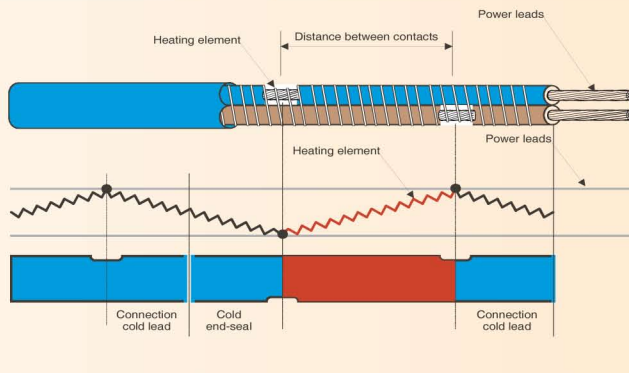


**PARALLEL CONSTANT POWER-OUTPUT CABLE PER METRE HEATING CABLE, CCP MODELS**

Parallel-type heating cables have a constant power output per linear metre regardless of their length. It is therefore possible for them to be supplied in coils, as they can be cut and finished on site. They are characterised by the fact that the heating element is coiled around the two insulated cable conductors, with which it has alternating contact at given points. Internally, the cable forms of system of many resistors, in parallel, powered by the two conductors.

Cutting the cable between two contact points will leave two cold non-heating zones, one at each end of the heating-cable section section between the cutting point and the first contact at each end. The cut sections for the CCP parallel cable are of 600 mm.

When applying voltage to the conductors, the heating element receives the voltage between the two contact points. This ensures that the power output per linear metre of the cable is not affected by its length.



**Common applications**

- Heating of pipes and tanks containing heavy fluids such as combustible oils, grease, paint, wax, and other chemical products.
- Room defrosting: seals, doors, trays, drainage pipes, demisting, glass, etc.
- Heating of glassware for reagents and distillation apparatus.
- Protection from freezing of water pipes and valves
- Prevention of water condensation in terminal cabinets.

**General Characteristics**

- Silicone elastomer-based siliconised compound
- External dimensions: 7.5 x 5 mm
- Colour of external covering: Blue or Transparent depending on the model
- Power leads: Nickel-plated copper 2 x 1.5 mm<sup>2</sup>
- Heating elements: Nickel-Chromium alloy
- Distance between contacts (cut section length): 600 mm
- Maximum exposure temperature (disconnected cable): 180 °C
- Maximum circuit length according to model
- Single-phase power supply ~230 V
- If you wish, we are able to supply other power levels and supply voltages, etc. on request.

**Standard models and accessories**

Model	W/m	External mesh for earth connection	Colour	Dimensions in mm	Cut section	Maximum section length	Maximum surface temperature Under voltage (1)	No voltage (2)	Coil length
CCP20T	20	NO	TRANSPARENT	7,5 x 5 mm	1000 mm	105 m	130 °C	180 °C	200 m
CCP30A	30	NO	BLUE	7,5 x 5 mm	600 mm	90 m	115 °C	180 °C	150 m
CCP30AM	30	YES	---	8,5 X 6 mm	600 mm	90 M	115 °C	180 °C	150 m
CCP40T	40	NO	TRANSPARENT	7,5 x 5 mm	600 mm	80 m	100 °C	180 °C	200 m

(1) Maximum temperature with cable connected to the the mains  
 (2) ximum temperature with cable disconnected

Code	Description	Reference
525009000	Shrink-wrap kit WITHOUT earth connection Damp protection grade IP65	CAB21

GROUP 4 - Flexible heating elements

**TORPEDO-TYPE TWO-POLE SILICONE RESISTORS, RBS MODELS**

Two-pole silicone resistors are flexible resistors with ext. Ø 4.5 mm silicone insulation. They are called torpedo type because one of the ends is finished in the form of a torpedo-shaped sheath. The other end is connected to power via its faston terminals.

**General Characteristics**

- Silicone elastomer-based siliconised compound
- External dimensions: Ø4.5 mm
- Colour of external covering: White
- Power leads: 2 x 1.5 mm<sup>2</sup> 500-mm long nickel-plated copper
- Faston-type connection terminals.
- Heating elements: Nickel-Chromium alloy
- Maximum exposure temperature (disconnected cable): 180 °C
- Single-phase power supply ~230 V
- If you wish, we are able to supply other power levels and supply voltages, etc. on request.

**Common applications**

- Deicing and frost prevention on roofs, gutters, and water downspouts, etc.
- Room defrosting: seals, doors, trays, drainage pipes, demisting, glass, etc.
- Agricultural applications such as aquariums, terrariums, and small water tanks.

**Standardised models**

Code	Length in mm	W/m	Total Watts	Weight in Kg
RBS1	1000	15	15	0,066
RBS2	2000	15	30	0,085
RBS3	3000	15	45	0,12
RBS4	4000	15	60	0,15
RBS4,5	4500	15	67,5	0,16
RBS5	5000	15	75	0,18
RBS5,5	5500	15	82,5	0,21
RBS6	6000	15	90	0,22
RBS7	7000	15	105	0,23
RBS8	8000	15	120	0,24
RBS9	9000	15	135	0,32
RBS10	10000	15	150	0,40
RBS12	12000	15	180	0,45
RBS15	15000	15	225	0,56
RBS20	20000	15	300	0,65

