

Gardens at Night Additional Oversheath Joining Method

Some locations and fittings require further environmental sealing to a higher IP standard. Examples include soils or garden beds that retain moisture with poor drainage and areas of high condensation or pooling of water.

Joins are soldered and adhesive lined end caps are used as per the Standard Join, then an additional layer of adhesive lined tube is added to encapsulate all moisture entry points including air spaces between the inner and outer cable cores.

The light fittings below require **Additional Oversheath Joining Method**. Always refer to individual product specific Installation Sheet.

- Inground Light 1, 5, 8 & 11
- Inground Path Light 90D & 90Dx90D
Note: all installation locations require appropriate drainage
- Underwater Light 5 & 8
Note: Joins are to be terminated outside body of water
- Hanging Light 5
- Hanging Light 5 Speckle

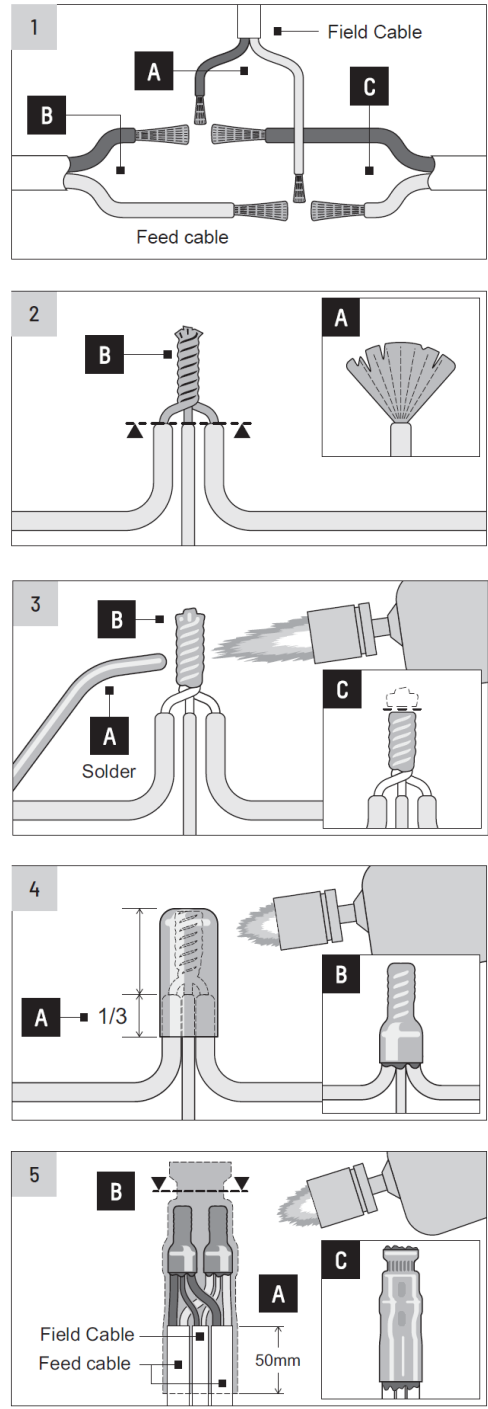
NOTE:

1. Gardens at Night fittings should only be connected to approved Gardens at Night 24VDC Constant Voltage (CV) Power Supplies. FAILURE TO DO SO WILL VOID WARRANTY.
2. Gardens at Night fittings must be wired in parallel and connected in accordance with installation instructions provided (including soldering of cable joins and sealing using Adhesive Lined End Caps). FAILURE TO DO SO WILL VOID WARRANTY.
3. Fittings are polarity sensitive and need to be connected positive (+) fitting lead to positive (+) incoming and exiting feed cables and negative (-) fitting lead to negative (-) incoming and exiting feed cables.
4. Do not carry fittings by lead as it may cause damage.
5. Do not connect fittings to constant current (CC) power supplies or AC transformers as this will cause permanent fitting failure and VOID WARRANTY.

* Butane Gas Torch and Solder available from Gardens at Night.

** Adhesive Lined End Caps are available in various sizes to suit different low voltage cable sizes. Caps should be at least 1/3 larger than join and available from Gardens at Night.

FITTING INSTALLATION INSTRUCTIONS – PARALLEL CONNECTION



- Cut and remove two solid tinned ends from Field Cable.
- Strip inner core insulation from Field Cable to expose strands (A).
- Cut incoming feed cable from power supply (B).
- Strip inner core insulation to expose copper strands from incoming feed cable (B) and exiting cable (C).
- Fan out all exposed copper strands (A).
- Tightly twist red field, feed and exiting cable (B), ensuring shoulders of inner core insulation remain aligned.
- Repeat for black cables.
- Heat twisted copper with Butane Gas Torch* and apply solder (A).
- Solder should fully penetrate all strands (B).
- Trim solder with side cutters and carefully remove any sharp edges (C).
- Repeat for other cable join.
- Place Adhesive Lined End Cap** over soldered join.
- Ensure 1/3 (minimum) of cap length overlaps inner insulation (A).
- Apply heat gently to end cap. Cap will collapse and encapsulate the join (B). Adhesive should be visible from the base of the cap.
- Repeat for other cable join.
- To oversheath cable joins:
 - Place adhesive lined heat shrink tubing or oversized Adhesive Lined End Cap** over red and black cable joins.
 - Ensure tube or cap covers outer insulation of cables by 50mm (A).
 - Apply heat gently. If using tubing, firmly pinch top of tube with pliers to seal (B).
 - Oversheath will collapse and encapsulate the joins. Adhesive should be visible from ends of oversheath (C).