

ELK-SOL

FLOOR HEATING CABLE FOR COLD ROOM

ELK-SOL type heating cables can be used to protect the floors of cold rooms against heaving caused by frost.

This is a cold room floor frost protection electric heater. The cable must cover the contact surface with the substrate and provide a thermal barrier to prevent lifting and other cracks.

The power to be installed is around 20 to 40 W/m².

Given the inaccessibility of the equipment and the cost of the work, we planned to double the circuit; the second cable constituting a possible recourse. Of course, the two cables should never work simultaneously.

The cable must be regulated by an electronic thermostat type ELTE-1 or ELTH-B390. The temperature sensor will be placed in a glove finger, in order to make it interchangeable, it will be arranged on the same plane and in the axis of the heating conductors.



HEATING CABLE CONSTRUCTION

REFERENCE	LABEL	RESISTANCE
ELK-SOL	Cable for negative cold room floor	From 0.02 Ω/m to 12 Ω/m

Nominal voltage	De 12 V à 400 V
Wire	Cupro-nickel alloy strand
Insulation	ross-linked polyethylene
Shielding	Aluminium foil 100 % covered + earth wire
Tolerance	-5 % / +10 %
Protection	Cross linked PVC (0.8 mm)
Outer Diameter	6.5 mm
Minimum installation temperature	+5 °C
Minimum bending radius	5 × Dia
Cold lead cable	On demand

IMPLEMENTATION - INSTALLATION

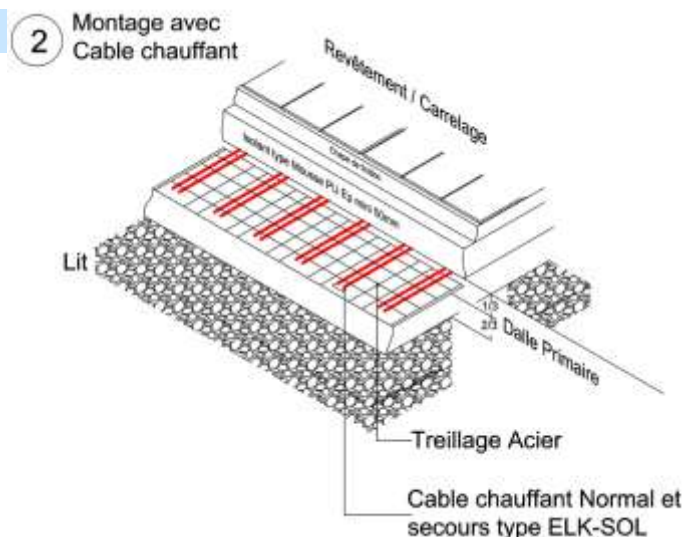
The installation of the heating cables is carried out according to the diagram below.

ADVANTAGES

Prevents frost damage for cold rooms or ice rinks. Extremely durable and robust. 100% waterproof.

PRODUCT QUALIFICATION

CE, NF C-15 100, IEC 60-800 rev3., Class M2 (1500 N). Impact test 5 × 9 joules.



Do not overlap the heating cables