

HTA

- Automatically adjusts heat output in response to increasing or decreasing pipe temperature
- Can be cut to required length without damage to its properties
- Will not overheat or burnout even if self-overlapped

Self-regulating electrical heating tape for freeze protection or temperature maintenance of pipelines and vessels in safe and hazardous areas

- Full range of controls and accessories
- Approved for use in safe, hazardous and corrosive environments
- Operating voltage 220–240 VAC (110–120 VAC on request)



1. 1.0 mm² Tinned copper conductors
2. Semi-conductive self-limiting matrix
3. Thermoplastic elastomer insulation
4. Tinned copper braid
5. Optional outer jacket

Design options

- HTA...BT The thermoplastic elastomer outer jacket over tinned copper braid or combined braid ensures additional protection.
- HTA...BP Fluoroplastic outer jacket over tinned copper braid provides protection where corrosive chemical solutions or vapors may be present (available on order).

Features

HTA is an industrial grade self-regulating heating tape that can be used for freeze protection or temperature maintenance of pipelines and vessels

It can be cut to length on site and exact piping length can be matched without any complicated design considerations.

Internal matrix insulation forming with it a single unit provides additional protection against moisture

HTA is certified for use in safe and explosion hazardous environments against international standards as well as GOST R 51330 and GOST R IEC 62086 standards

Its self-regulating characteristics improve safety and reliability. HTA will not overheat or burnout even when overlapped upon itself. The heat output adjusts automatically in response to temperature change

The installation of HTA heating tape is quick and simple and requires no special skills or tools. Termination, splicing and power connection components are all provided in convenient kits

Technical data

Maximum temperature	65 °C
Maximum allowable temperature de-energized (1000 hours cumulative)	85 °C
Ambient temperature range	-60...+55 °C
Minimum installation temperature	-60 °C
Power supply (110–120 VAC on request)	220–240 VAC
Temperature classification	T6
Maximum resistance of the protective braid, not more than	10 Ohm/km

Dimensions and weights

Type	Nominal dimensions, mm	Weight, kg/100 m	Minimum bending radius*, mm
HTA...BT	10.7×6.3	10.96	35
HTA...BP	10.5×5.9	11.61	35

* The minimum bending radius at -20 °C is shown.

Approval details



Certificate of conformity IEC Ex for self-regulating heating tapes NdEEx CCVE 12.0002X.



Certificate of conformity to the requirements of Customs Union Technical Regulation No. 012/2011 «On safety of equipment intended for use in explosive atmospheres» TC RU C-RUБ05B.0528 for self-regulating heating tapes with explosion protection marking 1Ex e IIC T3...T6 Gb X.



Certificate of Conformity to Technical Regulations on Fire Safety for self-regulating heating tapes No. C-RУБ37.B.01460.

Ordering information

Example: 25HTA2-BT

Linear power output 25 W/m (according to IEC 60079-1-30)
 Type of self-regulating heating tape: HT—low temperature
 Tape design version: A – for commercial use
 Supply voltage: 1 – 110–120 VAC, 2 – 220–240 VAC
 Braid material: B – tinned copper wire
 Outer jacket material: T – thermoplastic elastomer, P – fluoropolymer

Maximum length of heating section, m

(or overall length of sections of the same type, connected in parallel) vs circuit breaker type

Type	Turn-on temperature, °C	230 V	
		10 A	16 A
15HTA	10	104	136
	-15	69	89
	-20	58	78
20HTA	10	79	110
	-15	49	71
	-20	42	58
25HTA	10	60	83
	-15	39	56
	-20	32	47

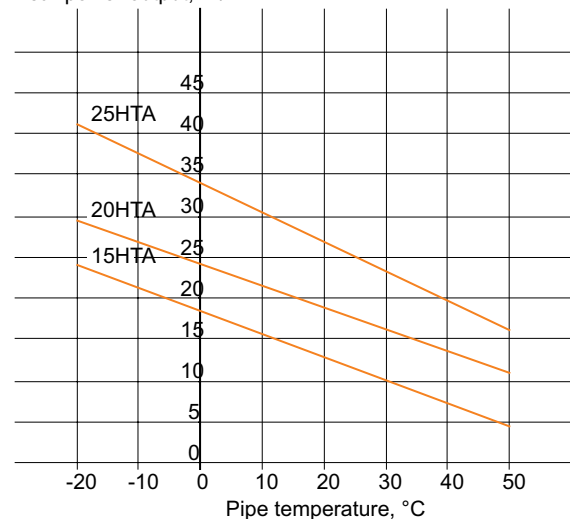
For use with type C circuit breakers according to GOST R 50345-2010 (IEC 60898-1:2003)

*An inrush current (starting current) appears at the moment of turning on the heating section. The current value stabilizes within 5 minutes after turning on. Maximum starting current can be 5–6 times higher than the rated current value of the circuit breaker

Thermal ratings

Nominal heat output at operating voltage 115 V or 230 V, when self-regulating heating tapes operate in normal conditions.

Linear power output, W/m



Accessories

A range of accessories includes component parts for power supply, splice and termination of the heating tape and a control unit. We recommend using original accessories made by SST Company to ensure trouble-free operation and meeting safety standards and requirements.