

# HTV Self-Regulating Heating Cable



nVent RAYCHEM HTV self-regulating heating cable is designed for freeze protection or process temperature maintenance of pipes and vessels up to 205°C continuously, with a maximum exposure temperature of 260°C. The HTV cable has a solid construction with a high power retention (HPR) heating core and pressure extruded electrical insulation. It is then integrated with a robust metallic braid and a chemically resistant fluoropolymer outer jacket.

## FEATURES

High power retention (HPR) heating core

Power retention: At least 95% after 10 years

Design life: 30 years or more depending on application

Simplified design in hazardous area: T3 and T2

Longer circuit lengths due to larger cross section conductors

Fast installation: cut-to-length, multiple overlaps allowed, meter markings, user-friendly connections kits

Safe and efficient in operation: no overheating, uniform pipe temperatures, energy saving technology

Reliable during long life: 10 year product warranty available, maintenance free

## SPECIFICATIONS

|                                                                   |                                |
|-------------------------------------------------------------------|--------------------------------|
| <b>Max Maintain or Continuous Exposure Temperature, Power On:</b> | 205 °C                         |
| <b>Max Intermittent Exposure Temperature, Power On/Off:</b>       | 260 °C                         |
| <b>Max Cumulative Hours for Intermittent Exposure:</b>            | 2000 h                         |
| <b>Ground Path Type:</b>                                          | Braid                          |
| <b>Area Classification:</b>                                       | Non-Hazardous; Hazardous       |
| <b>Outer Jacket Material:</b>                                     | High Temperature Fluoropolymer |

Table 1/1

| Catalog Number | Supply Voltage | Nominal Power Output @ 10°C, 230V | Nominal Power Output @ 10°C, 120V |
|----------------|----------------|-----------------------------------|-----------------------------------|
| P000004312     | 90 – 130 V     |                                   | 9 W/m                             |

| Catalog Number | Supply Voltage | Nominal Power Output @<br>10°C, 230V | Nominal Power Output @<br>10°C, 120V |
|----------------|----------------|--------------------------------------|--------------------------------------|
| P000004313     | 90 – 130 V     |                                      | 16 W/m                               |
| P000004314     | 90 – 130 V     |                                      | 28 W/m                               |
| P000004315     | 90 – 130 V     |                                      | 32 W/m                               |
| P000004316     | 90 – 130 V     |                                      | 39 W/m                               |
| P000004317     | 90 – 130 V     |                                      | 49 W/m                               |
| P000004318     | 90 – 130 V     |                                      | 65 W/m                               |
| P000004319     | 190 – 277 V    | 9 W/m                                |                                      |
| P000004320     | 190 – 277 V    | 16 W/m                               |                                      |
| P000004321     | 190 – 277 V    | 25 W/m                               |                                      |
| P000004322     | 190 – 277 V    | 32 W/m                               |                                      |
| P000004323     | 190 – 277 V    | 38 W/m                               |                                      |
| P000004324     | 190 – 277 V    | 48 W/m                               |                                      |
| P000004325     | 190 – 277 V    | 64 W/m                               |                                      |
| 2000003152     | 190 – 277 V    | 90 W/m                               |                                      |

## 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.

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