

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
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	Supply Voltage	Nominal Power Output @ 10°C, 230V	Color	Conductor Material	Conductor Quantity	Hazardous Area
2000003070	200 – 277 V	9 W/m	Red	Tin-Plated Copper	2	Yes

CatalogNumber	Supply Voltage	Nominal Power Output @ 10°C, 230V	Color	Conductor Material	Conductor Quantity	HazardousArea
2000003071	100 – 130 V	5 W/m	Red	Tin-Plated Copper	2	Yes
2000003072	200 – 277 V	16 W/m	Red	Tin-Plated Copper	2	Yes
2000003073	200 – 277 V	25 W/m	Red	Tin-Plated Copper	2	Yes
2000003074	100 – 130 V		Red	Tin-Plated Copper	2	Yes
2000003075	200 – 277 V	32 W/m	Red	Tin-Plated Copper	2	Yes
2000003076	200 – 277 V	38 W/m	Red	Tin-Plated Copper	2	Yes
2000003077	100 – 130 V		Red	Tin-Plated Copper	2	Yes
2000003078	200 – 277 V	48 W/m	Red	Tin-Plated Copper	2	Yes
2000003079	100 – 130 V		Red	Tin-Plated Copper	2	Yes
2000003080	200 – 277 V	64 W/m	Red	Tin-Plated Copper	2	Yes

Table 2/3						
Catalog Number	Max Circuit Length	Max Exposure Temperature	Min Bending Radius @ -60°C	Min Bending Radius @ 20°C	Min Installation Temperature	Nominal Cable Weight
2000003070	245 m	250 °C	51 mm	13 mm	-60 °C	170 g/m
2000003071	117 m	250 °C	51 mm	13 mm	-40 °C	170 g/m
2000003072	233 m	250 °C	51 mm	13 mm	-60 °C	170 g/m
2000003073	175 m	250 °C	51 mm	13 mm	-60 °C	170 g/m
2000003074	82 m	250 °C	51 mm	13 mm	-60 °C	170 g/m
2000003075	164 m	250 °C	51 mm	13 mm	-60 °C	170 g/m

CatalogNumber	Max Circuit Length	Max Exposure Temperature	Min Bending Radius @ -60°C	Min Bending Radius @ 20°C	Min Installation Temperature	Nominal Cable Weight
2000003076	140 m	250 °C	51 mm	13 mm	-60 °C	170 g/m
2000003077	61 m	250 °C	51 mm	13 mm	-60 °C	170 g/m
2000003078	135 m	250 °C	51 mm	13 mm	-60 °C	170 g/m
2000003079	48 m	250 °C	51 mm	13 mm	-60 °C	170 g/m
2000003080	110 m	250 °C	51 mm	13 mm	-60 °C	170 g/m

Table 3/3

Catalog Number	Nominal Height	Nominal Power Output @ 10°C, 120V	Nominal Power Output @ 10°C, 240V	Nominal Thickness	Nominal Voltage	Nominal Width
2000003070	7.6 mm		9 W/m	7.2 mm	208 V, 220 V, 230 V, 240 V, 277 V	10.8 mm
2000003071	7.6 mm	16 W/m		7.2 mm	110 V, 120 V	10.8 mm
2000003072	7.6 mm		16 W/m	7.2 mm	208 V, 220 V, 230 V, 240 V, 277 V	10.8 mm
2000003073	7.6 mm		26 W/m	7.2 mm	208 V, 220 V, 230 V, 240 V, 277 V	10.8 mm
2000003074	7.6 mm	32 W/m		7.2 mm	110 V, 120 V	10.8 mm
2000003075	7.6 mm		32 W/m	7.2 mm	208 V, 220 V, 230 V, 240 V, 277 V	10.8 mm
2000003076	7.6 mm		39 W/m	7.2 mm	208 V, 220 V, 230 V, 240 V, 277 V	10.8 mm
2000003077	7.6 mm	49 W/m		7.2 mm	110 V, 120 V	10.8 mm
2000003078	7.6 mm		49 W/m	7.2 mm	208 V, 220 V, 230 V, 240 V, 277 V	10.8 mm

CatalogNumber	Nominal Height	Nominal Power Output @ 10°C, 120V	Nominal Power Output @ 10°C, 240V	Nominal Thickness	Nominal Voltage	Nominal Width
2000003079	7.6 mm	65 W/m		7.2 mm	110 V, 120 V	108 mm
2000003080	7.6 mm		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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