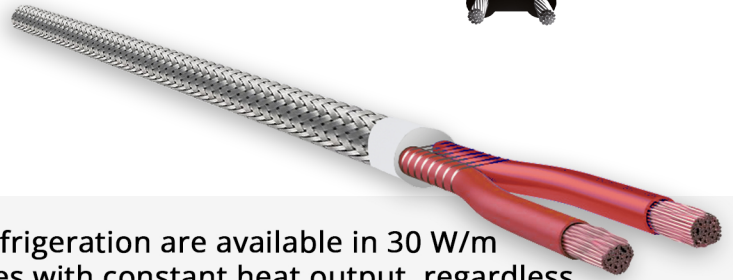


Constant power heating cable

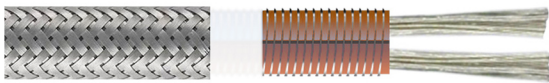
PCR+C

Technical sheet PCR+C V2



PCR+C constant power heating cables for refrigeration are available in 30 W/m and 40 W/m. They consist of heating modules with constant heat output, regardless of the ambient temperature.

These cables, equipped with a highly flexible silicone sheath, can be cut to length on-site and can be connected to a single power source (energy is present along the entire length of the heating cable). These cables have been designed exclusively for integration into the frame seal of cold room doors: they must not be used for temperature maintenance.



PCR+C

Principle

PCR+C heating cables are made up of contact points every meter: 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

- Available powers : 30 W/m and 40 W/m ($\pm 5\%$)
- Power supply: 230 V
- Maximum temperature under load: frost protection
- Operating temperature (off): -70° to 200°C
- Maximum circuit length: 15 m
- Diameter: 4.4 mm
- Minimum bend radius: 6 x cable thickness
- Flexible sheath
- Cable: nickel-chromium or nickel-copper
- Section: $2 \times 0,25 \text{ mm}^2$
- Conductor insulation: silicone elastomer
- Contact points: 1 m
- Cut to length on site
- Tinned copper braid for mechanical protection and grounding

Applications

The PCR+C cable is primarily intended for use in industrial refrigeration:

- > Heating cold room door seals
- > Anti-condensation
- > Above all, do not use for temperature maintenance.

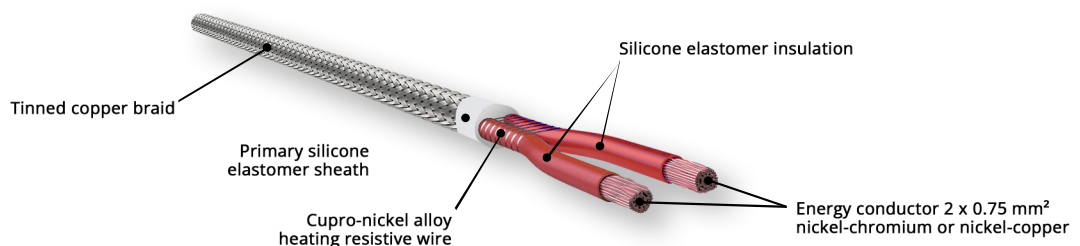
We recommend installing a control thermostat.

Installation instructions

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

> www.heating-cables.com/pcr-installation-instructions

PCR+C cable composition

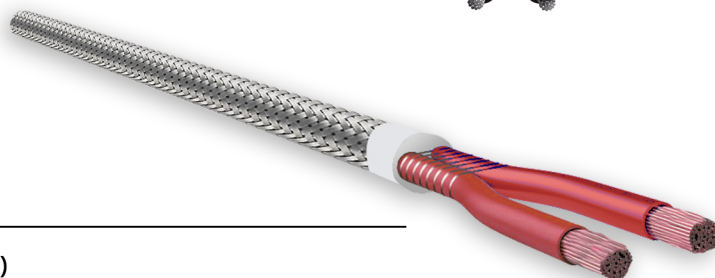


Avenue du Général de Gaulle
89130 TOUCY - FRANCE
Tél : +33(0)3 86 44 06 06
Email : info@technitrace.fr

www.technitrace.fr

Constant power heating cable

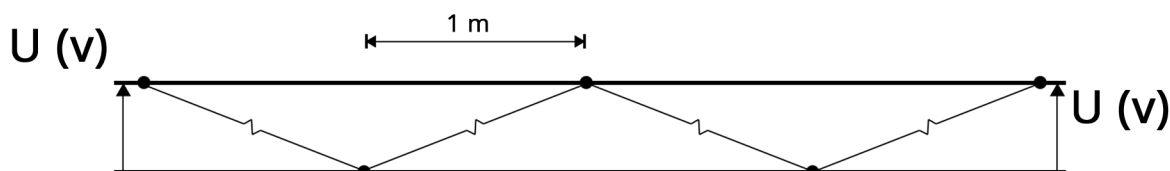
PCR+C Technical sheet PCR+C V2



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: 15 m
- Maximum exposure under tension: frost protection only
- Maximum exposure when switched off: -70 to 200° C

PCR versions

- The PCR+C constant power cable is also available in a PCR version (without the tinned copper braid) on request.

References

- **PCR 30+C**: PCR 30 W/m - 230 V with tinned copper braid
- **PCR 40+C**: PCR 40 W/m - 230 V with tinned copper braid



Avenue du Général de Gaulle
89130 TOUCY - FRANCE
Tél : +33(0)3 86 44 06 06
Email : info@technitrace.fr

www.technitrace.fr