

# BST, KST and HST

## Self-Regulating Heating Cable

The heat output of BST, KST and HST self-regulating cables varies in response to the surrounding conditions along the entire length of a circuit.

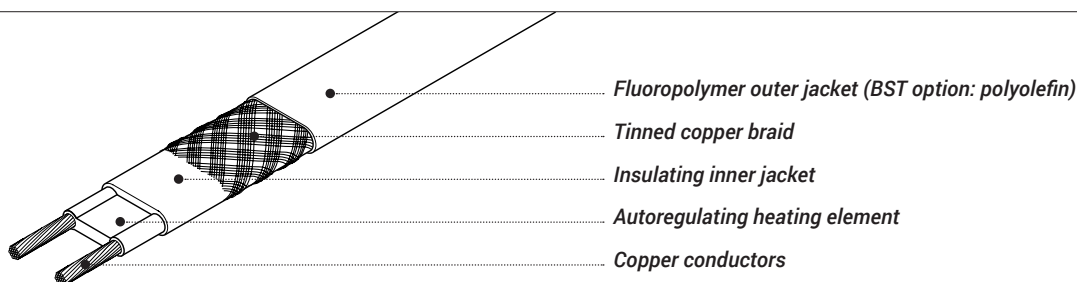
Whenever the ambient temperature drops, the heat output of the cable increases and conversely. This allows cables to overlap without creating hot spots. This system also adjusts the temperature variations due to stagnant liquids and height differences (vertical piping).

- Freeze protection
- Temperature maintenance
- Insures viscosity control
- Protects from condensation

## Features

- BST: piping, tanks and small to medium equipment  
2 types of outer jackets: polyolefin (basic) or fluoropolymer (provides additional protection where exposure to organic chemicals or corrosives is expected)
- KST: large pipes (or ATEX zone 4 equipment)
- HST: high exposure temperatures (steam cleaning)
- Cable in standard coils
- Cold or thermo-shrink kits

## Visual Description



## Benefits

- Simplified installation
- Cut to length on-site
- Cables can cross
- Homogeneous temperatures
- Unconditional maximum temperatures

## Technical Data

References	BST	KST	HST
Available Watt densities	9, 15, 25, 32 W/m	48, 64 W/m	9, 18, 27, 37, 48, 64 W/m
Nominal voltage supply	230 Vac	230 Vac	230 Vac
Maximum maintenance temperature	65°C	110°C	120°C
Maximum continuous temperature exposure	Power-off: 85°C	Continuous power-on: 121°	215°C power-on (off and on) 250°C power-off (off and on) 205°C power-off (indefinitely)
Maximum circuit length	Up to 220 m	Up to 165 m	Up to 215 m
Minimum installation temperature	-60°C	-60°C	-60°C
Minimum bend radius at	32 mm	32 mm	32 mm
Temperature rating (depending on study)	T6	T3 à T6	T2 ou T3

- Withstands continuous flammability testing according to IEC 603322-1: 1993
- Accessories tested according to ozone stability, UV and flammability according to ISO/IEC requirements
- Usage zones: ordinary, hazardous, zone 1, zone 2, zone 21 and zone 22



BST: II 2 G/D EEx e II T5 or T6

KST: II 2 G/D Ex e II T3 to T6

HST: II 2 G/D EEx e II T3

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