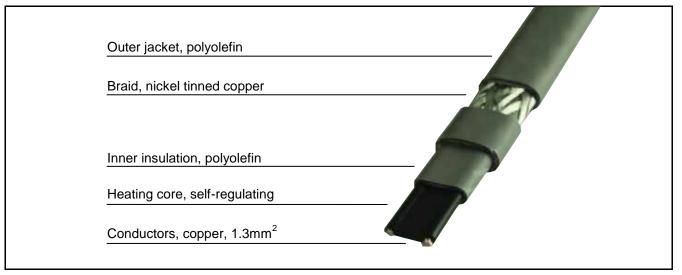
To prevent hot pipes from freezing and to maintain pipe temperatures.

Cable construction



Application										
Area type	General Purpose									
Contamination compatibility	Mild inorganic corrosives									
Host surfaces	Metallic and plastic piping									
Tracing contact	Common non-setting adhesives									
	Common thermoplastics and elastomers									
	Common paints									
	Common pipe insulation materials									
Physical attributes										
Conductor construction	Nickel plated copper, twisted strands									
Conductor size	1.3 mm ²									
Inner insulation material	Flame retardant polyolefin									
Earth braid construction	Nickel tinned copper									
Maximum earth braid resistance	18.2 Ω/km									
Outer jacket material	Insulative flame retardant polyolefin									
Voltage ratings	Inner insulation: 6kV, outer insulation: 3kV									
Nominal cross section dimensions	12.8 x 5.5 mm									
Marking	Every 1 metre: CE mark, ratings, length graduation, serial number									
Weight	0.102 kg/m									
Maximum withstand temperature	80°C, when energised*, 100°C when de-energised									
Minimum installation temperature	-50°C									
Minimum bend radius at 0°C	20mm (15mmØ copper pipe)									
	* In freeze protection applications, the highest temperature that de-energised SafeWat will be exposed to is nominally 5°C. Whilst LTHW is in service, SafeWat is de-energised because freeze protection is not necessary. When LTHW is taken out of service, its piping will cool, so to protect against freezing, SafeWat's TraceStat2L thermostat will monitor the pipe temperature and energise SafeWat should it measure 3°C. Later, when it measures 5°C, the thermostat will de-energise SafeWat whilst continuing to monitor the pipe temperature to protect against freezing.									
Traceheaters Limited 01483 8	25193 info@traceheaters.co.uk www.traceheaters.co.uk									

Self-regulating, parallel circuit electric trace heating cable. Withstands 100°C when de-energised.

Thermal Output													
Heat output at 230Vac on lagged metallic pipe.													
At 0°C	37.5 W/m												
At 5°C	35.5 W/m												
At 10°C	33.0 W/m												
Pipe Insulation													
Insulation thickness (mm) necessary to maintain nominally 5°C in a minimum ambient temperature of -15°C.													
	Outside Diameter of Pipe (mm)												
Insulation mean conductivity	15	22	28	35	42	48	54	76	89	114	168	219	
0.025 W/mK	15	15	15	15	15	15	15	15	15	15	15	15	
0.035 W/mK	20	20	20	20	20	20	20	20	20	20	20	20	
0.045 W/mK	6	6	6	6	6	6	9	9	13	13	19	25	
Please consult office: if piping is plastic, if pipe sizes are greater than 219Ø													
Power Supply													
Rating	240V AC ± 10%, 50Hz												
Protection	Type C or D breaker (BS EN60898) RCD recommended												
Local isolator	Unfused, typically the 20Amp rated, double pole type												
Maximum aggregate length of SafeWat permitted in a system according to breaker size and switch-on pipe temperature.													
	Breaker Size (Amps)												
Pipe temperature	6		10	16	6	20							
3°C	26n	n	44m	70	n	88m							
Ancillaries													
For precise thermostatic control and power supply connection	Trace	eStat2	digital	therm	ostat	with vo	olt-free	conta	cts for	[·] BMS,	±1°C.		
For conductor termination	TKH	20 kit											
For branch joints	JB42	20B tra	ice hea	ating ju	nction	box, d	connec	cts up	to fou	Safe	Wat ca	bles	
To fix SafeWat to the pipe	TP105 high temperature fixing tape and / or CN20048 tie-wraps												
To fix a TraceStat2 to the pipe	BS90) or BS	S280 p	ipe cla	mps								
	CN20048 tie-wraps												
To fix a JB420B to the pipe	CN2	0048 t	ie-wrap	DS									

Traceheaters Limited

01483 825193

www.traceheaters.co.uk