

SELF LIMITING HEATING CABLE

ESR™-BOT

POUR LA PROTECTION CONTRE LE GEL ET LE MAINTIEN EN BASSE TEMPÉRATURE DE TUYAUTERIES, RÉSERVOIRS, CHÉNEAUX, VANNES, EN ATMOSPHÈRE CORROSIVE...

The ESR-BOT tape is a self-limiting heating tape for applications for general protection against freezing in pipes. An additional layer connected to the heating element (bonded jacket) increases the effect of the electrical insulation and provides additional protection against moisture.

Fluoropolymer is used as an outer jacket, this material offers increased protection against chemicals and abrasion. Fluoropolymers are also UV-resistant.

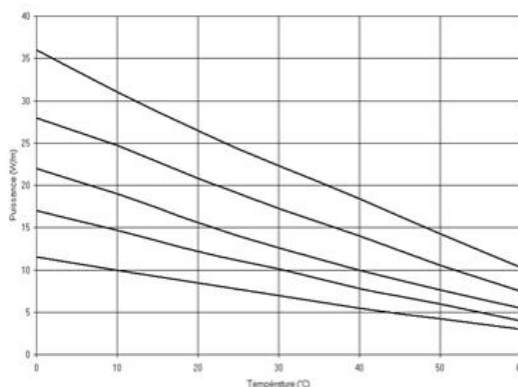
When it is cold, the polymer shrinks and facilitates the flow of current, thereby increasing the temperature of the cable. As it gets warmer, the polymer expands and prevents the current: the Self Regulating cable heats less than before.

Finally, a « parallel » technology allows the cable to be cut to desired length directly on the site. Exact fit the length of heating cable for your needs.

The Box storage system on coil allows easy handling, quick and convenient. This product is in stock and can be used with the fast connector system DOMOCLICK™

DESCRIPTION

1. Bus wire Cu nickel-plated (2x1.25mm²)
2. Self limiting heating element, Matrix
3. Insulation
4. Braid
5. Fluoropolymer overjacket



Reference	Designation	Power	Dimension
ESR-10-BOT	ESR-2-BOT-10	10 W/m at 10°C	11.50×5.50 (mm)
ESR-15-BOT	ESR-2-BOT-15	15 W/m at 10°C	11.50×5.50 (mm)
ESR-20-BOT	ESR-2-BOT-20	20 W/m at 10°C	11.50×5.50 (mm)
ESR-25-BOT	ESR-2-BOT-25	25 W/m at 10°C	11.50×5.50 (mm)
ESR-30-BOT	ESR-2-BOT-30	33 W/m at 10°C	11.50×5.50 (mm)

DATASHEET

Nominal Voltage: 230V

Tolerances: -0/+5W

Maximum exposure temperature (energised): 65°C

Maximum exposure temperature (deenergised): 80°C

Temperature Class: T6 (T5 for 33W/m)

Minimum Bending Radius: 25mm

Minimum installation temperature: -35°C

Maximum length circuit:

ESR-10-BOT..... 205 m

ESR-15-BOT..... 160 m

ESR-20-BOT..... 140 m

ESR-25-BOT..... 130 m

ESR-30-BOT..... 110 m

Weight approx: 119kg/km

QUALIFICATION

ATEX, EAC, CE, IP67



CIRCUIT LENGTH*

DESIGNATION	STARTING TEMPERATURE (°C)	MAXIMUM LENGTH (m)		
		16A	20A	32A
ESR-10-BOT	-20	123	165	195
	-15	140	186	195
	10	205	-	-
ESR-15-BOT	-20	82	111	160
	-15	93	125	160
	10	145	162	-
ESR-20-BOT	-20	62	85	115
	-15	75	93	140
	10	116	140	-
ESR-25-BOT	-20	50	70	105
	-15	60	75	117
	10	88	117	126
ESR-30-BOT	-20	45	58	85
	-15	50	65	95
	10	70	90	108

*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,

ADDITIONAL PRODUCTS

Reference	Non-ATEX	ATEX
Connexion	DOMOCLICK™, TRASSACLIP ELQC, ELKSR-1, ELKSR	TRASSACLIP ELKSR-1-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