



### DESCRIPTION

nVent RAYCHEM T2Red is a self-regulating floor heating cable for low profile installations.

Thanks to its self-regulating effect the cable can be applied under any type of floor surface without a risk on overheating.

Especially in commercial rooms, with frequent interior changes, the T2Red heating cable is thinking along with the surface to be warmed and thereby providing a flexible solution to comfortable living.

This intelligent floor heating cable can be applied for improved living comfort in living and bedrooms, children's rooms and dining rooms, but also in bathrooms, kitchens and hall ways.



### ADVANTAGES

#### The design phase

Easy design: one heating cable for all room shapes

Flexible planning and changeable interior design at all times

Ideal for renovation due to the low profile (approximately 8 mm)

Compatible with all stable subfloors e.g. concrete, anhydrite, asphalt, plaster, ceramic subfloor, wooden subfloors (with max. heat transfer resistance 0.15 m<sup>2</sup>K/W)

Following floorings can be applied:	Tiles, marble, stones	Max. 30 mm thickness	λ-value 1.0 W/mK
	Parquet	Max. 16 mm thickness	λ-value 0.14 W/mK
	Carpet	Max. 10 mm thickness	λ-value 0.09 W/mK

#### The installation phase

Heating cable is cut to length and therefore flexible to adapt to the room shape

Heating cable can be spliced and crossed without risk of overheating

No cold lead needed, easy connection

## The application

Flexible interior design. Due to the self regulating effect, there is no risk on overheating under carpets, furniture, etc.

Automatic self-regulating output depending on environment (more output in cold zones e.g. door, less output in warm zone e.g. sunlight in green house)

Extra low energy consumption with use of thermostat

No measurable electro-magnetic fields due to the heating cable

Long life and maintenance free

## TECHNICAL DATA

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Nominal power	5 W/m – 15 W/m (depending on floor covering)
Voltage	230 V
Max. Exposure Temperature	65°C
Min. Installation Temperature	+5°C
Max. Circuit Length	100 m
Dimensions	Approx. 8.7 mm x 6.0 mm
Min. Bending Radius	35 mm
Circuit Breaker	C10 A (T)
RCD	30 mA
Construction	PVC-free
Certificates	SEMKO, CE-mark

## RELATED NVENT RAYCHEM PRODUCTS

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### NRG-Temp

NRG-Temp Timer Thermostat with many features including:

- Standard comfort modes
- Two economic programs EcoHome and EcoOffice
- Energy saving features, such as the programming heating on time and the adaptive function
- Ease of installation features, such as auto detection of sensing mode, auto calibration in room sensing mode and the first warming function

### CE-T2Red

Connection and end seal kit for T2Red heating cables

### S-T2Red

Splice kit for interconnecting T2Red heating cables

### T2Reflecta pack

10 pc of T2Reflecta plates and 6 end plates

## PACKAGING AND REFERENCE NUMBER

T2Red self-regulating heating cable on reels (various length min 16 m, max 300 m)

reference number: 948739-000

Needed accessories: CE-T2Red/ETL:

Connection and end seal kit for T2Red self-regulating cable

Reference number: 323608-000

### Optional: T2Red pre-terminated

(T2Red incl. end seal, connection kit, thermostat NRG-Temp)

Product name	Power	Reference number
T2Red Pack 16 m Heating Cable	160 W	389736-000
T2Red Pack 23 m Heating Cable	245 W	658414-000
T2Red Pack 30 m Heating Cable	320 W	016962-000
T2Red Pack 37 m Heating Cable	400 W	066424-000
T2Red Pack 44 m Heating Cable	480 W	416966-000
T2Red Pack 58 m Heating Cable	640 W	531288-000
T2Red Pack 72 m Heating Cable	800 W	318684-000
T2Red Pack 86 m Heating Cable	960 W	275876-000
T2Red Pack 100 m Heating Cable	1120 W	036848-000

## SUBFLOOR PREPARATION

The subfloor should be clean, stable and rigid, without cracks or adhesion-reducing substances.

Large cracks in the subfloor should be filled prior to laying the mat. Uneven surfaces will need to be levelled prior to installation. With cement plaster and anhydrite plaster, one should ensure that the substance has dried sufficiently according to the applicable norms. Anhydrite plaster should be smoothed and dust free. With quickly solidifying plaster, one should follow the suppliers instructions.

## INSTALLATION INSTRUCTION

The heating cable should not be installed under bath tubs, shower cabins, surface covering furniture, etc.

The heating cable should not be installed where holes will be drilled in the floor.

Applicable norms, rules and data sheets as well as instructions and manuals are to be followed!

For detailed installation instructions refer to INST214.

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