

# HWAT Self-Regulating Heating Cable



nVent RAYCHEM HWAT self-regulating trace heating cables maintain water temperatures in a building's hot water distribution network. Installed underneath the thermal insulation, they automatically compensate for pipe heat losses where they occur and provide an energy efficient solution.

## FEATURES

- Simple to design: single pipe instead of recirculation system
- Branch lines, instant hot water at tap: for reduced tap times and water waste, water maintained at specific temperatures, no return pipework or return of cold water into the water heater
- Easy to install: cut to length, meter marks, simple fast RayClic connections
- Energy efficient and safe: no overheating, advanced energy saving and monitoring with HWAT-ECO or ACS-30 controller
- Reliable during long life: 10 year product warranty available, aluminum foil layer to protect from chemical ingress, maintenance free

## SPECIFICATIONS

- Ground Path Type:** Braid
- Outer Jacket Material:** Modified Polyolefin
- Conductor Material:** Nickel-Plated Copper

| Table 1/1      |           |                |        |                    |               |                   |
|----------------|-----------|----------------|--------|--------------------|---------------|-------------------|
| Catalog Number | Item Name | Supply Voltage | Color  | Max Circuit Length | Nominal Width | Nominal Thickness |
| 498639-000     | HWAT-M    | 220 – 240 V    | Orange | 100 m              | 13.7 mm       | 7.6 mm            |
| 258015-000     | HWAT-L    | 220 – 240 V    | Yellow | 180 m              | 13.8 mm       | 6.8 mm            |
| 266435-000     | HWAT-R    | 220 – 240 V    | Red    | 100 m              | 16.1 mm       | 6.7 mm            |

ADDITIONAL PRODUCT DETAILS

Requires the use of a 30 mA residual current device (RCD) to provide maximum safety and protection from fire. All heating circuits have to be protected by C-type circuit breaker.

WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

**North America**  
Tel +1.800.545.6258  
Fax +1.800.527.5703  
[thermal.info@nvent.com](mailto:thermal.info@nvent.com)

**Europe, Middle East,  
Africa**  
Tel +32.16.213.511  
Fax +32.16.213.604  
[thermal.info@nvent.com](mailto:thermal.info@nvent.com)

**Asia Pacific**  
Tel +86.21.2412.1688  
Fax +86.21.5426.3167  
[cn.thermal.info@nvent.com](mailto:cn.thermal.info@nvent.com)

**Latin America**  
Tel +1.713.868.4800  
Fax +1.713.868.2333  
[thermal.info@nvent.com](mailto:thermal.info@nvent.com)

Our powerful portfolio of brands:

RAYCHEM PYROTENAX TRACER NUHEAT