



11SRF Heat cable



Applications

Heat cables are mainly used for internal and surface heating of tanks and piping such as sewage pipes, water pipes and water meters and water taps. Where a flexible heating element is required.

The heating cables are available in standard versions with optional associated control technology. Plug and play is standard with this cable. Optional is an external thermostat/control or internal thermostat in the form of a built-in clixon that automatically switches the cable on at +3°C and off at +12°C.

Electric heat cables are used in various applications of frost protection, such as:

- (water) pipes
- Sewer pipes
- Water meters and water taps
- (roots of) plants and trees
- Wells and wellheads
- Water troughs and ponds
- (IBC) containers
- Gutters and downspouts



Technical description

Heating Group International supplies 2 types of heating cables.

Constant-power heating cable without a clixon

This type of heating cable has a semiconducting core that maintains a constant resistance regardless of the ambient temperature. This ensures that the cable can be used without a thermostatic control in applications that require a constant power output. Examples include pipes carrying liquids that need to be maintained at a specific temperature, or other process applications.

This cable must **not** be crossed without a control system. Otherwise, the cable will overheat, which may cause damage and faults. We still advise against this even with a control system. Without a control system, the cable is indeed switched on; an external control system is required for this cable. This type of constant-power cable operates up to a maximum of 65°C and a power output of up to 11W/m. Heating Group International supplies two types of heating cables. Please note: The cable without a Clixon must not be crossed if no external control is used.

Constant-power heating cable with clixon

This cable is also a constant-power cable, operating between the switch-on and switch-off temperatures. Therefore, when the ambient temperature is between +3 and +12 degrees, the cable delivers its full power. It is therefore also important to note that this cable must not be crossed.

If an external control is required after all, we always recommend choosing the cable without a clixon, combined with an external control.

Heating cable Heating Group International

Constant heating cable

Cable type	Power (@10°C) W/m	Temperature (aan/ uit) °C	Dimensions mm	Outer-jacket	Voltage Volt	ATEX (Ex)
11SRF	11	65	8,3 x 5,7	Thermoplast	230	No

Advantages

Heat cable benefits include:

- Quick installation (plug and play)
- Standard versions from 1 meter up to 100 meters
- Temperatures up to 65°C
- Safety class: IPX7
- With or without internal clixon control (clixon control does not work (optimally) in or under water)
- Standard with 1.5 meter connecting cable and grounded plug

Accessories

Heating Group International supplies complete systems, including all necessary accessories:

- Plug-in thermostats: TC-200, TC-300, TC-500 & FVC
- Plug-in controls: TS-125 & TS-1000
- Digital controls: TDR2004, HTS-1000, TSM-1000 & EB-800
- Digital controls IP65: HGI-HDT
- Analogue controllers IP65: UTR-60 & MVT
- Finishing sets: sealing set & repair set
- Fastening material: aluminum tape & glue
- Conduit sets: Y-piece & transit nipple

Ask our staff about the various accessories, controls and thermostats.

Assembly

Installation is easy to perform. To be on the safe side, Heating Group International has prepared installation instructions, please ask our staff. For completeness, these instructions are supplied as standard in various languages. You can find these printed in the box of delivery.



Heating Group International

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Technical information

Standard type without clixon

Voltage	230 V
Width	8,3mm
Thickness	5,7mm
Isolation	Thermoplast
Internal regulation	No
Protection class	IPX7
Temperature range	Up to 65°C

Articlenumber	Length	Voltage	Power
4360142010051	1m	230V	11W
4360142010052	2m	230V	22W
4360142010053	4m	230V	44W
4360142010054	6m	230V	66W
4360142010055	8m	230V	88W
4360142010056	10m	230V	110W
4360142010057	13m	230V	143W
4360142010058	16m	230V	176W
4360142010059	19m	230V	209W
4360142010069	24m	230V	264W
4360142010070	29m	230V	319W
4360142010071	34m	230V	374W
4360142010072	40m	230V	440W
4360142010073	46m	230V	506W
4360142010074	52m	230V	572W
4360142010075	60m	230V	660W
4360142010076	68m	230V	748W
4360142010077	76m	230V	836W
4360142010078	88m	230V	968W
4360142010030	100m	230V	1100W

Technical information

Standard type with clixon

Voltage	230 V
Width	8,3mm
Thickness	5,7mm
Isolation	Thermoplast
Internal regulation	Yes
Protection class	IPX7*
Temperature range	Up to 65°C

* Please note that when placing the heat cable in or under water, the clixon does not work (optimally) and an external control may still be required.

Articlenumber	Length	Voltage	Power
4360142010027	1m	230V	11W
4360142010029	2m	230V	22W
4360142010036	4m	230V	44W
4360142010026	6m	230V	66W
4360142010021	8m	230V	88W
4360142010037	10m	230V	110W
4360142010038	13m	230V	143W
4360142010039	16m	230V	176W
4360142010040	19m	230V	209W
4360142010041	24m	230V	264W
4360142010042	29m	230V	319W
4360142010043	34m	230V	374W
4360142010022	40m	230V	440W
4360142010044	46m	230V	506W
4360142010045	52m	230V	572W
4360142010046	60m	230V	660W
4360142010047	68m	230V	748W
4360142010048	76m	230V	836W
4360142010049	88m	230V	968W
4360142010050	100m	230V	1100W