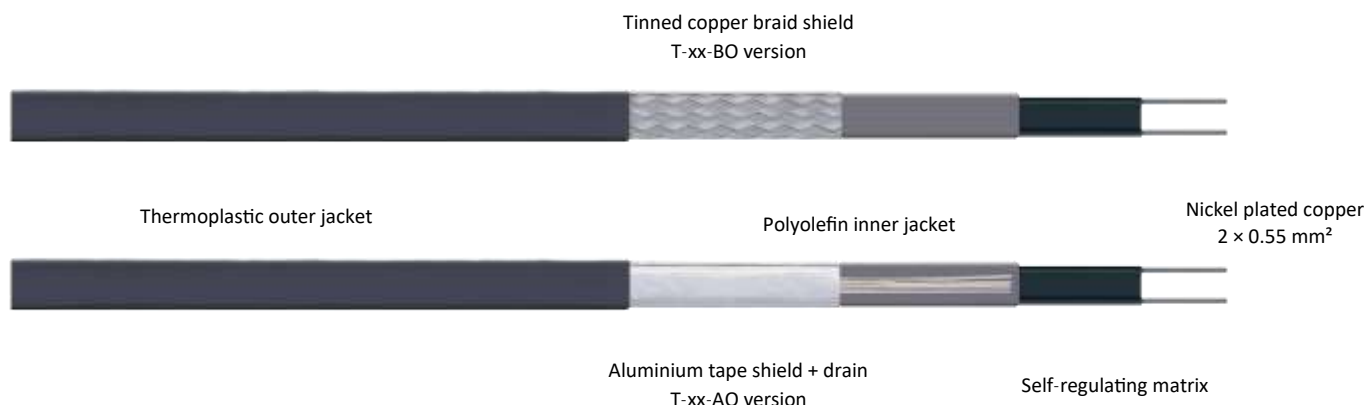


## TRACECO™ - S Class

# SELF-REGULATING HEATING CABLES FROST PROTECTION FOR PIPE AND TANK, SMALL SECTION



## PRODUCT OVERVIEW

**ELTRACE TRACECO™-S** self-regulating electric heating cables protect pipes and tanks against frost damage and keep them at low temperature.

The **TRACECO™-S** range can maintain processes up to 65 °C (150 °F) and can withstand temperatures up to 80 °C (185 °F) maximum intermittent exposure temperature.

The **ELTRACE TRACECO™-S** Self-regulating heating cables are installed on a pipe or tank under thermal insulation.

They have been designed for indoor or outdoor installations. The **TRACECO™-S** range is available in several powers ranging from 12 W/m and 17 W/m at 10 °C (4 W/ft. and 5 W/ft. at 50 °F).

## APPLICATION

Traced surface type	Metallic and plastic
Chemical resistance	Consult your <b>ELTRACE</b> representative
Area classification	Non-hazardous (Consult <b>ELTRACE</b> for hazardous or corrosives locations)

## ADVANTAGES OF SELF-REGULATING CABLES

- ✓ The “parallel” heating cable technology allows cutting to the desired length.
- ✓ Long circuit length from a single power supply.
- ✓ Low installation cost.
- ✓ Energy saving through self-regulation, power self-limitation.
- ✓ No risk of overheating.
- ✓ Resistant to temperatures up to 65 °C with power on (150 °F) / 80 °C with power off (180 °F).
- ✓ The Box type reel storage system allows simple, quick and practical handling.
- ✓ This product is available on stock.



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Self-Regulating Heating Cable  
TRACECO-S

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## TRACECO™ - S Class

### PRODUCT QUALIFICATION

CSTB, EAC, UE Declaration (CE), IP66/68, RoHS, REACH, UV-resistant

### TECHNICAL CHARACTERISTICS

Supply voltage	230 V (110 V on demand)
Maximum exposure temperature - power on	65 °C (150 °F)
Maximum exposure temperature - power off	80 °C (180 °F)
Temperature class (T-RATING)	T6
Minimum bend radius	25 mm at 20 °C (70 °F)
Minimum installation temperature	-20 °C (-10 °F)
Weight (S-xx-AO version)	66 kg/km (0.4 lb per 10 ft.)
Weight (S-xx-BO version)	72 kg/km (0.5 lb per 10 ft.)
Matrix dimensions <sup>①</sup>	5.1 mm × 2.3 mm (0.20 in × 0.09 in)
Inner jacket dimensions <sup>①</sup>	6.5 mm × 3.7 mm (0.25 in × 0.15 in)
Cable dimensions (S-xx-AO version) <sup>①</sup>	8.2 mm × 5.3 mm (0.32 in × 0.21 in)
Cable dimensions (S-xx-BO version) <sup>①</sup>	9.2 mm × 6.3 mm (0.36 in × 0.25 in)

<sup>①</sup>Tolerance: ±0.5 mm (± 0.02 in)

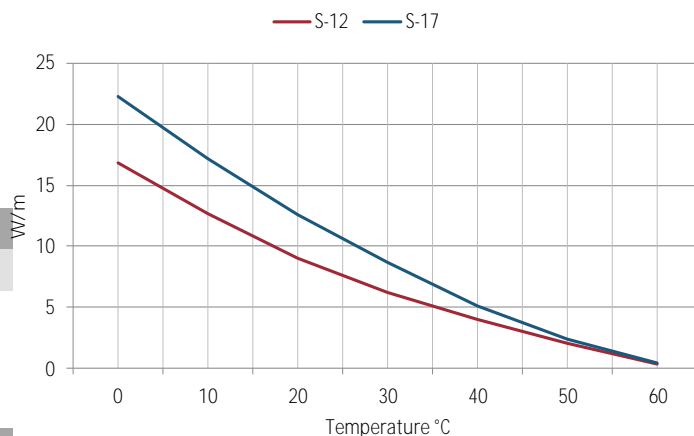
### THERMAL CHARACTERISTICS

Nominal power supplied at 230 V on insulated metal pipe

REFERENCE	POWER AT 10 °C - (50 °F)
S-12-xx	12 W/m (4 W/ft.)
S-17-xx	17 W/m (5 W/ft.)

### MAXIMUM HEATING CIRCUIT LENGTH

REFERENCE	MAXIMUM CIRCUIT LENGTH
S-12-xx	100 m
S-17-xx	100 m



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### MAXIMUM CIRCUIT LENGTHS BASED ON CIRCUIT BREAKER SIZE

REFERENCE	STARTING TEMPERATURE	MAX. CIRCUIT LENGTHS		
		16 A	20 A	25 A
S-12	-20 °C	100 m	-	-
	0 °C	100 m	-	-
	10 °C	100 m	-	-
S-17	-20 °C	100 m	-	-
	0 °C	100 m	-	-
	10 °C	100 m	-	-

Circuit length with C curve circuit breaker.

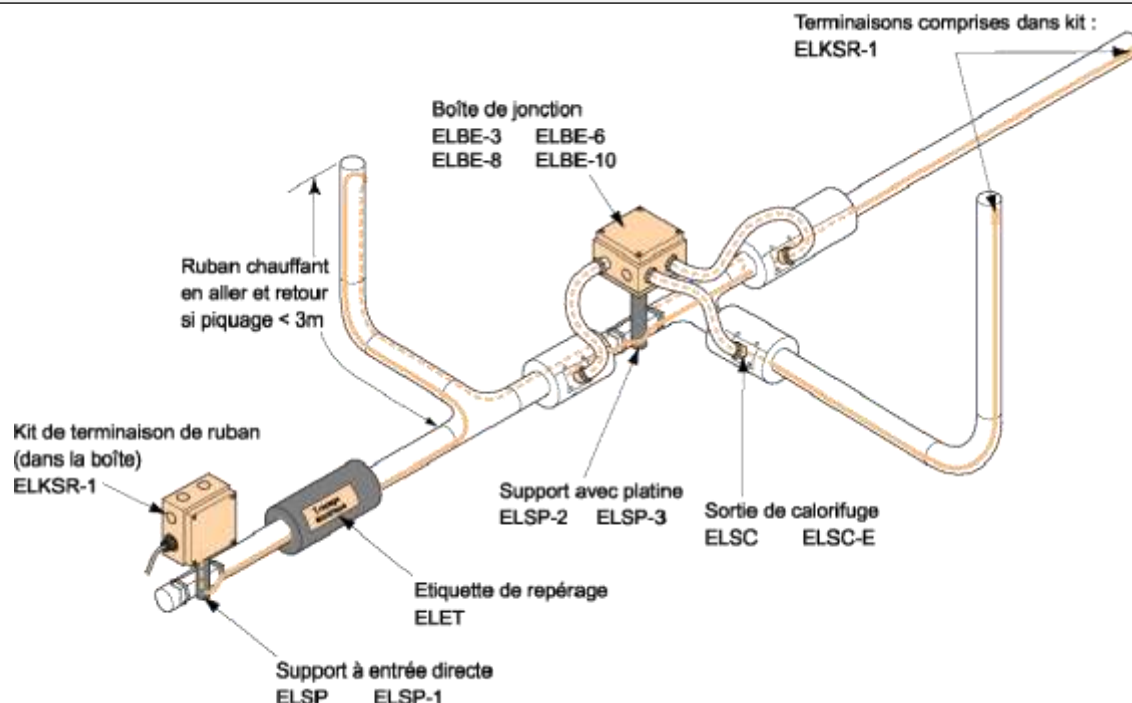
The protection of each circuit must comply with NF C 15-100.

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	COMMERCIAL
Connection	ELQC
	ELKSR-x
Junction box	ELBE-6, ELBE-8, ELBE-10
Support leg	ELSP-x, ELSP-P2/F, ELSP-3, ELSP-PU
Thermostat	ELTE-x
	ELTH-A2, ELTH-A3, ELTH-A4, ELTH-A5
Fixing tape	ELAA (aluminium adhesive tape)
	ELTV (fiberglass adhesive tape)
Insulation entry	ELSC, ELSC-E, ELSC-B
Warning signs	ELET

## TRACECO™ - S Class



## 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 [YYMMDD] (year, month, day) to ensure the traceability of our productions.

Personalized markings can be made in accordance with the regulations..