

Connector Attachment for Co-axial connectors

From the launch date, February 2005, the Evolution and Inspiration (Vision) rebreathers used a co-axial cable and push on connector. From May 2005, it was also a standard fit on the Inspiration Classics. It is essential to use only the APD supplied parts as using a different component manufacturer will result in faulty connections due to tolerance problems.

Glue lined heat shrink sleeving must be used.

- 1) Firstly push the blue boot onto the cable (picture not shown)
- 2) Cut the glue lined heat shrink sleeving (6mm dia) approx. 20 mm long.
- 3) Slide heat shrink sleeve onto cable followed by the gold sleeve.

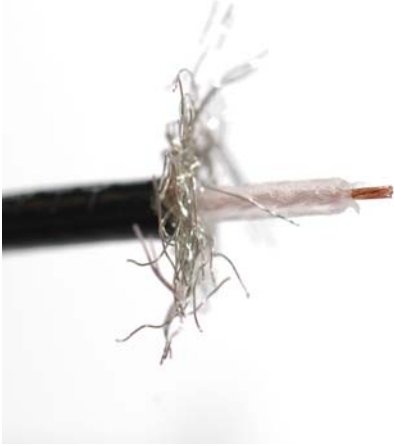


- 4) Cut back the outer insulation by 10mm.



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5) Pull the outer conductor back and then trim the inner insulation exposing 2mm of the inner core.



6) Insert the inner core so that it lies in the central “bridge”. Ensure the plastic inner insulation sleeve is protruding through into the central hole AND ensure the centre core does not touch the outer.



7) Solder the centre core to the centre bridge ensuring it does not touch across to the outer.



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8) Fold the outer conductor back over the gold side stem and trim the outer conductor so it will be covered by the gold sleeve when slid across into position.



9) Slide the gold sleeve over the side stem and push against the square section. This photo shows the gold sleeve hasn't been pushed on far enough.



10) Ensure the sleeve is pushed on against the square section.



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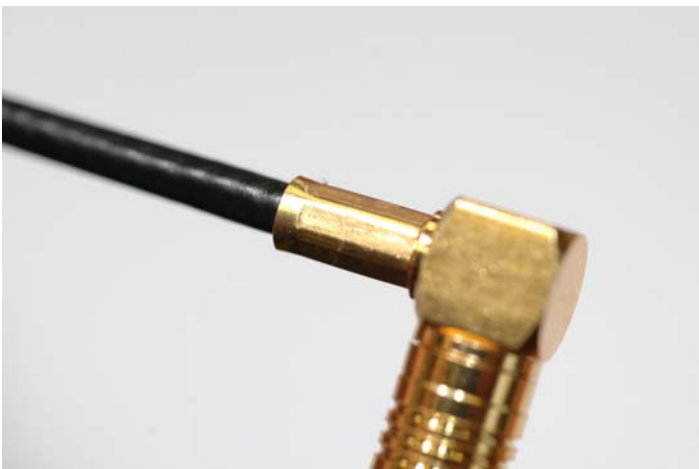
11) Only use RS crimp tool No. 456-778



12) Use the larger crimp hole



13) Finished crimp should look like this:



14) Slide the heat shrink over the gold sleeve and apply heat.



15) Fill the cavity with non-corrosive liquid silicone rubber.

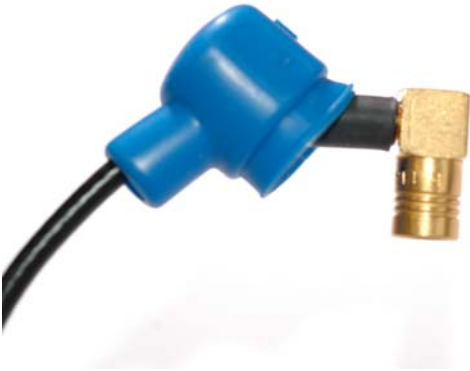


16) Push the gold cap onto the square section.



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17) Slide the blue cap back over the connector



18)

