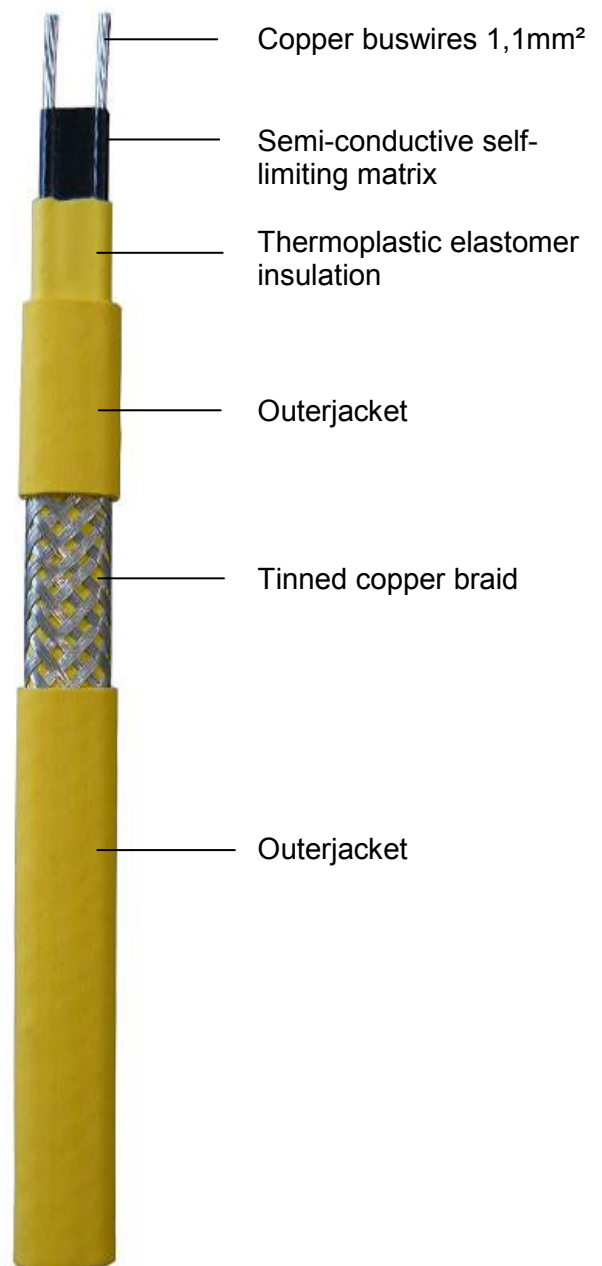
ILM is approved for use in non-hazardous and hazardous areas and corrosive environments according to world wide standards.

Its self-regulating characteristics improve safety and reliability. ILM will not overheat or burnout, even when overlapped upon itself. It's power output is self-regulated in response to the pipe temperature.

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

Options

- ILM... Basic heating tape without braiding and without outerjacket.
- ILM...C Tinned copper braid providing mechanical protection or where traced equipment does not provide an effective earth path. eg. plastic pipework.
- ILM...CT Thermoplastic outerjacket over tinned copper braid provides additional protection.
- ILM...CF Fluoropolymer outerjacket over tinned copper braid provides protection where corrosive chemical solutions or vapours may be present.



ILM...(CT/CF)

Technical Data

Maximum Continuous Exposure Temperature (Power ON)	100°C
Maximum Permissible Exposure Temperature (Power OFF)	100°C
Minimum Installation Temperature:	-40°C (CENELEC -20°C)
Power Supply:	220-277V AC
Temperature Classification:	T4 (135°C)
Maximum Resistance Of Protective Braiding:	≤ 18,2Ohm/km

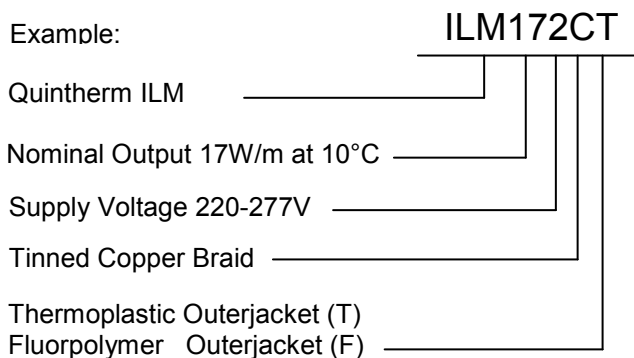
Type	Nominal Dimensions (mm)	Weight Kg/100m	Min. Bending Radius (mm)	Gland Size
ILM...CT	12,3 x 5,6	13,2	30	M20
ILM...CF	12,3 x 5,6	13,2	30	M20

Approval Details

Testing Authority	Certificate No.	Standard
	SIRA 02ATEX3076	EN60079-0 : 2009
	IECEx SIR 11.0126	IEC60079-0 : 2011
	02/00062	EN60079-0/-7 IEEE Std 515
	RU C- DE.ME92.B.00026	GOST R 51330.0-99 GOST R 51330.8-99

Ordering Information

Example:



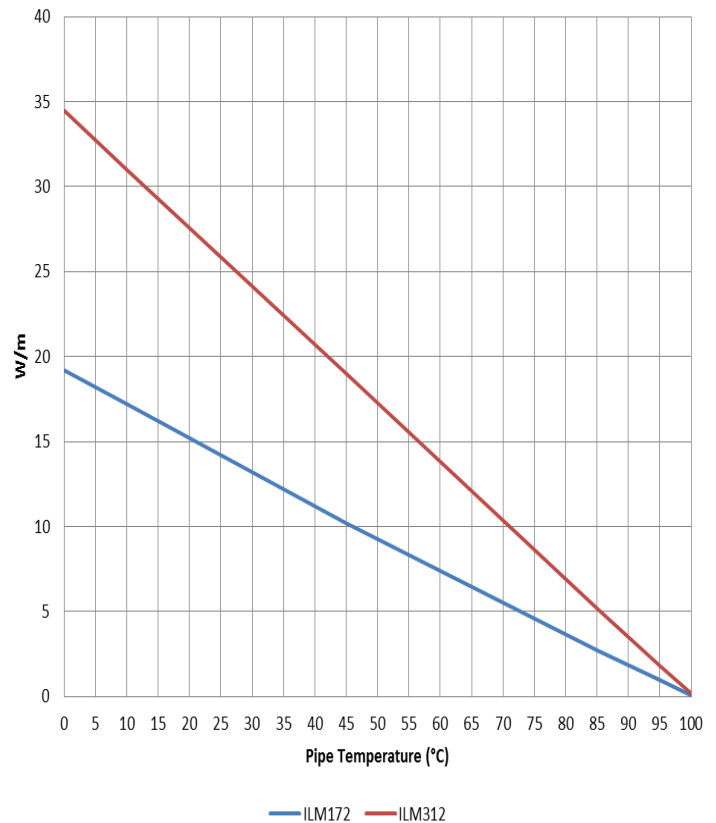
Max. Length (m) vs. Circuit Breaker Size

Type	Start-up Temp.	6A	10A	16A	20A
ILM172..	10°C	46	76	120	148
	0°C	36	62	98	122
	-20°C	24	42	66	102
	-40°C	16	28	44	56
ILM312..	10°C	32	52	82	104
	0°C	26	42	68	84
	-20°C	16	28	46	56
	-40°C	12	18	30	38

For use with Type C circuit breaker to EN60898:1991

Thermal Ratings

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



Accessories

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