

BTV Self-Regulating Heating Cable



nVent RAYCHEM BTV self-regulating trace heating cables provide freeze protection and process temperature maintenance, up to 150 °F/65 °C, of pipes/vessels without steam cleaning requirements. They withstand intermittent exposure to 185 °F/85 °C and are hazardous area approved. The polyolefin outer jacket (-CR) is suitable for mild inorganic solutions. The fluoropolymer outer jacket (-CT) provides high chemical resistance against aggressive organics and corrosives.

FEATURES

Simplified design in hazardous area: unconditional T6 class

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/Off:	65 °C
Max Intermittent Exposure Temperature, Power On/Off:	85 °C
Ground Path Type:	Braid
Area Classification:	Non-Hazardous; Hazardous

Table 1/1

Catalog Number	Item Name	Supply Voltage	Outer Jacket Material	Nominal Power Output @ 10°C, 230V	Nominal Power Output @ 10°C, 120V
208489-000	5BTV1-CR	100 – 130 V	Modified Polyolefin		16 W/m
313747-000	5BTV1-CT	100 – 130 V	Fluoropolymer		16 W/m

Catalog Number	Item Name	Supply Voltage	Outer Jacket Material	Nominal Power Output @ 10°C, 230V	Nominal Power Output @ 10°C, 120V
414809-000	5BTV2-CR	200 – 277 V	Modified Polyolefin	16 W/m	
469145-000	3BTV2-CT	200 – 277 V	Fluoropolymer	9 W/m	
487509-000	5BTV2-CT	200 – 277 V	Fluoropolymer	16 W/m	
914279-000	3BTV2-CR	200 – 277 V	Modified Polyolefin	9 W/m	
002349-000	10BTV1-CR	100 – 130 V	Modified Polyolefin		33 W/m
008633-000	8BTV2-CT	200 – 277 V	Fluoropolymer	25 W/m	
413851-000	8BTV1-CR	100 – 130 V	Modified Polyolefin		26 W/m
479821-000	8BTV2-CR	200 – 277 V	Modified Polyolefin	25 W/m	
481491-000	8BTV1-CT	100 – 130 V	Fluoropolymer		26 W/m
516277-000	10BTV1-CT	100 – 130 V	Fluoropolymer		33 W/m
567513-000	10BTV2-CT	200 – 277 V	Fluoropolymer	29 W/m	
677245-000	10BTV2-CR	200 – 277 V	Modified Polyolefin	29 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 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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