

## MAGNUM Trace Water

### Self-regulating heating ribbon for water pipes < 65°C

MAGNUM Trace Water (MTW) is a self-regulating heating ribbon that can be used for frost protection in indoor and outdoor water pipes. It can be cut to size on-site to fit the pipework exactly, without the need for complex design. The self-regulating properties increase safety and reliability by adjusting the heat output to the temperature in the pipes.

MAGNUM Trace Water is equipped with a polyolefin outer casing that meets all requirements and can therefore be used safely in combination with drinking water.

#### 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.

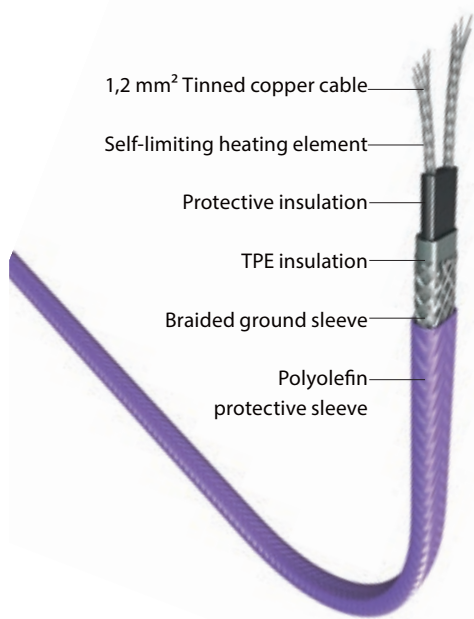


Trace Water Set

#### Specifications

Max. temperature	Without voltage 65°C
Min. operating temperature	-40°C
Max. resistance	18 Ohm/km
Max. cable length	100 m with 16A circuit breaker
Nominal voltage	230V
Outer jacket	Tinned copper
Coating	Polyolefin
Water resistant	100%
Dimensions	8 x 5,9 mm
Min. bending radius	25 mm
Weight	7,3 kg/100 m
Color	Violet
Certification	CE according to DIN EN 62395-1
Warranty	2 year





## Technical details

- |                              |                                |
|------------------------------|--------------------------------|
| • Max. temperature           | Without voltage 65°C           |
| • Min. operating temperature | - 40°C                         |
| • Max. resistance            | 18 Ohm/km                      |
| • Max. cable length          | 100 m with 16A circuit breaker |
| • Nominal voltage            | 230V                           |
| • Outer jacket               | Tinned copper                  |
| • Coating                    | Polyolefin                     |
| • Water resistant            | 100%                           |
| • Dimensions                 | 8 x 5,9 mm                     |
| • Min. bending radius        | 25 mm                          |
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| • Color                      | Violet                         |
| • Certification              | CE according to DIN EN 62395-1 |
| • Warranty                   | 2 year                         |

### 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.

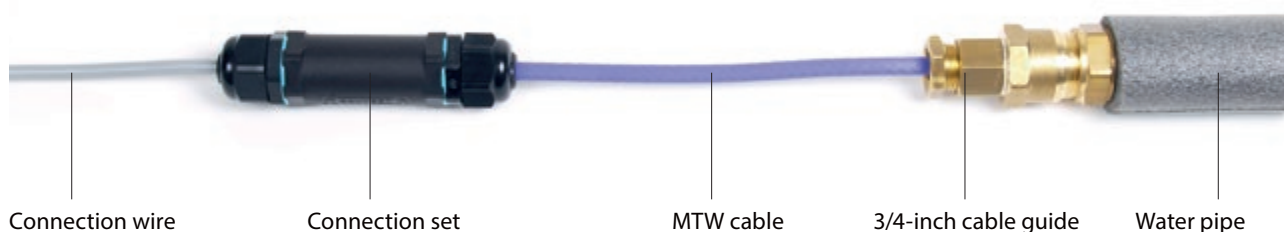
### Set contents

Ready-to-use heating elements incl.:

- MTW self-regulating cable with end seal
- 3/4-inch copper cable conductor/conduit connection
- Connection set for power supply

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

### Complete installation of an MTW Kit:



Art.nr.	Description	Length	Power per metre	Volt
159000	MAGNUM Trace Water	Per metre	10 Watt @ 10°C	230V
Art.nr.	Description	Length	Power per metre	Volt
159002	MAGNUM Trace Water Set	2 m	20 Watt @ 10°C	230V
159003	MAGNUM Trace Water Set	3 m	30 Watt @ 10°C	230V
159004	MAGNUM Trace Water Set	4 m	40 Watt @ 10°C	230V
159005	MAGNUM Trace Water Set	5 m	50 Watt @ 10°C	230V
159006	MAGNUM Trace Water Set	6 m	60 Watt @ 10°C	230V
159008	MAGNUM Trace Water Set	8 m	80 Watt @ 10°C	230V
159010	MAGNUM Trace Water Set	10 m	100 Watt @ 10°C	230V
159013	MAGNUM Trace Water Set	13 m	130 Watt @ 10°C	230V
159020	MAGNUM Trace Water Set	20 m	200 Watt @ 10°C	230V
159025	MAGNUM Trace Water Set	25 m	250 Watt @ 10°C	230V