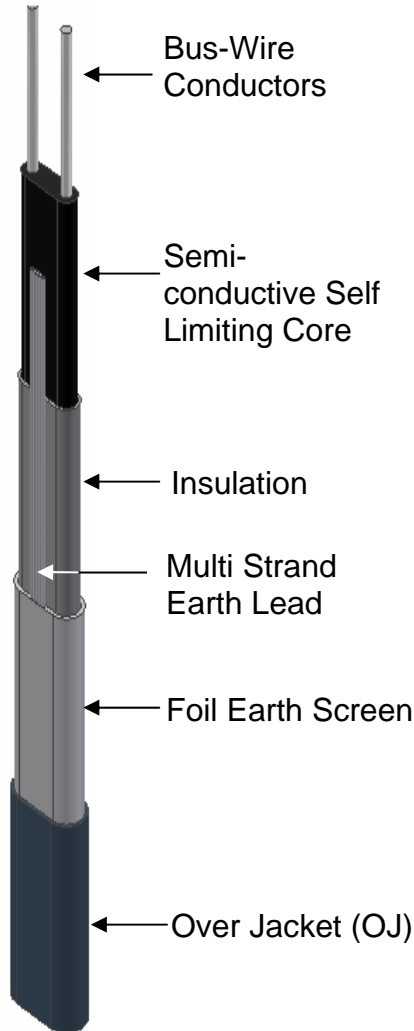




## HEATING TAPE TYPE H<sub>2</sub>OWAT



### SELF REGULATING HEATING TAPE – FOR MAINTAINING OF HOT WATER SYSTEMS

H<sub>2</sub>OWAT is a parallel resistance, cut to length on site self regulating heating cable designed to compensate for heat losses from hot water distribution systems, as well as offering the option to disinfect periodically against Legionella.

Type H<sub>2</sub>OWAT heating tape compensates for heat loss from hot water pipe work particularly where modern non-recalculating systems employing a single feed pipe are used. Feed pipe to hot taps cools rapidly under no-flow conditions and this can be overcome by tracing the pipe with heating tape under thermal insulation.

This will ensure that water is always available for draw-off at a constant temperature usually between 55°C and 65°C.

H<sub>2</sub>OWAT heating tape adjusts heat output to equal the heat loss from the pipe work. As pipe temperature falls under no-flow conditions H<sub>2</sub>OWAT increases output. As the pipe temperature increases under hot water flow conditions so output from H<sub>2</sub>OWAT decreases.

H<sub>2</sub>OWAT can be used with the 'DOMOCLICK' fast connection system for terminating and jointing on site.

### CONSTRUCTION

The heating tape has a core comprising two bus-wire conductors contained within an extruded semi-conductive self limiting heater core with an outer insulating polyolefin sheath.

The tape has an earth protection screen in the form of a Foil Jacket covering a multi strand earth lead.

The tape is finished with a further protective thermoplastic outer sheath over the earth screen.

## RANGE

TYPE	VOLTS	MAX CIRCUIT LENGTH (m)
H <sub>2</sub> OWAT55	230	120
H <sub>2</sub> OWAT65	230	100

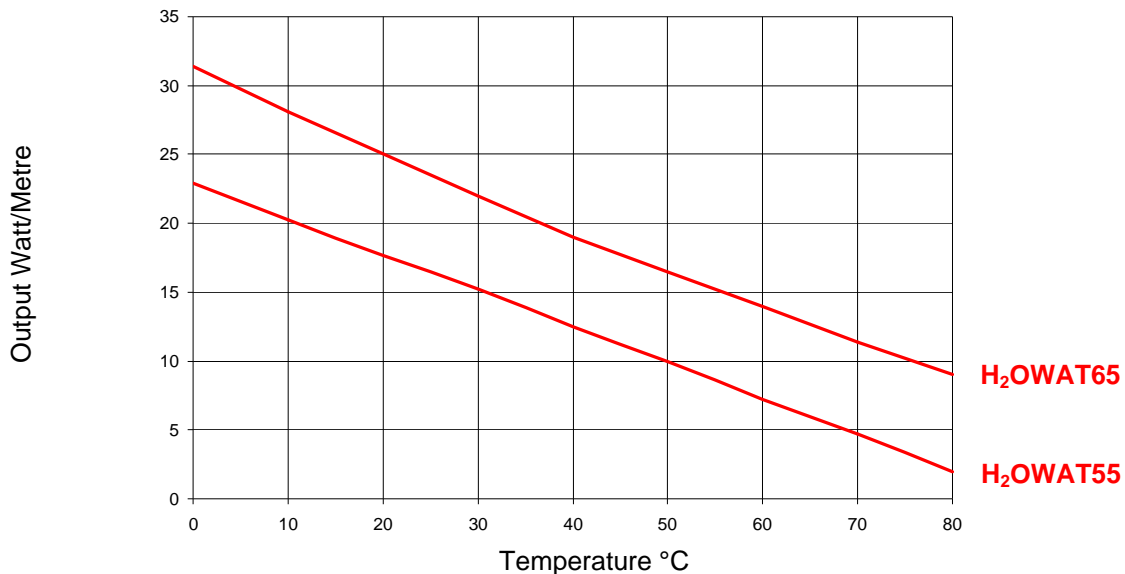
## SPECIFICATION

	<b>H<sub>2</sub>OWAT55</b>	<b>H<sub>2</sub>OWAT65</b>
Conductor Size	1.23mm <sup>2</sup>	1.23mm <sup>2</sup>
Size	10.1mm x 3.2mm	10.1mm x 3.2mm
Max Length	120m	100m
Protection Type C to BS EN 60898:1991	25A	35A

## TECHNICAL

Surface temperature maximum:	Continuous 100°C Intermittent 120°C
Power supply voltage:	230V Single Phase
Power:	
H <sub>2</sub> OWAT55:	22.5W/m @ 0°C – 9W/m @ 55°C
H <sub>2</sub> OWAT65:	31.4W/m @ 0°C – 13W/m @ 65°C

## OUTPUT



Circuit Breaker type C to EN60898

## INSULATION REQUIREMENTS

Pipe size (mm)	15	22	28	35	42	54
Insulation thickness (mm)	20	20	25	30	37	50

Assumed constant ambient of 18°C.

Thermal Conductivity = 0.035W/(m.K)