



High Quality Products

Self-Regulating Heating Tape

## Type: HTSL



HTSL is an industrial-grade self-regulating heating tape that can be used for temperature maintenance or freeze protection of pipelines and vessels. It can be used in non-hazardous areas.

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 HTSL heating tape is quick and simple and requires no special skills or tools. Thanks to its parallel construction the heating tape can be fitted on site to exact length without any complicated design calculation.

## Features



**10, 20, 33 W/m**

- Self-regulating, automatically adjusts power
- output in response to ambient temperature
- Polyolefin outer jacket
- Easy to install
- Can be cut to required length on site without any complicated design calculations
- Will not overheat even when overlapped
- Can be used in explosive environments without temperature limiter
- Full range of accessories available

## Application Areas

- Temperature maintenance or freeze protection of pipelines and vessels in non-hazardous areas



## Construction

1. • 1.25 mm<sup>2</sup> nickel-plated copper conductors
2. • Semi-conductive self-regulating matrix
3. • Matrix insulation
4. • Tinned copper braid
5. • Polyolefin outer jacket

# Self-Regulating Heating Tape

## 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	-30°C
Minimum bending radius	25 mm
Maximum braiding resistance	10 Ohm/km
Conductor cross-section	1.25mm <sup>2</sup>
Dimensions	13.2 x 6.1mm
Weight	141 kg/km

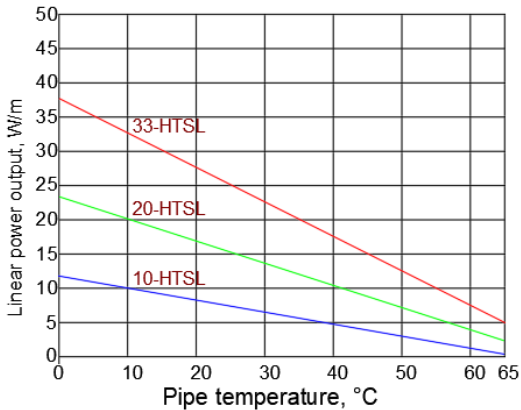
## Maximum Heating Circuit Length

For use with type "C" circuit breakers according to IEC60898-1:2015

Type Part. No.	Turn-on temperature °C	Heating circuit length/m at 230 VAC		
		16A	20A	32A
10-HTSL-2-P	10	205	-	-
19300010	-20	123	165	195
20-HTSL-2-P	10	116	140	-
19300020	-20	60	80	115
33-HTSL-2-P	10	70	90	108
19300033	-20	45	58	85

## Power Output Curve

Nominal power output at rated voltage 230VAC



## Marking

Example: 33 HTSL-2-P

Linear power output, W/m at 10°C

Tape Type

Supply voltage: 2 = 230VAC

Outer jacket material: P - Polyolefin

## Accessories:

Description	Type	Part No.
Direct Connection Kit	MiL-BM-A1	19000001
Connection Set to connect with flexible Power Cable	MiL-BM-V1	19000002
Flexible Power Cable	H07RN-F (3 x 1,5mm <sup>2</sup> )	370031



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