

Constant wattage heating cable

PCHT



FIQ 115



PCHT/SIL model

The PCHT type heating cables consist of heating zones that dissipate a constant heating power whatever the environment temperature.

Cut to length on site, they allow connecting branches from a single point of electrical power supply (power along the whole cable length) and are mainly dedicated to the following surface heating applications:

Application range

- freeze protection of liquid-food pipes withstanding high pressure steam rincing.
- temperature maintenance of pipes, tanks and reservoirs up to 120°C.
- pre-heating and anti-condensing of hoppers, filters, heavy fuel oil lines.
- pre-heating of loading/off-loading lines or of bituminous products.
- temperature maintenance in chemical and industrial environments.

Fluoropolymer PFA (260°C) outer-jacket
color can be customized

Marking can be customized on request

Tinned-copper (C) or stainless-steel (S) braid

Fluoropolymer PFA (260°C) insulating inner-jacket

Bus wire insulation
fluoropolymer PFA (260°C)
or silicone THT (260°C)

Cupro-nickel alloy heating
resistance wire

Nickel-plated copper bus wires
2 * 1.5 mm² or 2 * 2.0 mm²

Construction

Max. exposure temp. power on: according to power output
Max. exposure temp. power off: 260°C
Recommended max. maintenance temperature = 120°C

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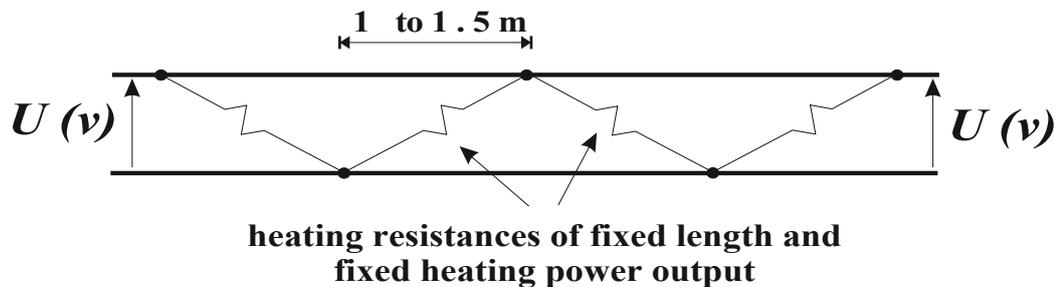
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* Prix d'un appel local

Benefits

- withstand superheated water sterilization or high pressure vapour sterilization
 - no thermal ageing of heating resistance wire (alloy)
 - no peak inrush current enabling a good electrical protection
 - build-in cold connection due to the manufacturing design
 - cut to the requested length on-site
 - Fluoropolymer insulation resistant to acids, bases and most chemical products
 - temperature class 260°C
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- allow connecting branches from a single point of electrical power supply (power delivered all along the whole cable length)
 - very easy to implement
 - standard voltage 230 V and 400 V
 - optional specific voltage 24V to 1500 V (contact us)

Operational principle



Main features

- Maximum length : 110 m or 1500 W
- Maximum exposure temperature power off: 260°C
- Maximum exposure temperature power on: according to power output:
PCHT 10 W/m = 150°C, PCHT 20 W/m = 130°C, PCHT 30 W/m = 120°C
- Thermal protection: rated current * 1.25
- Compulsory residual-current circuit breaker : 30 mA

Product ID code **PCHT/PFA 20.2 + C + G P F A**

