

HEM-SYSTEM® SELF-REGULATING HEATING CABLES 10/20/30/40 W

Frost protection against ice and low temperature maintenance for pipes, tanks, containers, valves, gutters



Self-regulating heating cables consist of two parallel copper supply lines, embedded in a linked plastic heating element doped with carbon particles with a positive temperature coefficient, i.e. the heating element changes its output depending on the ambient temperature. If the temperature rises, the plastic will expand by molecular expansion. The connection between the carbon particles breaks open, the resistance increases and thus power reduces. When cooling, the process reverses and the power increases. Thus, the heating cable will adjust to the heat demand from any location.

The reliable solution to your problems with frost protection and temperature maintenance.

Technical data

Rated voltage	230 V
Tolerance	-0/+5 W
Output at 10 °C	10, 20, 30, 40 W/m
Min. installation temperature	-35 °C
Max. adm. workpiece temperature	65 °C switched on 80 °C switched off
Temperature class	T6
Max. protective mesh resistance	< 18.2 Ohm
Smallest bending radius	25 mm
Jacket of polyolefin/fluoropolymer	black
Weight (from/to)	90-105 kg/km

HEM System – self-regulating heating cables with protection mesh

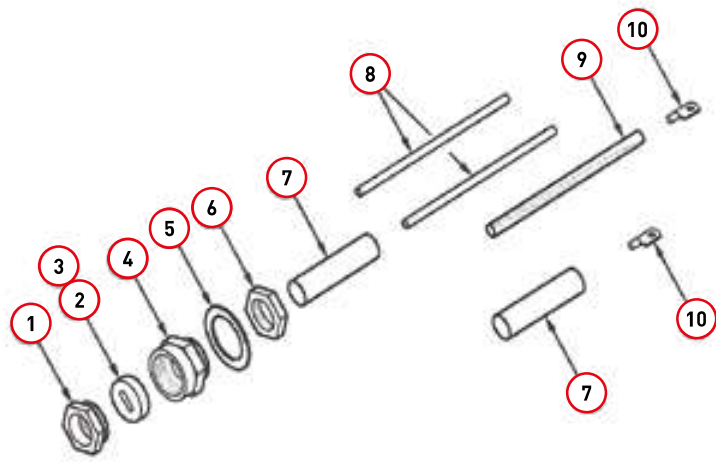
Order no.	C-Characteristics m		Thickness x width mm	Rated output W/m* at +5 °C	Delivery form
69500-10	16 A	188	4,9 x 13.0	11.5	Yard goods
	20 A				100 m Drum**
	25 A				200 m Drum**
					500 m Drum***
69500-20	16 A	93	4,9 x 13.0	23	Yard goods
	20 A	116			100 m Drum**
	25 A	142			200 m Drum**
					500 m Drum***
69500-30	16 A	63	5.3 x 15.6	33.5	Yard goods
	20 A	87			70 m Drum**
	25 A	102			140 m Drum**
					500 m Drum***
69500-40	16 A	160	5.3 x 15.6	40	Yard goods
	20 A	76			70 m Drum**
	25 A	96			140 m Drum**
					500 m Drum***
39500-10					Desired length factory customised with 1.80 m cold end (H05RN F 3 x 2.5 mm², black) and with end connection set
39500-20					
39500-30					
39500-40					

* Rated output on insulated metal tubes at +5 °C (W/m).

** We will charge 3.25 € per coil + 11 € packaging costs.

*** We will charge 5.50 € per coil + 8 € EWP or 5 €/HP.

ACCESSORIES FOR HEM SELF-REGULATING HEATING CABLES



- 1. Cover
- 2. Seal
- 3. Seal
- 4. Screw connection
- 5. Seal
- 6. Counter nut
- 7. Shrink hose Ø 12:4 length 5 cm (number: 2)
- 8. Shrink hose Ø 3:1 length 10 cm (number: 2)
- 9. Shrink hose Ø 6:2 length 10 cm
- 10. Connection ground cable (number: 2)

Accessory connection and end resistor set	
	Order no.
Connection and end resistor set	26142



Connection and end resistor set

