

## TECHNICAL DATA SHEET

### CONSTANT POWER HEATING CABLE 6.5x4.5mm

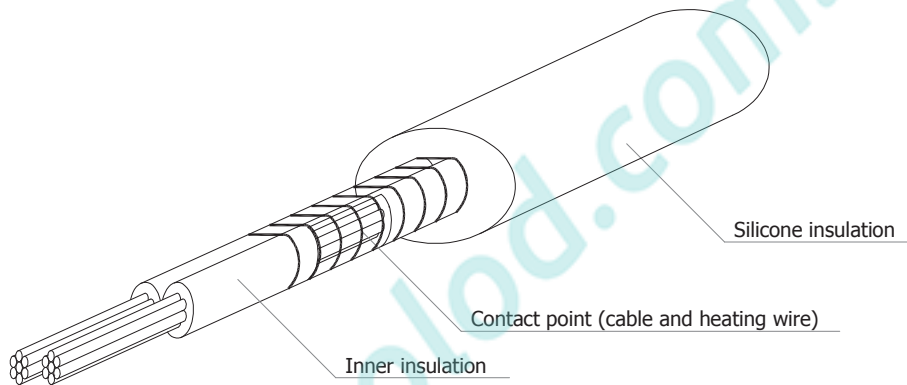
#### Heating cable construction

Flat multi core cable silicone rubber insulated. Its characteristic **is the specific power, constant** independently from the required cable length (see below features).

**Construction:** A section of the insulation is removed each 500mm (optionally every 250mm for power higher than 30W/m at 230V) creating the electrical contact and a heating wire is wound around the inner cable.

The external silicone rubber insulation (anti laceration) guarantees a good flexibility, high mechanical strenght and withstands high temperature. Finishing kit is also available (code 850000500).

**Optional:** metal braid (CuSn), which increases resistance to abrasion and shear strenght, allows also ground contact and improves the thermal distribution.



#### Features:

Power output (±10%)	from 10W/m to 60W/m at steps of 5W/m (others values upon request)
Supply Voltage (AC/DC)	12V ÷ 230V
$I_{max}$ max current	7 A (standard product)
	$V \times I$ 230 x 7
Max. circuit length	$L = \frac{V \times I}{W/m}$ (example: $\frac{230 \times 7}{40W/m} = 40.25 \text{ m}$ ) where $I < I_{max}$
Dimensions (mm; ±0.1)	6.5x4.5 (silicone) – 7.1x5.1 (with metal braid)
Max. temperature	180 °C continuos / 230 °C short periods
Min. working temperature	- 40 °C
Min. bending radius	20mm
Metal braid (optional)	CuSn
External insulation	Silicone rubber (transparent)

#### Instruction of usage

- For the electric connection please refer to the 'finishing data sheet'
- Verify the max circuit length
- Pay attention to sharp edges
- Feasibility of customizable product shall be checked with our technical department