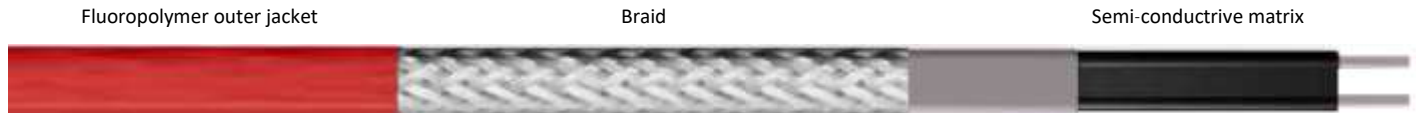


ESR™ H-BOT

SELF-REGULATING HEATING CABLE HIGH TEMPERATURE



Naked type: H-xx

Braided type: H-xx-B

Braid and outer jacket: H-xx-BOT

First insulation

Bus wire:
 2 × 1.25 mm²

HEATING CABLE OVERVIEW

ESR™-H-BOT self-regulating heating cables are designed for high temperature applications for processes up to +200 °C (+392 °F). They are designed for industrial applications.

Ils s'adaptent à une large gamme de services industriels.

Approved for hazardous, explosive, corrosive and healthy areas, the fluoropolymer outer sheath provides maximum protection in the harshest environments. **ESR™-H-BOT** is resistant to organic chemicals and corrosive in the oil, gas or petrochemical industries.

APPLICATION

Surface type	Metallic
Chemical resistance	Consult your ELTRACE representative
Areas	Normal, corrosive or explosive area (contact us)

ADVANTAGES

- √ A highly chemical resistant fluoropolymer outer sheath.
- √ The so-called "parallel" heating cable technology allows you to cut to the desired length.
- √ A self-regulating heating cable suitable for hazardous and corrosive atmospheres.
- √ Saving energy through self-regulation.
- √ No risk of overheating.
- √ The Box type reel storage system allows simple, fast and practical handling.
- √ Different powers available.
- √ A product available in stock.

ESR™ H-BOT

QUALIFICATION PRODUIT

ATEX, EAC, UE-Declaration (CE), IP66/68

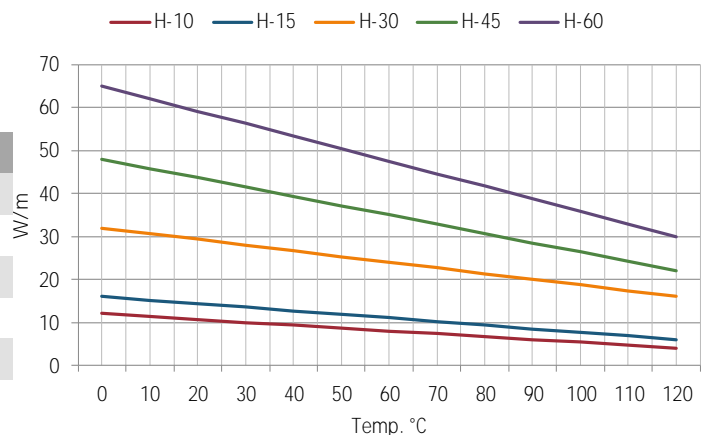
CARACTÉRISTIQUES TECHNIQUES

Supply voltage	230 V (110 V on demand)
Maximum exposure temperature - power on	120 °C (248 °F)
Maximum exposure temperature - power off	200 °C (392 °F)
Temperature class (T-RATING)	T3 (T2 with the 60 W/m)
Minimum bend radius	25 mm à 20 °C (70 °F)
Minimum installation temperature	-45 °C (-49 °F)
Weight (braided version T-xx-BOT)	120 kg/km (0.8 lb per 10 ft.)
Outer jacket dimensions (braided version H-xx-BOT) ^①	10.2 mm × 4.8 mm (0.41 In × 0.21 In)
^① Tolerance: ±0.5 mm (± 0.02 in)	

THERMAL CHARACTERISTICS

Nominal power supplied at 230 V on insulated metal pipe

REFERENCE	POWER @ 10 °C - (50 °F)
H-10-BOT	10 W/m (3 W/ft.)
H-15-BOT	15 W/m (5 W/ft.)
H-30-BOT	30 W/m (9 W/ft.)
H-45-BOT	45 W/m (14 W/ft.)
H-60-BOT	60 W/m (18 W/ft.)



MAXIMUM HEATING CIRCUIT LENGTH

REFERENCE	MAXIMUM CIRCUIT LENGTH
H-10-BOT	200 m
H-15-BOT	190 m
H-30-BOT	115 m
H-45-BOT	85 m
H-60-BOT	65 m

ESR™ H-BOT

MAXIMUM CIRCUIT LENGTHS BASED ON CIRCUIT BREAKER SIZE

DESIGNATION	STARTING TEMPERATURE	MAX. CIRCUIT LENGTHS (m)		
		16 A	20 A	25 A
H-10-BOT	-20	175	205	205
	0	198	205	205
	10	205	205	205
H-15-BOT	-20	120	152	190
	0	154	181	190
	10	165	190	190
H-30-BOT	-20	70	92	115
	0	81	109	115
	10	85	114	115
H-45-BOT	-20	50	66	85
	0	65	80	85
	10	70	85	85
H-60-BOT	-20	38	52	65
	0	47	62	65
	10	50	65	65

Circuit length with C curve circuit breaker. The protection of each circuit must comply with NF C 15-100. Personal protection is ensured by a residual current device of 30 mA maximum in increments of 7.5 kW maximum, if the heating elements are supplied at 230 volts.

ELECTRIC HEAT TRACING ACCESSORIES

REFERENCE	BUILDING	INDUSTRY
Connection	ELQC, ELKSR, ELKSR-1	TRASSACLIP ELKSR-1-e
Junction box	ELBE-6, ELBE-8, ELBE-10	ELBA-5-e, ELBA-1-e-v, ELBA-4-e-v
Support leg	ELSP-x, ELSP-P3	ELSP-2, ELSP-3, ELSP-4, ELSP-5, ELSP-PU, ELSP-P3
Thermostat	ELTE-x,	ELTH-THERM-ATx
Fixing tape	ELAA (aluminium adhesive tape)	ELAA (aluminium adhesive tape)
Insulation entry	ELSC, ELSC-E, ELSC-B	ELSC-E
Warning signs	ELET	ELET



Head office Tel : +33 (0)1 64 62 04 40
12, rue des Frères LUMIÈRE Fax : +33 (0)1 64 62 00 54
F-77290 Mitry-Mory Email : info@eltrace.com
France Web : www.eltrace.com

Type: Technical Datasheet
Document: FT-SRCable

Self-Regulating Heating Cable
ESR-H-BOT

Date: 10/01/2022
Version: En-Rev.2.082

ESR™ H-BOT

INSTALLATION OF HEATING CABLES

ELTRACE self-regulating cables must be installed in accordance with the standards in force on the day of installation (specifications for common technical implementation of CSTB, NF C 15-100, VDE, etc.) for the points where they apply, as well as the recommendations for use.

SELF-REGULATION PRINCIPLE

The colder it is, the more the polymer contracts and thus facilitates the flow of current and the more the cable heats up. Conversely, the hotter it is, the more the polymer expands and prevents the passage of current, the less the cable heats up.

Thanks to its so-called “parallel” technology, the heating cable can be cut to the desired length directly on site.

For more information, contact your **ELTRACE** distributor or representative now.

CONDITIONING

Standard lengths on reel: 500 m (+/- 5%). Other lengths are available, please contact your **ELTRACE** representative.

MARKING

All **ELTRACE** self-regulating cables are marked [YMMDD] (year, month, day) to ensure the traceability of our productions.

Personalized markings can be made in accordance with the regulations.