

- Heating tape should be installed on clean, dry pipe free from burrs, weld splatter or any rough, sharp projections.
- Heating tape may be straight traced or spiralled along the pipe. If straight traced, the heating tape should be held in place with adhesive tape at 300mm intervals. For spiral tracing, fixing at 1m intervals is suitable.
- Use the correct adhesive tape suitable for the temperature application.
- A 30mA trip Residual Current Circuit Device (RCCB) or Earth Leakage Circuit Breaker (ELCB) is recommended for use with heating tapes.
- If in doubt about electrical installation consult a qualified electrician.
- Use mineral or glass fibre insulation and ensure that it is kept dry for maximum efficiency.
- Fit warning labels supplied on the outside of thermal insulation at approximately 3-meter intervals.
- For PVC, ABS, Polythene and other 'Plastic' pipes use heating tape not exceeding 12 watts per meter and having an earth screen covering. It is recommended that heating tape be covered in 50mm wide adhesive aluminium foil. An RCC or ELCB unit must be used in conjunction with this type of installation.

- Intended use(s) Freeze protection and temperature maintenance, hot water lines, oil and chemical lines, sprinkler system mains and supply piping (as listed in Clause 1 BS EN 62395).
- Ground-fault equipment protection is required for each circuit
- De-energize all power circuits before installation or servicing
- Keep ends of trace heaters and kit components dry before and during installation
- Caution: Do not use in areas subject to high mechanical loads or impact, this heating tape is intended for use in applications with low risk of mechanical damage.
- The metal sheath, braid, screen or equivalent electrically conductive covering of the trace heater must be connected to an earth terminal
- The presence of the trace heaters shall be made evident by the posting of caution signs or markings at appropriate locations and/or at frequent intervals along the circuit.
- Heating tape should be installed on clean, dry pipe free from burrs, weld splatter or any rough, sharp projections.
- Heating tape may be straight traced or spiralled along the pipe. If straight traced, the heating tape should be held in place with adhesive tape at 300mm intervals. For spiral tracing, fixing at 1m intervals is suitable.
- Use the correct adhesive tape suitable for the temperature application.
- If in doubt about electrical installation consult a qualified electrician.
- Use mineral or glass fibre insulation and ensure that it is kept dry.
- Fit warning labels supplied on the outside of thermal insulation at approximately 3-meter intervals.
- For PVC, ABS, Polythene and other 'Plastic' pipes use heating tape not exceeding 12 watts per meter and having an earth screen covering. It is recommended that heating tape be covered in 50mm wide adhesive aluminium foil. An RCC or ELCB unit must be used in conjunction with this type of installation.
- The information contained within this data sheet regarding applications and installation of ESH Parallel Heating Tape is for guidance only. The user must satisfy them self that the tape is suitable for the intended application and does not contravene any safety requirements. If in doubt consult BS EN 62395 or other appropriate specifications or regulations.



TERMINATING & FIXING INSTRUCTIONS

Type JBWT2/3/4

Type JBVC2/3/4

Type JBSC2/3/4

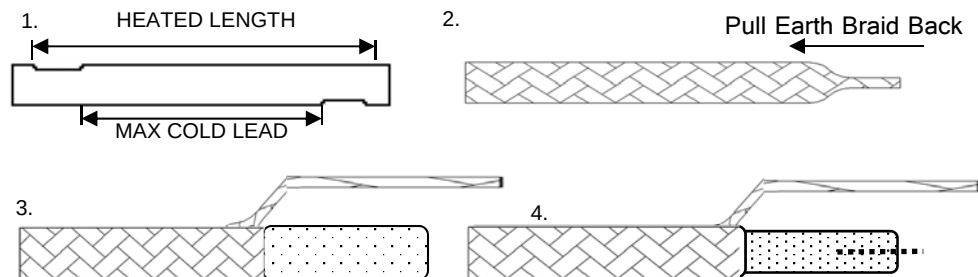
MOULDED SILICONE JOINT BOXES FOR WinterTrace®, VC AND SC HEATING TAPE

**ESH TRACE HEATING LTD
HAYBROOK, HALESFIELD 9,
TELFORD, SHROPSHIRE. TF7 4QW**

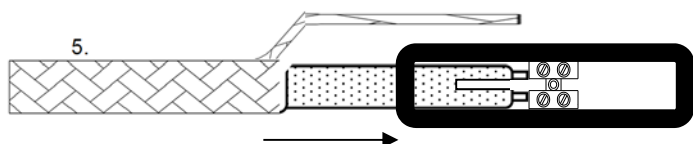
Tel (01952) 680266

Email: enquiries@eshltd.com Web Site www.eshltd.com

TERMINATION INSTRUCTIONS



- 1) Following installation of the heating tape (allowing 70mm after the last notch).
- 2) Pull back braid.
- 3) Pull the cable through the braid to form an earth lead. At termination end of tape prepare cold lead. Remove outer sheath for 25mm and unwind and remove any exposed heater element.
- 4) Separate conductors using a sharp knife, by cutting down the centre of the inner core.



- 5) Push heating tapes into joint, strip the ends of each conductor's oversheath and fit into terminal block.
- 6) Apply silicone adhesive to the lid of the joint box. Fit to the joint box and fix in place using fixing tape (sold separately).
- 7) Bring the Earth Braids together and crimp using the supplied crimp. Or fix in to existing earthing connections.

The joint Kits available allow the following jointing configurations:

2 way ('Through' joint) Kit References;

WinterTrace Heating Cable – Type JBWT2
VC Heating Cable – Type JBVC2
SC Heating Cable – Type JBSC2

3 way ('T' joint) Kit References;

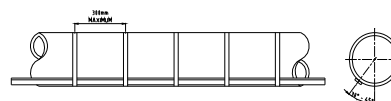
WinterTrace Heating Cable – Type JBWT3
VC Heating Cable – Type JBVC3
SC Heating Cable – Type JBSC3

4 way ('Cross' joint) Kit References;

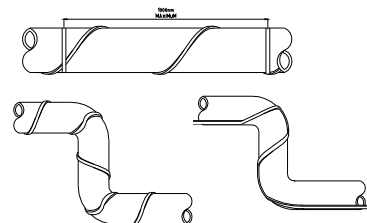
WinterTrace Heating Cable – Type JBWT4
VC Heating Cable – Type JBVC4
SC Heating Cable – Type JBSC4

Each consists of the following:

- Joint Moulding
- Terminal Block
- Earth Crimp
- Silicone Sealant
- Instructions

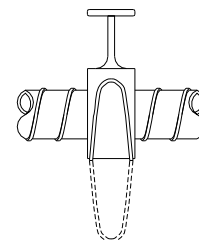


**HEATING TAPE
STRAIGHT TRACED FIXED
AT MAX 300MM**

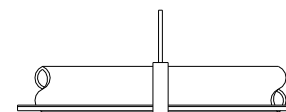


**HEATING TAPE SPIRALLY
TRACED FIXED AT
1000MM**

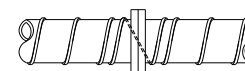
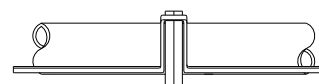
**WHEN SPIRAL TRACING KEEP TURNS
EVENLY SPACED
STRAIGHT TRACE ALONG THE OUTSIDE
OF THE BENDS**



**VALVES MAY BE TRACED WITH EXTRA
TAPE TO ENABLE REMOVAL OF THE VALVE**



**HEATING TAPE SHOULD PASS
THROUGH PIPE MOUNTING
SUPPORTS WITH CLEARANCE**



**FLANGE HEATING LOSS CAN BE
COMPENSATED BY ADDITIONAL
TRACING**