

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 1/4

Catalog Number	Item Name	Supply Voltage	Nominal Power Output @ 10°C, 230V	Color	Conductor Material	Conductor Quantity
2000003070	3XTVR2-CT	200 – 277 V	9 W/m	Red	Tin-Plated Copper	2

CatalogNumber	Item Name	Supply Voltage	Nominal Power Output @ 10°C, 230V	Color	Conductor Material	Conductor Quantity
2000003071	5XTVR1-CT	100 – 130 V	5 W/m	Red	Tin-Plated Copper	2
2000003072	5XTVR2-CT	200 – 277 V	16 W/m	Red	Tin-Plated Copper	2
2000003073	8XTVR2-CT	200 – 277 V	25 W/m	Red	Tin-Plated Copper	2
2000003074	10XTVR1-CT	100 – 130 V		Red	Tin-Plated Copper	2
2000003075	10XTVR2-CT	200 – 277 V	32 W/m	Red	Tin-Plated Copper	2
2000003076	12XTVR2-CT	200 – 277 V	38 W/m	Red	Tin-Plated Copper	2
2000003077	15XTVR1-CT	100 – 130 V		Red	Tin-Plated Copper	2
2000003078	15XTVR2-CT	200 – 277 V	48 W/m	Red	Tin-Plated Copper	2
2000003079	20XTVR1-CT	100 – 130 V		Red	Tin-Plated Copper	2
2000003080	20XTVR2-CT	200 – 277 V	64 W/m	Red	Tin-Plated Copper	2

Table 2/4						
Catalog Number	Item Name	Hazardous Area	Max Circuit Length	Max Exposure Temperature	Min Bending Radius @ -60°C	Min Bending Radius @ 20°C
2000003070	3XTVR2-CT	Yes	245 m	250 °C	51 mm	13 mm
2000003071	5XTVR1-CT	Yes	117 m	250 °C	51 mm	13 mm
2000003072	5XTVR2-CT	Yes	233 m	250 °C	51 mm	13 mm
2000003073	8XTVR2-CT	Yes	175 m	250 °C	51 mm	13 mm
2000003074	10XTVR1-CT	Yes	82 m	250 °C	51 mm	13 mm
2000003075	10XTVR2-CT	Yes	164 m	250 °C	51 mm	13 mm

CatalogNumber	Item Name	HazardousArea	Max Circuit Length	Max Exposure Temperature	Min Bending Radius @ -60°C	Min Bending Radius @ 20°C
2000003076	12XTVR2-CT	Yes	140 m	250 °C	51 mm	13 mm
2000003077	15XTVR1-CT	Yes	61 m	250 °C	51 mm	13 mm
2000003078	15XTVR2-CT	Yes	135 m	250 °C	51 mm	13 mm
2000003079	20XTVR1-CT	Yes	48 m	250 °C	51 mm	13 mm
2000003080	20XTVR2-CT	Yes	110 m	250 °C	51 mm	13 mm

Table 3/4						
Catalog Number	Item Name	Min Installation Temperature	Nominal Cable Weight	Nominal Height	Nominal Power Output @ 10°C, 120V	Nominal Power Output @ 10°C, 240V
2000003070	3XTVR2-CT	-60 °C	170 g/m	7.6 mm		9 W/m
2000003071	5XTVR1-CT	-40 °C	170 g/m	7.6 mm	16 W/m	
2000003072	5XTVR2-CT	-60 °C	170 g/m	7.6 mm		16 W/m
2000003073	8XTVR2-CT	-60 °C	170 g/m	7.6 mm		26 W/m
2000003074	10XTVR1-CT	-60 °C	170 g/m	7.6 mm	32 W/m	
2000003075	10XTVR2-CT	-60 °C	170 g/m	7.6 mm		32 W/m
2000003076	12XTVR2-CT	-60 °C	170 g/m	7.6 mm		39 W/m
2000003077	15XTVR1-CT	-60 °C	170 g/m	7.6 mm	49 W/m	
2000003078	15XTVR2-CT	-60 °C	170 g/m	7.6 mm		49 W/m
2000003079	20XTVR1-CT	-60 °C	170 g/m	7.6 mm	65 W/m	
2000003080	20XTVR2-CT	-60 °C	170 g/m	7.6 mm		65 W/m

Table 4/4

Catalog Number	Item Name	Nominal Thickness	Nominal Voltage	Nominal Width
2000003070	3XTVR2-CT	7.2 mm	208 V, 220 V, 230 V, 240 V, 277 V	10.8 mm
2000003071	5XTVR1-CT	7.2 mm	110 V, 120 V	10.8 mm
2000003072	5XTVR2-CT	7.2 mm	208 V, 220 V, 230 V, 240 V, 277 V	10.8 mm
2000003073	8XTVR2-CT	7.2 mm	208 V, 220 V, 230 V, 240 V, 277 V	10.8 mm
2000003074	10XTVR1-CT	7.2 mm	110 V, 120 V	10.8 mm
2000003075	10XTVR2-CT	7.2 mm	208 V, 220 V, 230 V, 240 V, 277 V	10.8 mm
2000003076	12XTVR2-CT	7.2 mm	208 V, 220 V, 230 V, 240 V, 277 V	10.8 mm
2000003077	15XTVR1-CT	7.2 mm	110 V, 120 V	10.8 mm
2000003078	15XTVR2-CT	7.2 mm	208 V, 220 V, 230 V, 240 V, 277 V	10.8 mm
2000003079	20XTVR1-CT	7.2 mm	110 V, 120 V	108 mm
2000003080	20XTVR2-CT	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.

North America

Tel +1.800.545.6258

Fax +1.800.527.5703

thermal.info@nvent.com

**Europe, Middle East,
Africa**

Tel +32.16.213.511

Fax +32.16.213.604

thermal.info@nvent.com

Asia Pacific

Tel +86.21.2412.1688

Fax +86.21.5426.3167

cn.thermal.info@nvent.com

Latin America

Tel +1.713.868.4800

Fax +1.713.868.2333

thermal.info@nvent.com

Our powerful portfolio of brands:

RAYCHEM PYROTENAX TRACER NUHEAT