



ENGINEERED SOLUTIONS  
FOR HEATING & SENSING

ISO 9001-2015



## HEAT TRACING SOLUTIONS



**MARATHON HEATER (I) PVT. LTD.**

188A, B-169 (Part), B-188 & B-189 (A), Road No.-5, M.I.A., Madri, Udaipur, (Rajasthan.) INDIA 313 003

Ph.: +91 294 3507749, Fax: +91 294 3507731, Cell No. : +91 9351159988

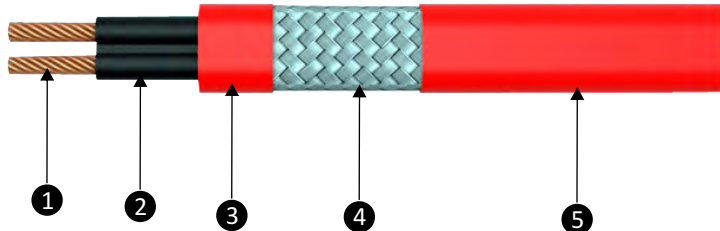
E-mail : [info@marathonheat.com](mailto:info@marathonheat.com), [akhil@marathonheat.com](mailto:akhil@marathonheat.com)

[www.marathonheat.com](http://www.marathonheat.com)

## CONSTANT WATTAGE SERIES HEAT TRACE

### Construction

**CWSHT**



1. Heating element
2. Heating element Insulation
3. Inner Jacket
4. Braiding
5. Outer Jacket

### Introduction

Series resistance-type heater cables use single or multiple resistive conductors to create a heating circuit. Power output of these cables is relatively constant and as voltage is applied, the power output is determined by a combination of the length of the cable and the overall resistance of the conductor. heating cable's current and resistance is equal to all length heating cable, so the heating value of each unit is equally, not result in the power of terminal end is lower than beginning end with the increasing length of heating cable, so it is suit for long line pipes and large diameter pipe's heat tracing or temp. maintenance, the cable can NOT cut to be length.

### Construction Data

Heating element	Nichrome / Copper Nickel
Heating element Insulation	PTFE
Inner Jacket	PTFE
Braiding	Tinne Copper Braid
Outer Jacket	PTFE

### Cable Specifications

Output wattage at 10°C	Customize W/M
Braiding covering area	Over 85%
Surface Temperature	200°C
Max. exposure temperature	230°C
Maximum Circuit Length	3 KM
Min Bending radius	45 mm
Voltage	230 V / Customise
Insulation	Red

### Maximum Circuit Length(M)

Voltage - 230 VAC			
Model	Wattage	Conductor Size (mm) <sup>2</sup>	Resistance 20°C Ohms/m
CWSHT	40	1.3	0.01492
	50	2.1	0.009449
	60	3.3	0.005945
	70	5.3	0.003478