

## Instructions joining RF cables to antenna:

1. Dismantle the connector
2. Thread each end of the cable through the outermost PG glands (one each end) of the connector
3. Par back the outer sheath (grey) of both broken parts for the cable, exposing 4 wires at each end (red, green white and black)
4. Strip each wire outer sheathing back circa 10mm.
5. Select the correct fitting bootlace ferrule and slide over the exposed wire
6. Use the crimping tool to crimp the ferrule onto the wire and check it is secure
7. Repeat for all wires
8. Insert red cable in numbered slot ie 1 on one side of the internal joining connector block and do the same with the corresponding colour from the other end of the cable, ie red to red, grn to grn.
9. Repeat with the other colours so all cables are now fitted to the internal joiner and the screws are tightened down on the ferrule ends.
10. Check each colour is connected to the same numbered connector on each side of the internal connector block
11. Reassemble the connector except for the two end PG glands
12. Test the system is working
13. If all is fine progress to next steps. If not then diagnose your connections are correct and ferrules are attached correctly
14. If all working then progress to next steps
15. Tighten connector bodies and one of the PG glands but not the other, leave this one undone for now
16. Waterproof resin-attach the 2 nozzles to the nozzle gun
17. Use vinyl gloves to protect hands for the next step and keep liquid resin away from water to prevent foaming
18. Inject resin into the open end of the connector until it's just short of the top
19. Keep upright for 10-15 minutes or until the resin has set-the connector may feel warm
20. Once set, fit and tighten down the PG gland.
21. Up-end the connector and repeat at the other end if resin has not filled this end up
22. The waterproof sealed connection has now been completed

