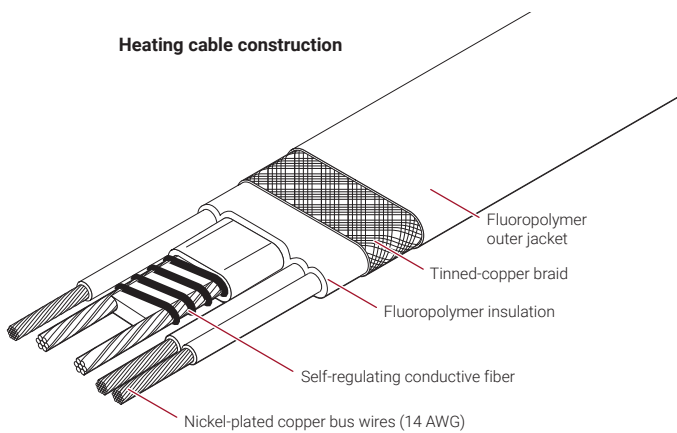


SELF-REGULATING HEATING CABLES FOR LONGLINE SYSTEMS ELECTRICAL FREEZE PROTECTION AND TEMPERATURE MAINTENANCE IN BOTH NONHAZARDOUS AND HAZARDOUS LOCATIONS

Heating cable construction



PRODUCT OVERVIEW

nVent RAYCHEM 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

* nVent 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 nVent RAYCHEM.

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 nVent. Literature is available via the nVent web site, www.nvent.com.

OMINAL POWER OUTPUT RATINGS ON INSULATED METAL PIPES

Circuit length

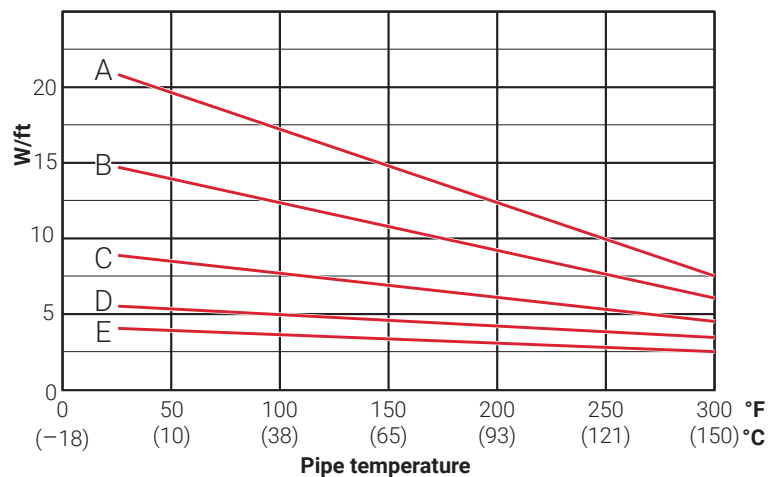
- A 1,000 ft
- B 2,000 ft
- C 3,000 ft
- D 4,000 ft
- E 5,000 ft
- F 6,000 ft

$$W/M = 3.28 \times W/FT$$

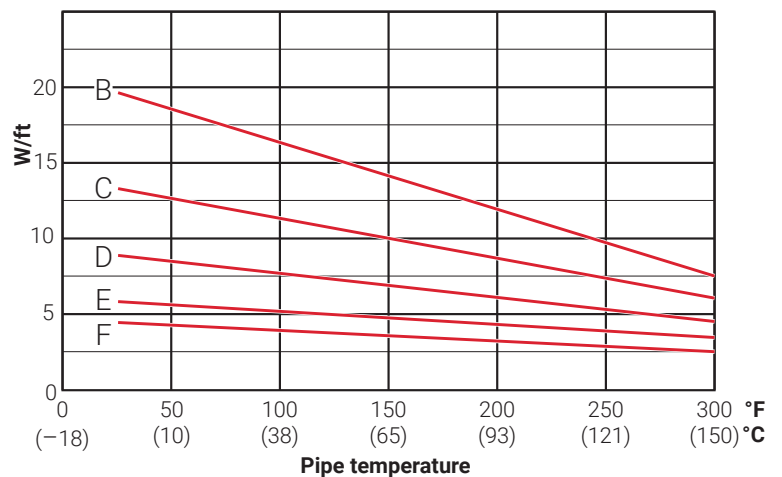
$$^{\circ}C = 5/9 (^{\circ}F - 32)$$

* For power output inside U-shaped channels, consult your nVent representative.

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).

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 +32.16.213.603
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



nVent.com

Our powerful portfolio of brands:

CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER