

APPROVED

PRODUCT DATA SHEET

PCW HEATING TAPE

Suitable for pipe tracing applications up to 400°F

FM Approvals

Class I, Division 2, Groups B, C, D
Class II, Divisions 1 & 2, Groups F, G
Class III, Divisions 1 & 2 Ordinary Areas

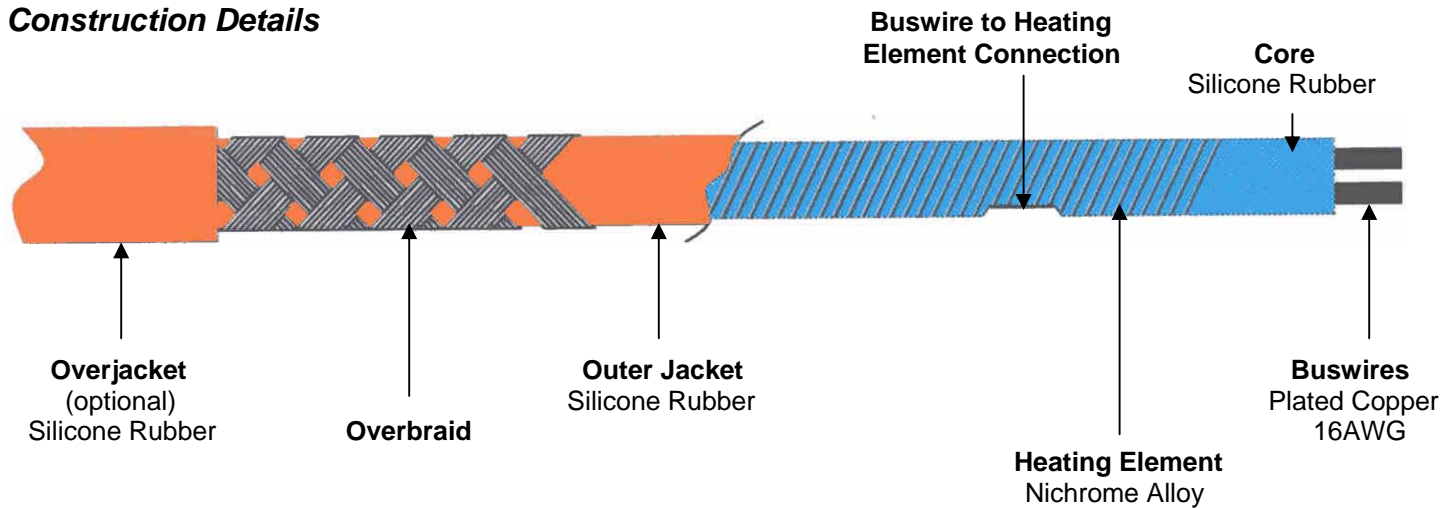
Introduction

The PCW heating tape is a parallel circuitry, constant wattage heater for pipe tracing. Using the most up to date components and production machinery results in the most technically accepted product for industry. This rugged heater gives uniform heat along its length.

The silicone rubber based heater is the ultimate in flexibility making it so easy to install in all types of installations. Pre-molded ancillary fittings allow for easy circuit termination.

A wide range of power outputs and voltages make this product ideal for temperature maintenance and/or heat raising applications.

Construction Details



Application Data

Table with 2 columns: Application Data and Description. Rows include Applications (Freeze Protection, Temperature Maintenance, Heat Raising), Maximum Exposure Temperature (400°F), Minimum Installation Temperature (-40°F), and Resistance to Moisture (Water Resistant).

Construction

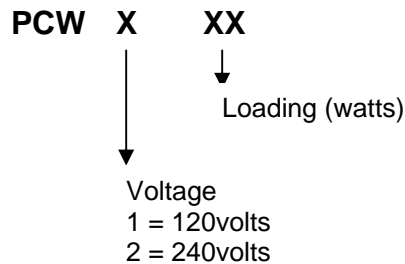
Tinned copper bus wires are extruded into a silicone rubber core. At precise intervals, a notch is made into the core to alternately expose the bus wires. A nichrome resistance wire is spiraled around the center core and is mechanically connected to the bus wires to give uniform contact. This is then extruded with silicone rubber as a continuous unbroken sheath. Overbraiding is applied to meet NEC 427.23.

Standard Product Range

Catalog Reference	Nominal Output		Operating Voltage	Zone Length	Maximum Circuit Length		Total Amps at Maximum Circuit Length
	(W/M)	(W/Ft.)			Meters	Feet	
PCW 1/15	15	4.5	120	39"	140	460	17.3
PCW 1/20	20	6.0	120	39"	120	395	19.8
PCW 1/30	30	9.0	120	39"	100	330	24.8
PCW 1/40	40	12.0	120	39"	76	250	25.0
PCW 1/50	50	15.0	120	39"	60	200	25.0
PCW 2/15	15	4.5	240	39"	244	800	15.0
PCW 2/20	20	6.0	240	39"	213	700	17.5
PCW 2/30	30	9.0	240	39"	190	625	23.4
PCW 2/40	40	12.0	240	39"	152	500	25.0
PCW 2/50	50	15.0	240	39"	122	400	25.0

The PCW heating tapes can be used on other voltages i.e. 110V/115V/127V or 277V/220V/208V with the resultant change in watts. For applications other than 120V or 240V, please consult Hotfoil.

Ordering Information



E.G.:
PCW120 = 120volt, 20 watts/meter or 6 watts/foot with Tinned Copper Braid

All PCW tape is supplied standard with tinned copper braiding. 304 stainless steel is optional. PCW tape can be oversheathed with silicone rubber. Add "S" to the ordering details, i.e. PCW120S.

Components

- PTK** – Power Termination Kit (for one circuit)
- SK** – Splice Kit
- TA** – Tee Splice Kit
- JB** – Junction Box, 19 cubic inch with three (3) ¾" entries.
Listed for wet locations with gasketed cover.

All heating systems must be adequately and correctly temperature controlled. Hotfoil will recommend a method for each applications relative to the on-site conditions.

hotfoil®

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Suggested Operating Temperatures of PCW Heating Tape

