

SELF LIMITING HEATING CABLE

ESR™-H-BOT

HIGH TEMPERATURE HEATING CABLE (120°C / 200°C) FOR PIPE, TANK, CORROSIVE ATMOSPHERE...

The ESR™-H-BOT serie is a self-limiting heating tape that is suitable for freeze protection and for temperature maintenance in applications up to 120 °C.

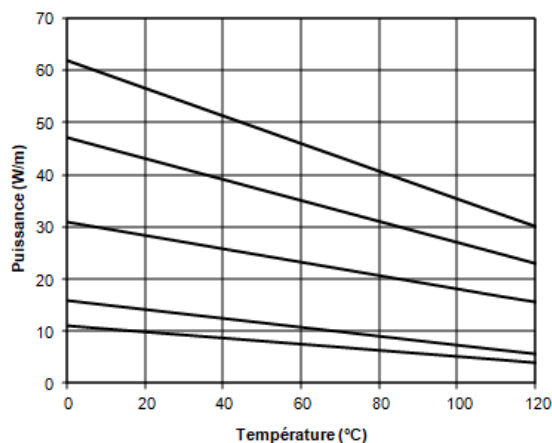
It allows steam cleaning in pipes. The heating element, the insulation and the outer jacket of the ESR-H-BOT are made of fluoropolymers.

The Fluoropolymer is Used as an outer jacket, this material offers increased protection against chemicals and abrasion.

The heating power of the conductive heating element increases or decreases depending on the ambient temperature. The self-limitation takes effect at every point along the heating tape. The heating power adapts to the varying ambient temperatures.

DESCRIPTION

- 1- Copper, nickel-coated 1.23mm²
- 2- Heating element: Conductive fluoropolymer
- 3- Fluoropolymer
- 4- Braid
- 5- Fluoropolymer Overjacket



Reference	Designation	Power	Dimension
ESR-H-BOT-10	ESR-H-2-BOT-10	10 W/m at 10°C	10.20×4.80 (mm)
ESR-H-BOT-15	ESR-H-2-BOT-15	15 W/m at 10°C	10.20×4.80 (mm)
ESR-H-BOT-30	ESR-H-2-BOT-30	30 W/m at 10°C	10.20×4.80 (mm)
ESR-H-BOT-45	ESR-H-2-BOT-45	45 W/m at 10°C	10.20×4.80 (mm)
ESR-H-BOT-60	ESR-H-2-BOT-60	60 W/m at 10°C	10.20×4.80 (mm)

DATASHEET

Nominal Voltage: 230V
 Tolerances: +/-2.5W
 Maximum exposure temperature (energised): 120°C
 Maximum exposure temperature (deenergised): 200°C
 Temperature Class: T3 (T2 for 60w/m)
 Minimum Bending Radius: 25mm
 Minimum installation temperature: -40°C

Maximum length circuit:
 ESR-H-2-BOT-10..... 205 m
 ESR-H-2-BOT-15..... 190 m
 ESR-H-2-BOT-30..... 115 m
 ESR-H-2-BOT-45..... 85 m
 ESR-H-2-BOT-60..... 65 m
 Weight approx.: 120 kg/km

QUALIFICATION

ATEX, EAC, CE, IP67



CIRCUIT LENGTH*

DESIGNATION	STARTING TEMPERATURE (°C)	MAXIMUM LENGTH (m)		
		16A	20A	32A
ESR-H-BOT-10	-25	175	205	-
	10	200	205	-
ESR-H-BOT-15	-20	120	152	190
	10	165	190	-
ESR-H-BOT-30	-20	70	92	115
	10	85	114	-
ESR-H-BOT-45	-20	50	66	80
	10	70	80	-
ESR-H-BOT-60	-20	38	52	65
	10	50	65	-

*Maximum Circuit lengths with ELCB curve C

The protection of each circuit shall be in accordance with NF C 15-100.

The protection of persons is ensured by a residual current of 30 mA maximum for each 7.5 kilowatts maximum. The heaters are supplied at 230 volts.

PACKING

Standard length stored on reel: 500m / Box: 100m

PRINTING

All cables are printed in order to ensure the product tracability.

INSTALLATION

ELTRACE self-regulating cables must be installed according to standards prevailing at the date of installation (technical requirements specification for implementation of NF C 15-100, VDE ...) where they apply, and the recommendations of use.

ADDITIONAL PRODUCTS

Reference	Non-ATEX	ATEX
Connexion	TRASSACLIP ELQC, ELKSR-H1	TRASSACLIP ELKSR-H1-e
Junction Boxes	ELBE-6, ELBE-8, ELBE-10	ELBA-5-e, ELBA-1-e-v, ELBA-4-e-v
Pipe bracket	ELSP-x, ELSP-P2/F, ELSP-P3	ELSP-2, ELSP-3, ELSP-4, ELSP-5, ELSP-PU, ELSP-P2/F, ELSP-P3
Thermostats	ELTE-x, ELTH-Ax, ELTH-1S, ELTH-2	ETLH-THERM-ATx
Fixing tape	ELAA ELTV	ELAA ELTV
Heat Lagging Output	ELSC, ELSC-E, ELSC-B	ELSC-E
Adhesive Label	ELET	ELET