

# Constant power heating cable

## PCMT Technical Sheet PCMT V1



PCMT heating cables consist of heating modules with a constant heat output, regardless of the ambient temperature. These cables, which have a very flexible silicone sheath, can be cut to length on site and can be branched from a single power supply point (energy present throughout the heating cable).



PCMT 30



PCMT 30 + C

### Principle

PCMT heating cables are made up of contact points every 60 cm: heating starts from the first contact point. Connection is made on one side of the heating cable, to the +/- terminals of the power cable.



### Features

- Power: 30 W/m ( $\pm 5\%$ )
- Power supply: 230 V
- Maximum temperature: 120°C
- Temperature off: -70° à 200° C
- Maximum length of a circuit: 50 m
- Dimensions: 5.75 x 7.5 mm ( $\pm 0,2$  mm)
- Flexible sheath
- Cable: nickel-chromium or nickel-copper
- Section: 2 x 0.75 mm<sup>2</sup>
- Conductor insulation: silicone elastomer
- Contact points: 0.6 m
- Certificate: CE
- Cut to length on site

### Applications

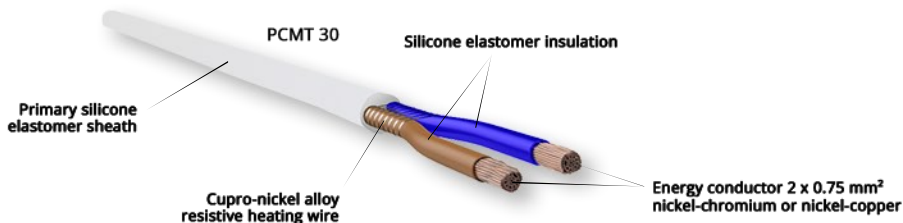
The PCMT cable is primarily intended for use in industrial refrigeration and surface heating applications:

- > Temperature maintenance on pipes (excluding plastic)
- > Heating cold room door seals
- > Anti-condensation

### Installation instructions

For optimal efficiency and safe installation, please follow the TECHNITRACE instructions.

- > [www.heating-cables.com/installation-instructions](http://www.heating-cables.com/installation-instructions)



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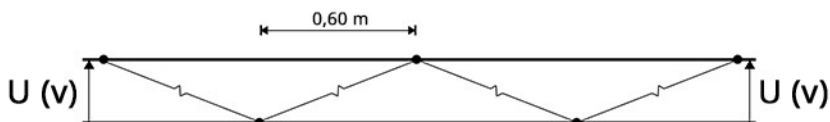
**PCMT** Technical Sheet PCMT V1



## Benefits

- No thermal aging of the heating element (alloy)
- No current peaks at start-up unlike other technologies allowing good electrical protection
- Integrated cold output due to the technology used
- Can be cut to length on site according to needs (modules)
- Allows derivations and tappings from a single power supply point (energy present all along the cable)
- Very flexible implementation
- Standard manufacturing under 230 V

## Principle of operation



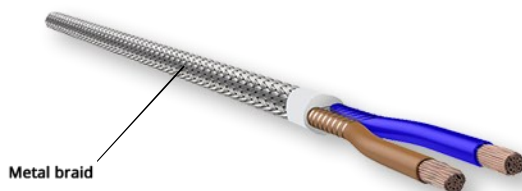
heating resistors of fixed length  
and constant heating power

## General characteristics

- Thermal protection: nominal current \* 1.25
- Differential protection: 30 mA mandatory
- Maximum circuit length: 50 m or 1500 W
- Maximum exposure: 120° C
- Maximum exposure when switched off: -70 to 200° C

## PCMT 30+C version

- The PCMT 30 W/m - 230 V constant power cable is also available with a metal braid



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