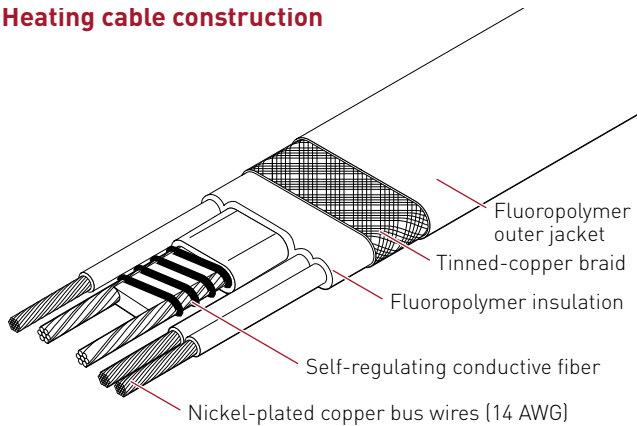


# Raychem VLKTV

## SELF-REGULATING HEATING CABLES FOR LONGLINE SYSTEMS

Electrical freeze protection and temperature maintenance in both nonhazardous and hazardous locations

### Heating cable construction



### PRODUCT OVERVIEW

VLKTV provides high-temperature maintenance for longline applications. VLKTV can also be used to provide low-temperature maintenance for long lines that are exposed to high temperatures. The VLKTV heating cable can withstand continuous exposure to temperatures up to 300°F (150°C), and intermittent exposure to 420°F (215°C).

The cables are configured for use in nonhazardous and hazardous locations, including areas where corrosives may be present.

VLKTV2-CT provides very long circuit length capability. It can be used for continuous circuit lengths of 1,000 (305 m) to 6,000 feet (1830 m), powered from a single source. VLKTV is especially well suited for tracing long pipelines containing temperature-sensitive fluids or where extreme reliability is required.

### APPLICATION

Area classification	Nonhazardous and hazardous locations
Traced surface type	Metal
Chemical resistance	Organic and aqueous inorganic chemicals and corrosives

### SUPPLY VOLTAGE

480–600 Vac 3-Phase, 4-Wire

### TEMPERATURE RATING

Maximum continuous exposure	300°F (150°C)
Maximum intermittent exposure (power on or off)	420°F (215°C)
Minimum installation temperature	-40°F (-40°C)

### TEMPERATURE ID NUMBER (T-RATING)

T2C: 446°F (230°C)  
Temperature ID numbers are consistent with North America national electrical codes.

Based on systems approach\* T3-T6

\* Raychem VLKTV heating cables are approved for T3 – T6 temperature classes when stabilized or controlled designs are used according to the requirements of applicable national and international approvals standards. Use TraceCalc Pro design software or contact Pentair Industrial Heat Tracing Solutions.

### CIRCUIT LENGTH

	480 Vac 3-Phase, 4-Wire	600 Vac 3-Phase, 4-Wire
Minimum length	1,000 ft (305 m)	2,000 ft (610 m)
Maximum length	5,000 ft (1,525 m)	6,000 ft (1,830 m)

**APPROVALS**

**Hazardous Locations**



Class I, Div. 2, Groups B, C, D  
Class II, Div. 2, Groups F, G  
Class III

**Nonhazardous Locations**



**DESIGN AND INSTALLATION**

For proper design and installation of a VLKTV system and connection kit selection, contact Pentair Industrial Heat Tracing Solutions. Literature is available via the Pentair Industrial Heat Tracing Solutions web site, [www.pentairthermal.com](http://www.pentairthermal.com).

**OMINAL POWER OUTPUT RATINGS ON INSULATED METAL PIPES**

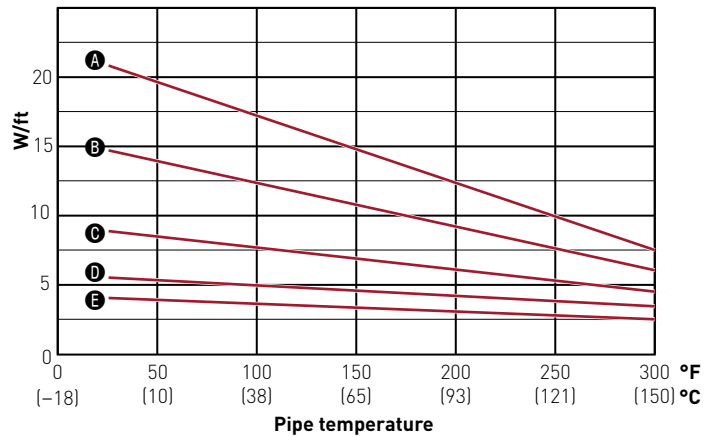
**Circuit length**

- A** 1,000 ft
- B** 2,000 ft
- C** 3,000 ft
- D** 4,000 ft
- E** 5,000 ft
- F** 6,000 ft

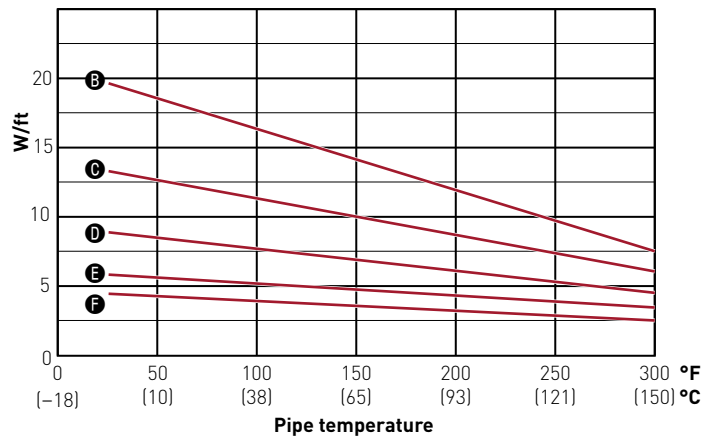
W/M = 3.28 X W/FT  
°C = 5/9 (°F-32)

\* For power output inside U-shaped channels, consult Pentair Industrial Heat Tracing Solutions.

**480 Vac  
3-Phase  
4-Wire**



**600 Vac  
3-Phase  
4-Wire**



**ORDERING DETAILS**

Description	Part number
VLKTV2-CT	429707-000

**CONNECTION KITS**

These connection kits must be used to ensure proper functioning of the product and compliance with warranty, code, and approvals requirements: VKK-System, VKK-S (splice).



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