



ENGINEERED SOLUTIONS
FOR HEATING & SENSING

ISO 9001-2015



HEAT TRACING SOLUTIONS



MARATHON HEATER (I) PVT. LTD.

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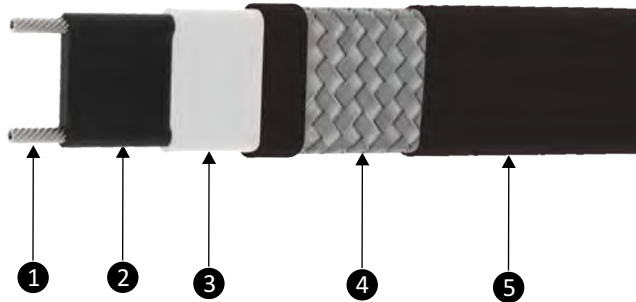
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SELF REGULATING HEATING CABLE

Construction

LTSRH



1. Bus wires
2. Semi-conductive self regulating matrix
3. Inner Jacket
4. Copper /Nickle plated copper
5. Outer Jacket

Introduction

Marathon Heaters self regulating heating cable provide the most versatility in heat trace design and applications. Constructed of a Semi-conductive heater matrix extruded between parallel bus wires, a self regulating cable adjusts its output to independently respond to ambient temperatures all along its length. As temperatures increase, the heater's resistance increase which lower the output wattage. Conversely, as the temperature decrease, the resistance decreases and the cable produces more heat. So it is no need thermostat in some applications. It will never overheat or burnout even when wrapped by itself(overlapped). It can be cut to any length. So it is a convenient ,easy use and energy saving product.

Construction Data

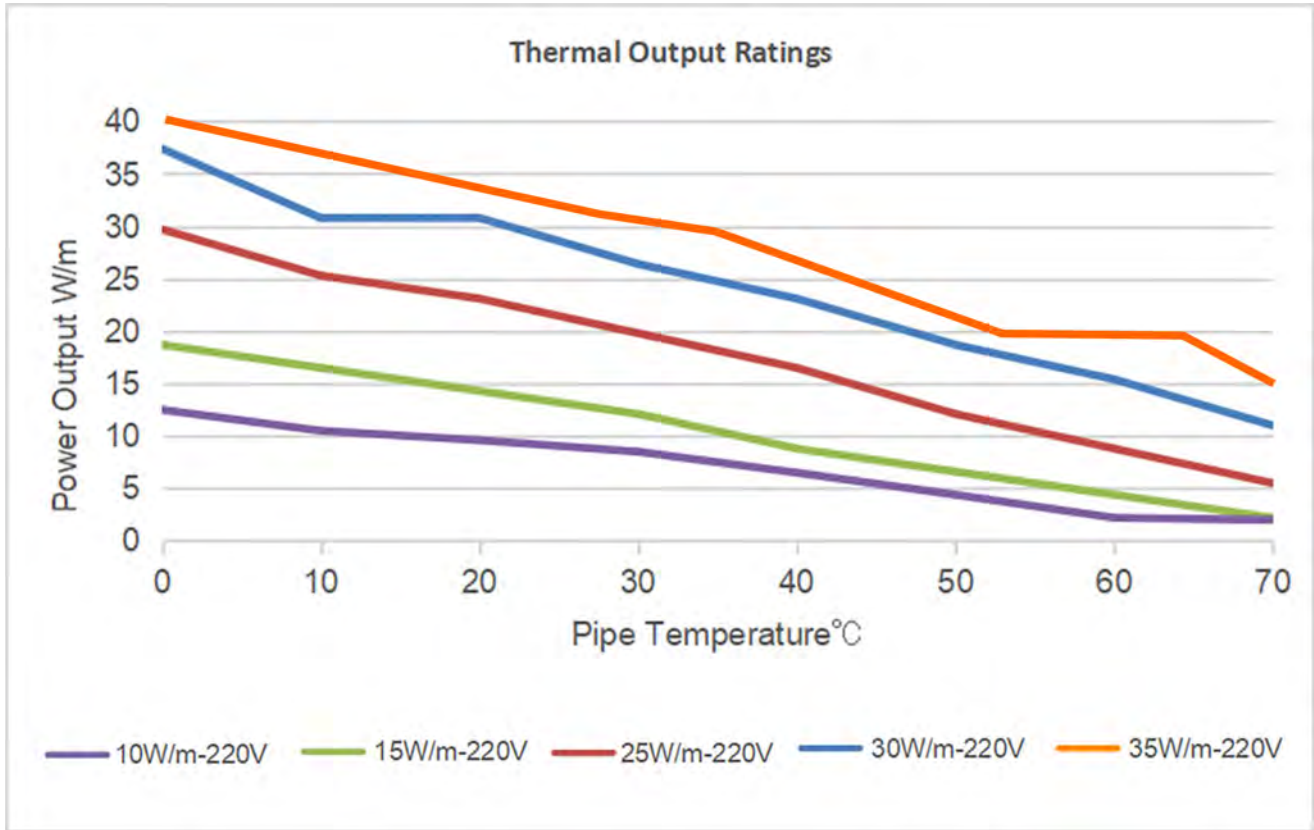
Buswire size	0.9 mm ² /1.3mm ² tinned copper/ NPC
Heating elements	PTC
Insulation	Polyolefin

Cable Specifications

Output wattage at 10°C	10, 15, 25, 30, 35 W/M
Braiding covering area	Over 85%
Max. maintain temp @ 10°C	65°C
Max. exposure temp.	105°C
Min.installation temp.	-40°C
Bending radius	5 times*cable thickness
Voltage	208-277 V
Insulation color	Black
Regular size to insulation	10*4mm (Width*Thickness)

SELF REGULATING HEATING CABLE

Graph of LTSRH



Max length(m)vs circuit breaker size

AC220V		Max circuit length(m) vs CB size		
Model	Start-up temp. °C	16A	20A	32A
LTSRH	10	78	90	118
	0	56	65	82
	-20	45	50	59
	-40	30	33	41