

Heat Trace Cable



Constant Wattage Heating Cable

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Tempco's Constant Wattage Heating Cables are all parallel resistance, low watt density electrical heaters designed to be cut to the desired lengths in the field, eliminating the need for prefabrications and reducing or eliminating many design and installation costs. No special training is required.

All Tempco Heating Cables are parallel circuit designed. The multi-stranded bus wires are covered in a high dielectric insulation. Spirally wrapped resistance wire maintains circuit continuity by connecting short, alternately spaced sections of exposed conductor bus wire. Cables feature moisture and chemical resistance

and are classed for hazardous locations when properly cut and spliced using the correct lead termination kit.

Metal Overbraid is provided on all heat tracing as standard to meet NEC code for grounding. The braid provides mechanical protection as well as a low resistance grounding path.

Tempco constant wattage heating cables are designed for a full range of applications. Whether your need is freeze protection or process temperature control of pipelines, water lines, oil lines or asphalt lines, Tempco has the cable for your special needs.



KE Style Heating Cables Maximum Temperature: 500°F (260°C)

The KE Style cable heating element is tension wrapped and covered with two layers of Kapton® film applied in reverse directions, then heat fused for moisture protection. A tinned copper overbraid is then added for additional abrasion protection and for a ground return path. The overbraid is further enclosed in a covering of 20 mm extruded Teflon® PFA for additional chemical and abrasion resistance.

Design Features

- * Temperature exposure rating 500°F (260°C)
- * Continuous electrical ground
- * Excellent moisture and chemical resistance
- * Hazardous location rating
- * FM approved

Typical Applications

- ↔ Oil Refineries
- ↔ Asphalt Plants
- ↔ Severe Arctic Cold
- ↔ Mines
- ↔ Pulp and Paper Mills
- ↔ Corrosive Environments
- ↔ Explosive Environments

Specifications

- Voltages Available:** 120, 208, 240, 480
- Wattages:** 4, 8, 12 (W/ft.)
- Outside Dimensions:** Nom. .330" x .225"
- Exposure Rating:** 500°F (260°C)
- De-Energized:** 550°F (302°C)
- Standard Metal Overbraid:** Tinned Copper
- Extruded Jacket:** Teflon®
- Moisture and Chemical Resistance:** Excellent
- Flame Resistance:** Outstanding
- Radiation Resistance:** Fair to Good

Agency Approvals

- * IEEE Std 515
- * Factory Mutual
 - Ordinary Locations
 - Hazardous Locations:
 - Class I, Division 2, Groups B, C & D
 - Class II, Division 2
 - Class III, Division 2

Ordering Information

Tempco's KE Constant Wattage Heat Trace Cable is sold by part number and length. The cable part number is put together as follows:

H T P 0 1

Wattage — watts/ft.

- 4 W/ft. = 4
- 8 W/ft. = 8
- 12 W/ft. = 2

Voltage

- 120 VAC = 1
- 240 VAC = 2
- 208 VAC = 3
- 480 VAC = 4

Outer Layer

- 0 = Standard Tinned Copper Braid



Note: Due to code requirements, KE cable has a metal overbraid.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.