



ENGINEERED SOLUTIONS
FOR HEATING & SENSING

ISO 9001-2015



HEAT TRACING SOLUTIONS



MARATHON HEATER (I) PVT. LTD.

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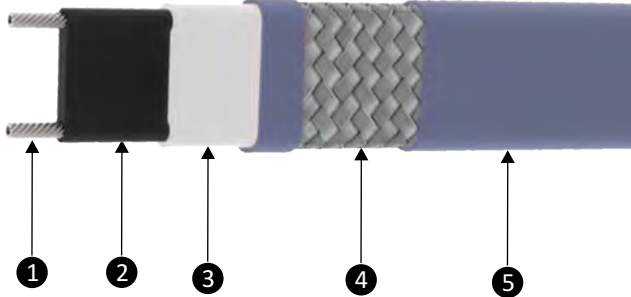
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SELF REGULATING HEATING CABLE

Construction

HTSRH



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 buswires, 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.

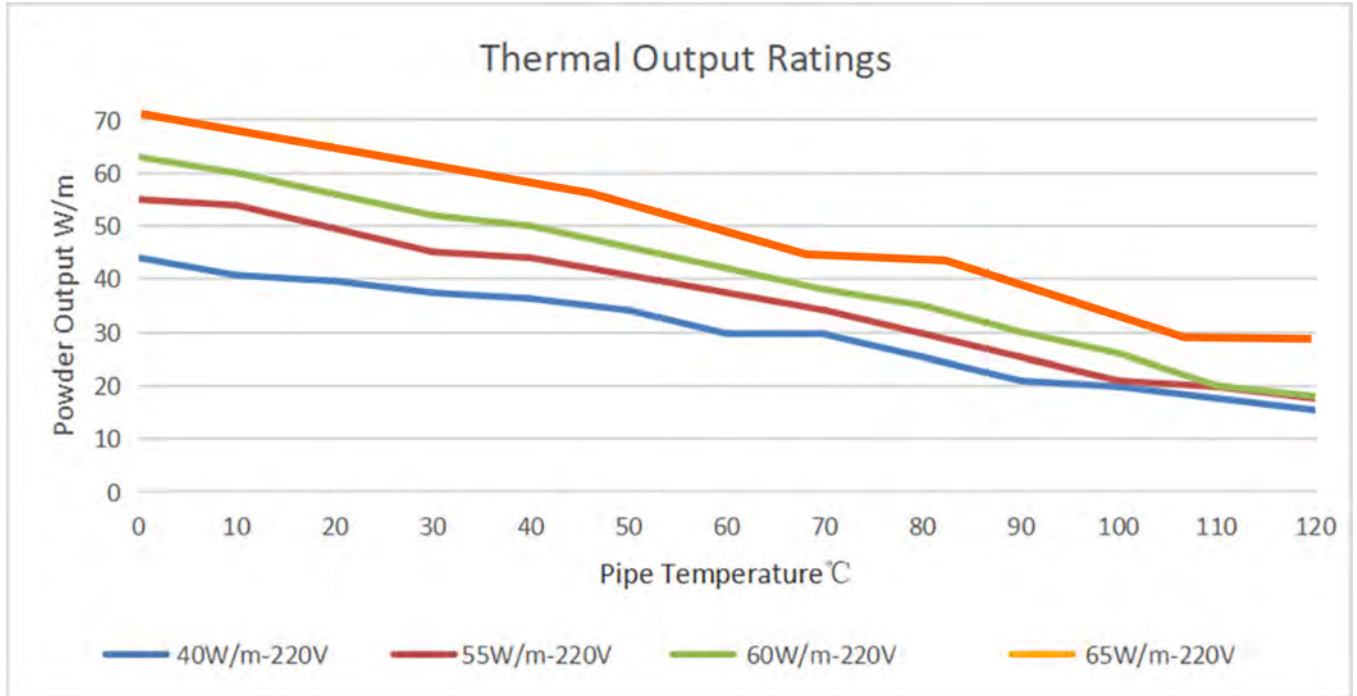
Construction Data

Buswire size	1.5mm ² nickel copper
Heating elements	Fluoropolymer heating mixture
Insulation	Fluoropolymer/FEP
Braiding	Tinned copper
Outjacket	Fluoropolymer/FEP

Cable Specifications

Output wattage at 10°C	40, 55, 60, 65 W/M
Braiding covering area	Over 85%
Max. maintain temp @ 10°C	135°C
Max. exposure temp.	205°C
Min.installation temp.	-40°C
Bending radius	10 times*cable thickness
Voltage	110-120/208-277 V
Insulation color	Dark Grey
Regular size to insulation	9.8*3.3 mm (Width*Thickness)

Graph of HTSRH



Max length(m)vs circuit breaker size

AC220V		Max circuit length(m) vs CB size	
Model	Start-up temp°C	32A	40A
HTSRH	10	53	66
	0	48	60
	-20	44	55
	-40	39	49