

# ILM(w)... /Qx



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

100°C



- Automatically adjusts heat output in response to heated surface temperature.
- Can be cut-to-length with minimal wastage.
- Suitable for light industrial and commercial applications up to +100°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

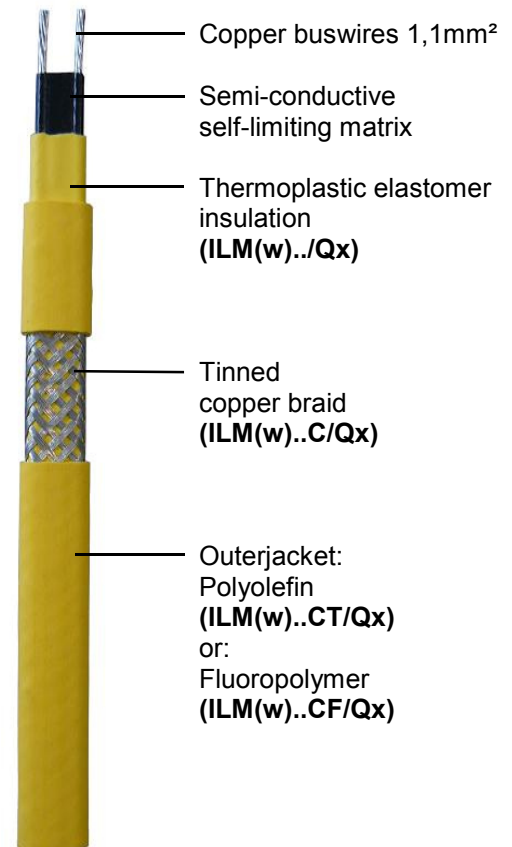
Quintherm ILM & ILMw is a medium industrial/commercial grade self-regulating heating tape that can be used for freeze protection or temperature maintenance of pipework or vessels in the construction and heavy industries up to and including 100°C which are not subject to steam cleaning.

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

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

Its self-regulating characteristics improve safety and reliability. ILM & ILMw 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.

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



## Available Options

- ILM(w)../Qx** Base heating tape without any braiding or outerjacket. (only for non-Ex applications) *(available upon special request)*
- ILM(w)..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)*
- ILM(w)..CT/Qx** Base heating tape with tinned copper braid and thermoplastic outerjacket for added mechanical and light chemical protection.
- ILM(w)..CF/Qx** Base heating tape with tinned copper braid and fluoropolymer outerjacket for added mechanical and aggressive chemical protection.

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## Technical Data

Max. Allowed Exposure Temperature:

Power On: 100°C  
Power Off: 100°C

Min. Installation Temperature: -40°C

Min. Operating Temperature: -65°C

Power Supply: 220-277VAC

Max. Resistance of Protective Braiding:  $\leq 18,2 \Omega/\text{km}$

Temperature Class.: T4 = ILM17... and ILM31...  
T3 = ILMw45... and ILMw60...

Weights and Dimensions:

Type	Dimensions Nominal (mm)	Weight kg/100 m	Min. Bending Radius (mm)	Gland Size
ILM..	10,5 x 3,75	5,7	25	M20
ILM..C	11,5 x 4,75	9,5	30	M20
ILM..CT	12,7 x 5,95	11,8	35	M20
ILM..CF	12,7 x 5,95	12,6	35	M20
ILMw..	13,2 x 4,3	8,7	25	M20
ILMw..C	14,2 x 5,3	12,9	30	M20
ILMw..CT	15,4 x 6,5	15,7	40	M25
ILMw..CF	15,4 x 6,5	16,6	40	M25

## Approvals



## Ordering Information

Example: ILMw 45 2 C F/Qx

Quintherm Tape Family (ILM(w))

Nominal Output 45W/m at 10°C

Supply Voltage 220-277V AC (2)  
Supply Voltage 110-120V AC (1)

Tinned Copper Braid (C)

Polyolefin Outerjacket (T)  
Fluoropolymer Outerjacket (F)

## Further Information

Please consult the installation instructions.

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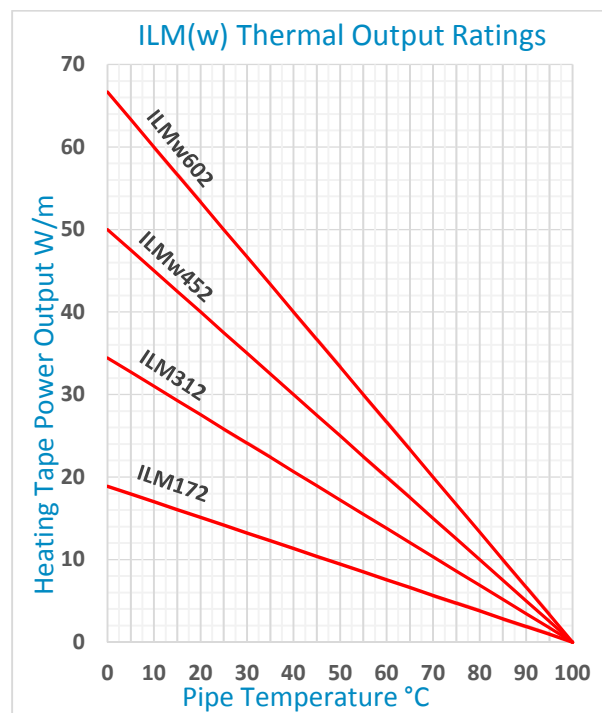
## Max. Cct Length (m) vs. MCB Size (A)

Type	Start Temp.	230V AC			
		10A	16A	20A	25A
ILM172..	+10°C	76	120	148	
	0°C	62	98	122	148
	-20°C	42	66	82	102
	-40°C	28	44	56	68
ILM312..	+10°C	52	82	104	110
	0°C	42	68	84	106
	-20°C	28	46	56	70
	-40°C	18	30	38	48
ILMw452..	+10°C	38	62	76	96
	0°C	32	50	64	80
	-20°C	22	34	42	52
	-40°C	14	22	28	34
ILMw602..	+10°C	35	52	66	82
	0°C	28	44	56	70
	-20°C	20	32	40	50
	-40°C	14	22	28	34

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

## Thermal Ratings

Nominal Power Output at 230V AC, when ILM(w) 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.