XTVR Self-Regulating Heating Cable

nVent RAYCHEM XTVR self-regulating trace heating cables are mainly used for freeze protection of pipes and vessels that require steam cleaning and process temperature maintenance, up to 302 °F/150 °C. They withstand intermittent exposure to 482 °F/250 °C. The fluoropolymer outer jacket (-CT) provides high chemical resistance against aggressive organics and corrosives.

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 Unconditional or T6-T4 System classification
- 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

Max Maintain or Continuous Exposure Temperature, Power On:	150 °C
Supply Voltage:	200 – 277 V
Max Intermittent Exposure Temperature, Power On/Off:	250 °C
Max Cumulative Hours for Intermittent Exposure:	2000 h
Ground Path Type:	Braid
Area Classification:	Non-Hazardous; Hazardous
Outer Jacket Material:	High Temperature Fluoropolymer

Table 1/3

Catalog Number	Nominal Power Output @ 10°C, 230V	Color	Conductor Material	Conductor Quantity	Hazardous Area	Max Circuit Length

2000003070	9 W/m	Red	Tin-Plated Copper	2	Yes	245 m
2000003072	16 W/m	Red	Tin-Plated Copper	2	Yes	233 m
2000003073	25 W/m	Red	Tin-Plated Copper	2	Yes	175 m
2000003075	32 W/m	Red	Tin-Plated Copper	2	Yes	164 m
2000003076	38 W/m	Red	Tin-Plated Copper	2	Yes	140 m
2000003078	48 W/m	Red	Tin-Plated Copper	2	Yes	135 m
2000003080	64 W/m	Red	Tin-Plated Copper	2	Yes	110 m

Table 2/3

Catalog Number	Max Exposure Temperature	Min Bending Radius @ -60°C	Min Bending Radius @ 20°C	Min Installation Temperature	Nominal Cable Weight	Nominal Height
2000003070	250 °C	51 mm	13 mm	-60 °C	170 g/m	7.6 mm
2000003072	250 °C	51 mm	13 mm	-60 °C	170 g/m	7.6 mm
2000003073	250 °C	51 mm	13 mm	-60 °C	170 g/m	7.6 mm
2000003075	250 °C	51 mm	13 mm	-60 °C	170 g/m	7.6 mm
2000003076	250 °C	51 mm	13 mm	-60 °C	170 g/m	7.6 mm
2000003078	250 °C	51 mm	13 mm	-60 °C	170 g/m	7.6 mm
2000003080	250 °C	51 mm	13 mm	-60 °C	170 g/m	7.6 mm

Table 3/3

Catalog Number	Nominal Power Output @ 10°C, 240V	Nominal Thickness	Nominal Voltage	Nominal Width
2000003070	9 W/m	7.2 mm	208 V, 220 V, 230 V, 240 V, 277 V	10.8 mm
2000003072	16 W/m	7.2 mm	208 V, 220 V, 230 V, 240 V, 277 V	10.8 mm

Catalog Number	Nominal Power Output @ 10°C, 240V	Nominal Thickness	Nominal Voltage	Nominal Width
2000003073	26 W/m	7.2 mm	208 V, 220 V, 230 V, 240 V, 277 V	10.8 mm
2000003075	32 W/m	7.2 mm	208 V, 220 V, 230 V, 240 V, 277 V	10.8 mm
2000003076	39 W/m	7.2 mm	208 V, 220 V, 230 V, 240 V, 277 V	10.8 mm
2000003078	49 W/m	7.2 mm	208 V, 220 V, 230 V, 240 V, 277 V	10.8 mm
2000003080	65 W/m	7.2 mm	208 V, 220 V, 230 V, 240 V, 277 V	10.8 mm

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 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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