

# Self-Regulating Heating Cable VTM

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VTM is an industrial-grade self-regulating heating cable that can be used for freeze protection of pipelines and vessels.

The power output adjusts automatically in response to the ambient temperature.

Due to its self-regulating characteristics it will not overheat even when the cable is overlapped. This guarantees maximum safety and reliability.

Installation of VTM heating cable is quick and simple and requires no special skills or tools. Thanks to its parallel construction the heating cable can be fitted on site to exact length without any complicated design calculations.

Termination, splicing and power connection components are available in convenient kits.

## Features

- 15 W/m
- Self-regulating, automatically adjusts power output in response to ambient temperature
- Thermoplastic outer jacket
- Easy to install
- Can be cut to required length on site without any complicated design calculations
- Will not overheat even when overlapped
- UV-resistant
- VDE certified

## Application Areas

- Freeze protection of pipelines and vessels (non-Ex)



## Construction

1. 0.56 mm<sup>2</sup> nickel-plated copper conductors
2. Semi-conductive self-regulating matrix
3. Matrix insulation
4. Tinned copper braid
5. Thermoplastic outer jacket

# Self-Regulating Heating Cables

## Technical Data

Rated voltage	230 VAC
Maximum continuous operating temperature (trace heater energized)	+65 °C
Maximum continuous exposure temperature (trace heater de-energized)	+85 °C
Ambient temperature range	-60 ... +55 °C
Minimum installation temperature: Thermoplastic outer jacket	-30 °C
Minimum bending radius	25 mm
Maximum braiding resistance	10 Ohm/km
Conductor cross-section	0.56 mm <sup>2</sup>
Dimension: Thermoplastic elastomer outer jacket, braiding	9,00 × 5.80 mm
Weight: Thermoplastic elastomer outer jacket, braiding	91 kg/km

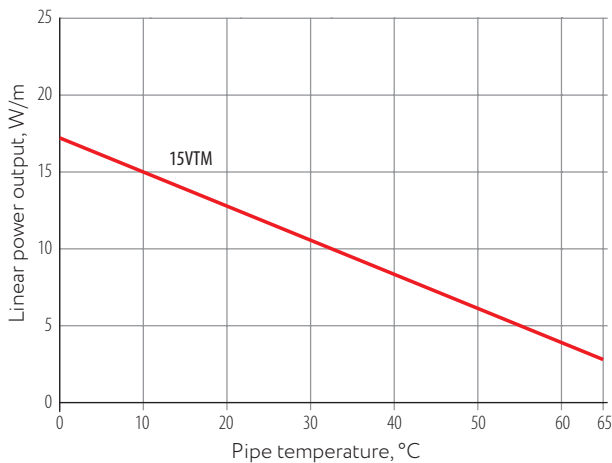
## Maximum Heating Circuit Length

For use with type C circuit breakers according to IEC 60898-1:2015

Type	Turn-on temperature, °C	Heating circuit length/m at 230 VAC 10A
15VTM	10	68
	-20	49

## Power Output Curve

Nominal power output at rated voltage 230 VAC



## Approvals



## Marking

Example: 15VTM-BT



1. Linear power output, W/m at +10 °C
2. Cable type
3. Screen type: B - Tinned copper wire braiding
4. Outer jacket material: T - Thermoplastic elastomer

## Types

Outer jacket type	Order code	Outer jacket color	Name	Power output, W/m
Thermoplastic elastomer outer jacket, braiding	210100003	Black	15VTM-BT 15	