

VPL POWER-LIMITING HEATING CABLE



nVent RAYCHEM VPL power-limiting trace heating cables are mainly used for process temperature maintenance applications that require steam cleaning, up to 455 °F/235 °C and withstand intermittent exposure to 500 °F/260 °C. VPL offers high power output at high temperatures, which can reduce the number of heating cables required and is hazardous area approved. Also suitable for freeze protection. The fluoropolymer outer jacket (-CT) provides high chemical resistance against aggressive organics and corrosives.

FEATURES

Efficient system design: high power output at elevated temperatures reduces heating cable required, flat P-T curve results in lower T start up and power equipment costs, longer circuit lengths due to larger cross section conductors

Maximum circuit length further increases when operating at higher voltages: reducing the number of circuits and power supply equipment

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 Continuous Exposure Temperature, Power Off	500 °F
Max Cumulative Hours for Intermittent Exposure	1000 h
Min Installation Temperature	-40 °F
Ground Path Type	Braid
Area Classification	Non-Hazardous; Hazardous
Outer Jacket Material	High Temperature Fluoropolymer

Catalog Number	Item Name	Supply Voltage	Nominal Power Output @ 50°F, 120V	Nominal Power Output @ 50°F, 240V	Nominal Power Output @ 50°F, 480V
005614-000	20VPL1-CT	100 – 120 V	20 W/ft	W/ft	W/ft
068380-000	15VPL2-CT	200 – 277 V	W/ft	15 W/ft	W/ft
181162-000	15VPL1-CT	100 – 120 V	15 W/ft	W/ft	W/ft
276822-000	10VPL1-CT	100 – 120 V	10 W/ft	W/ft	W/ft
451828-000	5VPL2-CT	200 – 277 V	W/ft	5 W/ft	W/ft
587458-000	5VPL1-CT	100 – 120 V	5 W/ft	W/ft	W/ft
589252-000	20VPL2-CT	200 – 240 V	W/ft	20 W/ft	W/ft

Catalog Number	Item Name	Supply Voltage	Nominal Power Output @ 50°F, 120V	Nominal Power Output @ 50°F, 240V	Nominal Power Output @ 50°F, 480V
892652-000	10VPL2-CT	200 – 277 V	W/ft	10 W/ft	W/ft
P000000678	5VPL4-CT	400 – 480 V	W/ft	W/ft	5 W/ft
P000000679	10VPL4-CT	400 – 480 V	W/ft	W/ft	10 W/ft
P000000680	15VPL4-CT	400 – 480 V	W/ft	W/ft	15 W/ft
P000000681	20VPL4-CT	400 – 480 V	W/ft	W/ft	20 W/ft

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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nVent reserves the right to change specifications without notice.