

EcoTrace RANGE

FIRST
TRACE HEATING
DIRECT

Features

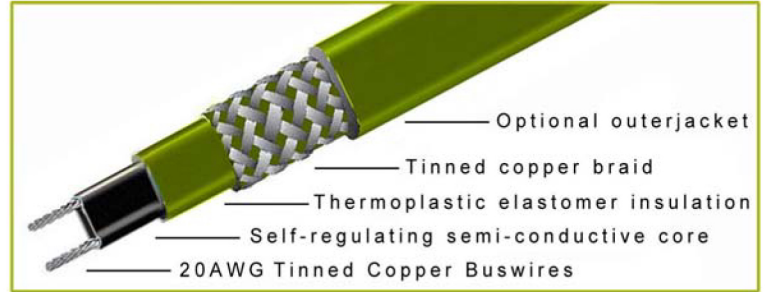
- Energy efficient, automatically varies its power output in response to pipe temperature changes.
- Easy to install, can be cut to any length (up to max circuit length) required on site with no wasted cable.
- Lower installed cost than steam tracing, less maintenance expense and less downtime.
- No overheat or burnout even when wrapped over itself (overlapped).
- Suitable for use in non-hazardous, hazardous and corrosive environments.

Description

EcoTrace increases or decreases the heat output in a self-regulating way depending on the change of the ambient temperature, so a thermostat may not be necessary in some applications and it will never overheat or burnout even when wrapped over itself (overlapped). With optional outerjacket, the heating cable is resistant to water and inorganic chemicals and protects against abrasion and impact damage. EcoTrace is suitable for use in explosion-hazardous areas up to a maximum admissible work-piece temperature of +85°C.

Appliance

EcoTrace is UL listed self-regulating parallel heating cable (heating tape) that provides safe, reliable heat tracing for freeze protection or temperature maintenance of pipes, valves, flanges. It is suitable for use on small diameter plastic or metal pipes and instrument tubing in residential/light commercial and similar applications.



Options

- EcoTrace-B** Tinned copper braid provides additional mechanical protection and a positive ground path.
- EcoTrace** Flame retardant thermoplastic overjacket protects against certain inorganic chemical solutions, it also protects against abrasion and impact damage.
- EcoTrace-CT** High Temperature Fluoropolymer overjacket is used for exposure to organic or corrosive solutions or vapours that may be present.

Technical data

<u>Service voltage</u>	110-120V, 220-277V
<u>Maximum maintain or continuous exposure temperature (power on)</u>	+85°C (149°F)
<u>Maximum intermittent exposure Temperature, 1000 hours (power on or off)</u>	+85°C (185°F)
<u>Minimum installation temperature</u>	-40°C (-40°F)
<u>Protective braid resistance</u>	< 18.2Ω/km
<u>Bus wire gauge</u>	20AWG
<u>Approvals</u>	

First Trace Heating Direct Limited
Chain Caul Road, Riversway, Preston
PR2 2PD

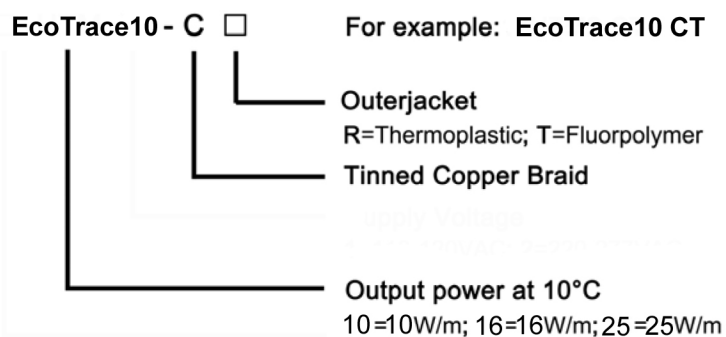
Sales@first-traceheating.co.uk
Tel: 01772 761333

EcoTrace RANGE

Dimension and weight

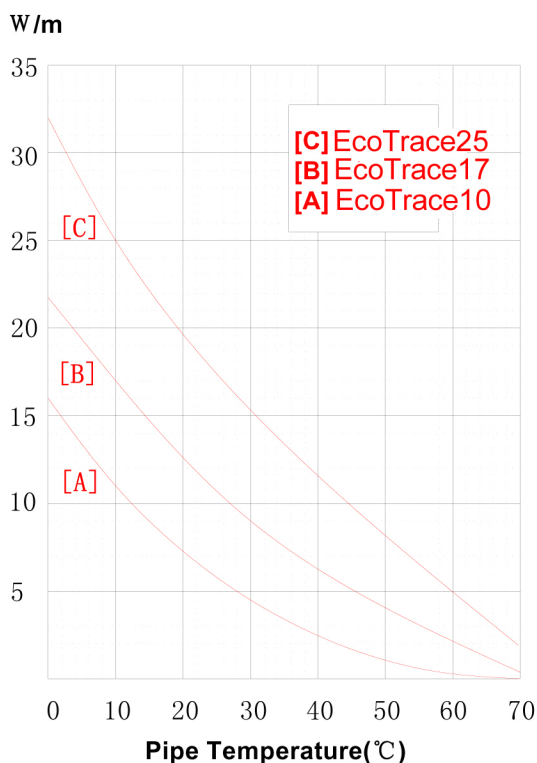
Type	Dimension	Min.bending radius	Weight (kg/100m)
EcoTrace..B	7.8×4.9mm	29mm	6.0
EcoTrace	8.6×5.7mm	34mm	7.5
EcoTrace..CT	8.0×5.1mm	30mm	7.1

Product ordering information



Power output curves

Nominal power output at 230V when EcoTrace is installed on insulated metal pipes.



Maximum length(m) vs circuit breaker size

Minimum Start-up temperature	Protection Size Amps	EcoTrace10 230V		EcoTrace16 230V		EcoTrace25 230V	
		ft	m	ft	m	ft	m
10°C(50°F)	10	403	123	278	85	213	65
	16	419	128	334	102	288	88
	20	419	128	368	112	383	117
0°C(32°F)	10	320	98	265	81	170	52
	16	393	120	324	99	252	77
	20	393	120	334	102	337	103
-20°C(-4°F)	10	265	81	183	56	111	34
	16	377	115	288	88	167	51
	20	419	128	334	102	229	70
-40°C(-40°F)	10	196	60	137	42	85	26
	16	314	96	223	68	111	34
	20	344	105	282	86	183	56