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THW C€ Self-Regulating Heating Tape

Electrical heating tape for temperature maintenance of hot water services in domestic and commercial buildings

- · Maintains hot water at desired temperature
- Eliminates the need for return pipework and re-circulating pumps
- Will not overheat or burnout, even when overlapped
- Hot water instantly available at each outlet
- Highly economical
- Full range of controls and accessories
- Available for 220/240VAC

Features

When hot taps are infrequently used, the water residing in the distribution pipework cools and is usually run to waste before hot water from the storage cylinder arrives at the tap.

The use of re-circulating systems usually only maintains the water temperature in the main pipes and doubles the amount of pipework from which heat, and therefore energy, is lost.

THW is a parallel resistance, self-regulating heating cable designed to compensate for heat losses from hot water distribution systems.

The heater comprises a semi-conductive self-regulating heating element which automatically reduces its power output as the pipe temperature increases. Thus, the heater cannot overheat or burn out.

By applying **THW** to the pipework (beneath the thermal insulation), heat losses are eliminated and the water is maintained at the required temperature. Further savings are achieved by removing the need for re-circulating pipework together with pumps, valves, etc.

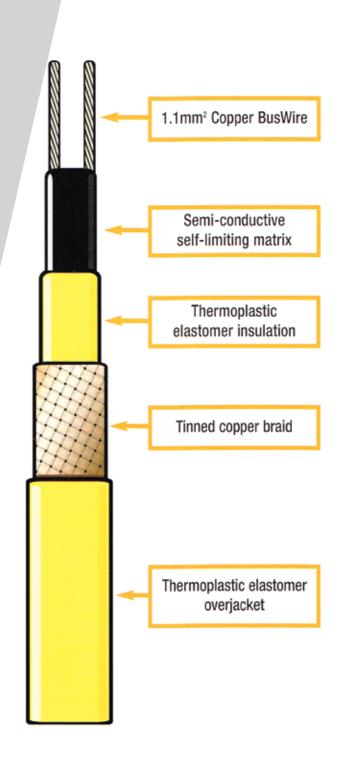
There are two **THW** systems available. **THW-R** is simply used to maintain the pipework at approximately 50-60°C, whilst **THW-P** is used to maintain 45-70°C during normal operation with an extra disinfection feature at timed intervals to reduce risks of legionella.

The application of **THW** to insulate hot water pipework enables hot water to be available at each tap and dramatically improves the system efficiency compared with un-insulated re-circulating pipework systems.

Options

THW-R THW REGULAR heating tape with a thermoplastic overjacket for maintaining the pipework at approximately 50-60°C.

THW-P THW PLUS heating tape with a thermoplastic overjacket for maintaining the pipework between 45-70°C with the added benefit of thermal disinfection.



	SPE	CIFICATION			
Maximum Temperature		80°C (176°F)			
Max. Permissible Temp De-energised (100 brs		100°C (212°F)			
Maximum Installation Temperature Power Supply		-40°C (-40°F)			
		220 - 240VAC (on demand 110 - 120VAC)			
Maximum Resistance of Protective Braiding		18.2 Ohm/km			
	Weig	hts and Dimensions			
Туре	Nom. Dims	Weight	Min.		
Ref	(mm)	kg/100m	Bending Radius		
THW	13.1 x 6.0	13.2	30mm		

Cat	Chart	(m) vs 230V					
Cat Reference	Start-up Temperature	6A		10A	16A	20/	
THW-R	18°C	56		92	128	-	
	0°C	38	- 3	64	102	12	В
THW-P	18°C	34		56	90	94	
	0°C	24			64	80	
For use with T	ype C circuit break	ers to	BS EN6	0898:19	991		
	RECOMMENDED	INSULA	TION TH	IICKNES	SS (mm)		
Cat	Maintain	Pipe Size (mm)					
	Temperature	15	22	28	35	42	54
THW-R	60°C	25	30	40	50	60	75
	55°C	20	25	30	40	50	60
	50°C	15	20	25	30	40	50
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