

MAGNUM Trace Micro

Self regulating heating ribbon < 65°C

MAGNUM Trace Micro - MTM is an industrial, self-regulating heating ribbon that can be used for protection against freezing or for temperature regulation in tubes and on vehicles. It is particularly suitable for use on pipes and instruments with small diameters. It can also be cut to size on site, so that it fits exactly on the pipes, without having to take complicated design into account. Due to the self regulating properties, safety and reliability are increased. The MTM does not overheat or burn, even when it overlaps itself. The current regulates itself according to the temperature in the tube. MTM is available with a stainless, thermoplastic outer jacket and, if greater corrosion resistance is required, with a fluoropolymer outer jacket (MTM-Fluoropolymer).

Applications

Cold water pipelines
Drains
Sprinkler systems

Additional Information

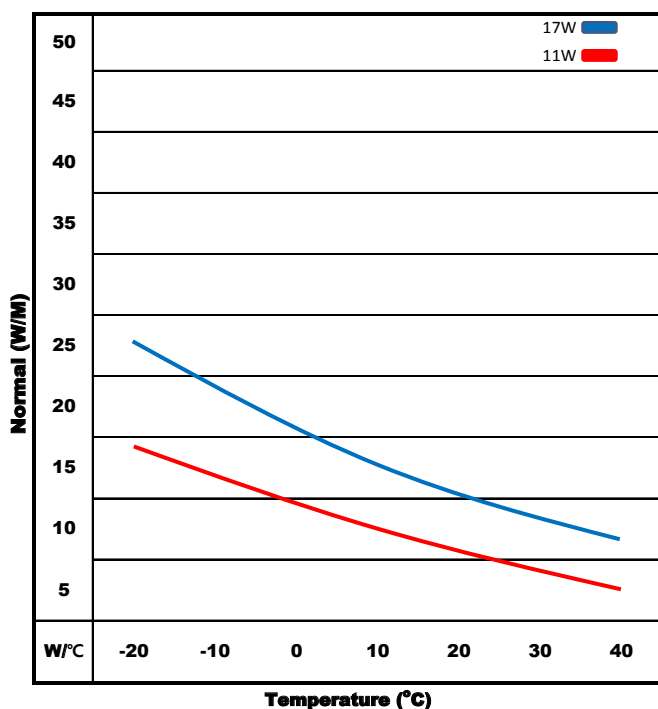
The amount of heat loss depends on the diameter of the pipeline, ambient temperature and flow rate of the fluid. Additional insulation is recommended. The use of a temperature controller reduces energy consumption.

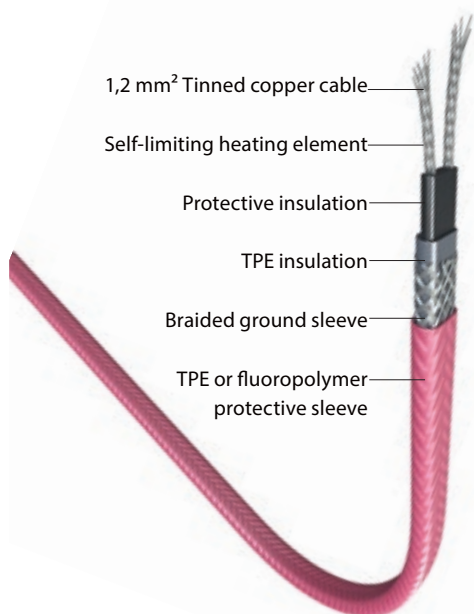
For a heat loss calculation and applicable cable, please contact the calculation department of MAGNUM Heating.



Specifications

Max. temperature	65°C
Min. operating temperature	-30°C
Max. resistance	18 Ohm/km
Nominal voltage	230V
Outer jacket	Tinned copper
Coating	Thermoplastic or Fluoropolymer
Water resistant	100%
Dimensions	8 x 5 mm
Min. bending radius	25 mm
Weight	7 kg/100 m
Color	MTM 11 & 17 Watt (Red) MTM 11 & 17 Watt Fluoropolymer (Blue)
Certification	CE /RU, according to DIN EN 62395-1
Warranty	2 year





Technical details

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Installation methods

- Check whether all necessary materials and tools are present at the construction site.
- Inspect the pipe, gutter or surface to be heated, deburring any unevenness and sharp edges or removing the sharp edges with tape.
- Remove any unevenness and sharp edges or remove the sharp edges with tape.
- Clean and dry gutters before laying the heating cable.
- Allow painted and coated pipes and surfaces to become completely dry before commencing installation.

Max. recommended cable length at 230V using Type-C relays:

Categorie Referentie	Switch Temp.	230V		
		6A	10A	16A
11MTM	5°C	70 m	100 m	110 m
	0°C	65 m	95 m	105 m
	-20°C	44 m	77 m	90 m
	-30°C	38 m	67 m	80 m
17MTM	5°C	39 m	60 m	70 m
	0°C	37 m	58 m	65 m
	-20°C	25 m	44 m	50 m
	-30°C	23 m	41 m	47 m

ATTENTION: Heating cables in combination with drinking water pipelines must be thermostatically controlled at all times.



Fluoropolymer

Art.nr.	Description	Length	Power per metre	Volt
150211	MAGNUM Trace Micro 11	Per metre	11 Watt @ 10°C	230V
150411	MAGNUM Trace Micro 11	Roll 25 metres	11 Watt @ 10°C	230V
150511	MAGNUM Trace Micro 11	Roll 50 metres	11 Watt @ 10°C	230V
150611	MAGNUM Trace Micro 11	Roll 100 metres	11 Watt @ 10°C	230V
150217	MAGNUM Trace Micro 17	Per metre	17 Watt @ 10°C	230V
150417	MAGNUM Trace Micro 17	Roll 25 metres	17 Watt @ 10°C	230V
150517	MAGNUM Trace Micro 17	Roll 50 metres	17 Watt @ 10°C	230V
150617	MAGNUM Trace Micro 17	Roll 100 metres	17 Watt @ 10°C	230V

Art.nr.	Description	Length	Power per metre	Volt
150311	MAGNUM Trace Micro Fluoropolymer	Per metre	11 Watt @ 10°C	230V
150317	MAGNUM Trace Micro Fluoropolymer	Per metre	17 Watt @ 10°C	230V