

Installing Energisers

Install Mains Energisers inside a shed. Cover Battery Energisers from weather. Use insulated underground cable for connection from energiser to live wire/s. Do not use COPPER WIRE or copper earth stake. USE GALVANISED WIRE/S AND EARTH STAKES.

Wire Connectors

To achieve a good electrical joint, use a wire Joint Clamp. Twisting wires is not recommended. For joining Earth Return wires, we recommend that a joint clamp be used also.

Wire

2.5mm high or medium Tensile galvanised wire is recommended.

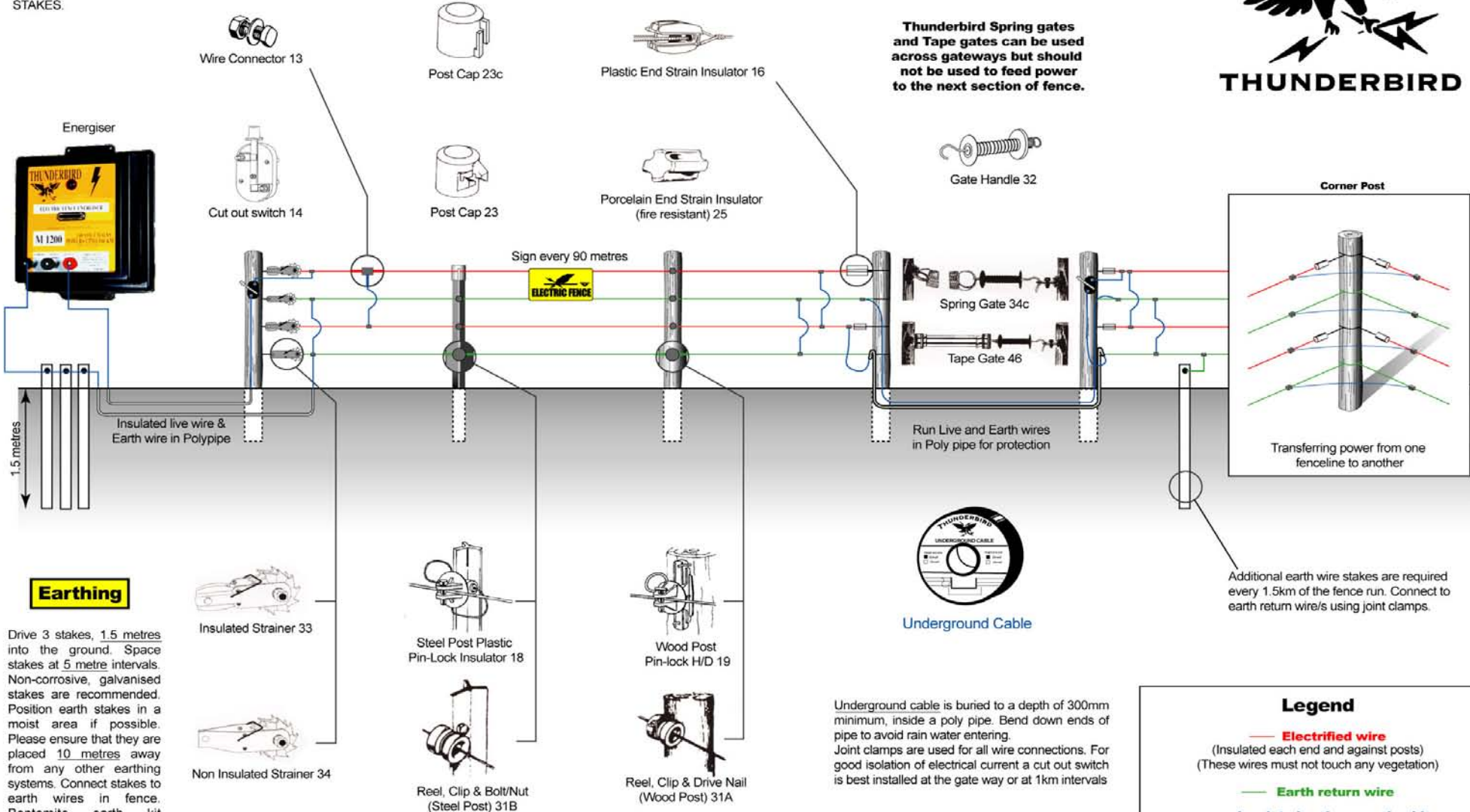
DO NOT USE BARBED WIRE IN ELECTIC FENCING

Paralleling Common Wire

To reduce voltage loss, join all live wires and earth wires together (live to live, earth to earth). Use underground cables and joint clamps. Parallel wires from start to finish of each strain.



Thunderbird Spring gates and Tape gates can be used across gateways but should not be used to feed power to the next section of fence.



Energiser

Wire Connector 13

Post Cap 23c

Plastic End Strain Insulator 16

Cut out switch 14

Post Cap 23

Porcelain End Strain Insulator (fire resistant) 25

Gate Handle 32

Sign every 90 metres



Spring Gate 34c

Tape Gate 46

Corner Post

Transferring power from one fenceline to another

1.5 metres

Insulated live wire & Earth wire in Polypipe



Underground Cable

Additional earth wire stakes are required every 1.5km of the fence run. Connect to earth return wire/s using joint clamps.

Earthing

Drive 3 stakes, 1.5 metres into the ground. Space stakes at 5 metre intervals. Non-corrosive, galvanised stakes are recommended. Position earth stakes in a moist area if possible. Please ensure that they are placed 10 metres away from any other earthing systems. Connect stakes to earth wires in fence. Bentonite earth kit improves earth efficiency.

Insulated Strainer 33

Steel Post Plastic Pin-Lock Insulator 18

Wood Post Pin-lock H/D 19

Non Insulated Strainer 34

Reel, Clip & Bolt/Nut (Steel Post) 31B

Reel, Clip & Drive Nail (Wood Post) 31A

Underground cable is buried to a depth of 300mm minimum, inside a poly pipe. Bend down ends of pipe to avoid rain water entering. Joint clamps are used for all wire connections. For good isolation of electrical current a cut out switch is best installed at the gate way or at 1km intervals

Legend

- **Electrified wire**
(Insulated each end and against posts)
(These wires must not touch any vegetation)
- **Earth return wire**
- **Insulated underground cable**
(To prevent power loss)

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