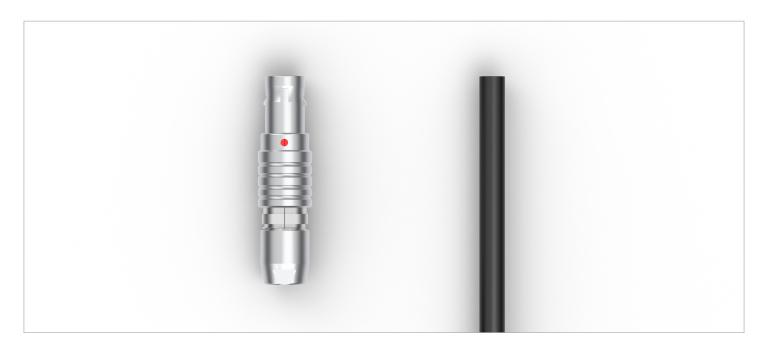
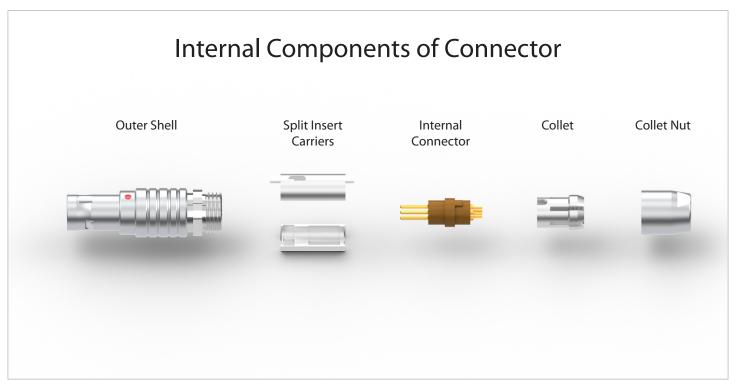
Push-Pull Locking Connector Instructions

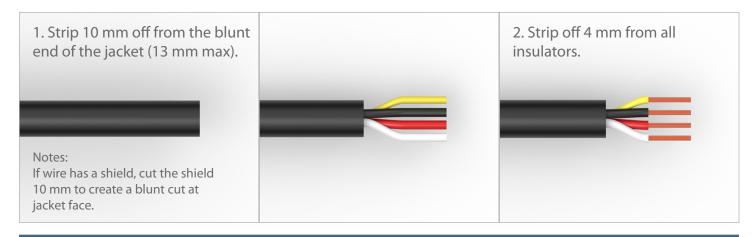
For use with Tensility's PPL connector series.

Materials Needed

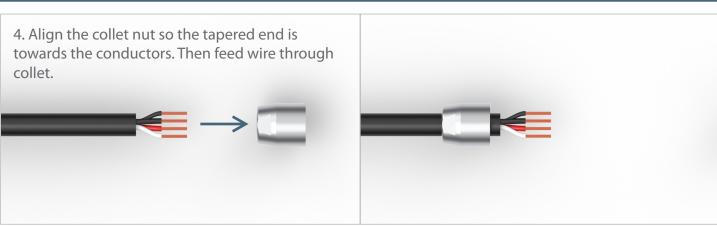
- ☐ PPL connector
- ☐ Soldering equipment
- ☐ Wire (reference specific connector spec for appropriate wire gauge and diameter requirements)









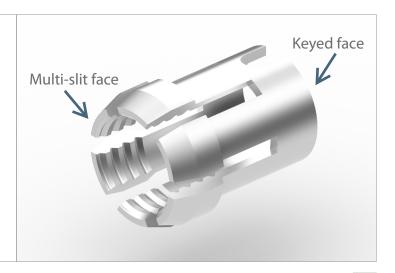


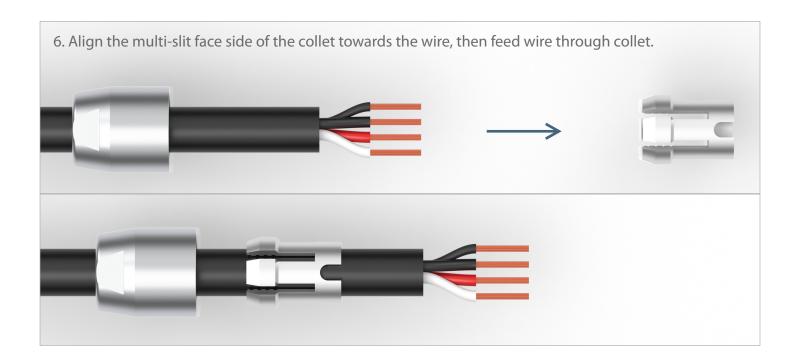
5. Defining the two sides of the collet.

Notes:

The Multi-slit face will grip the outer jacket of the wire.

The Keyed face interfaces with the internal connector.



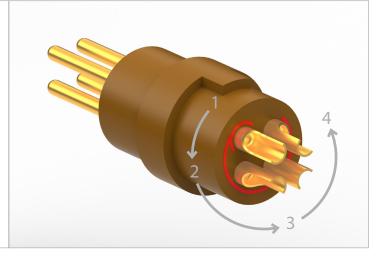


7. Reading the Insulator

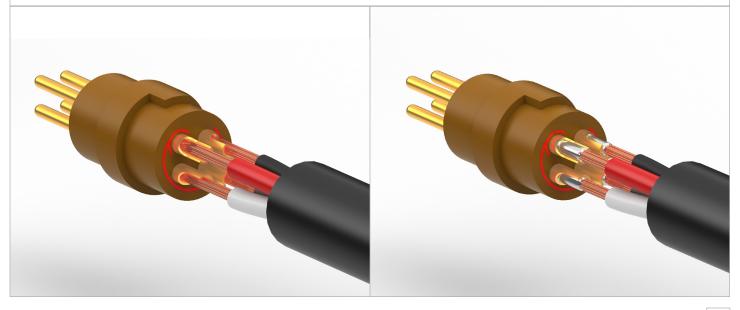
There is a pin numbering guide on the insulator.

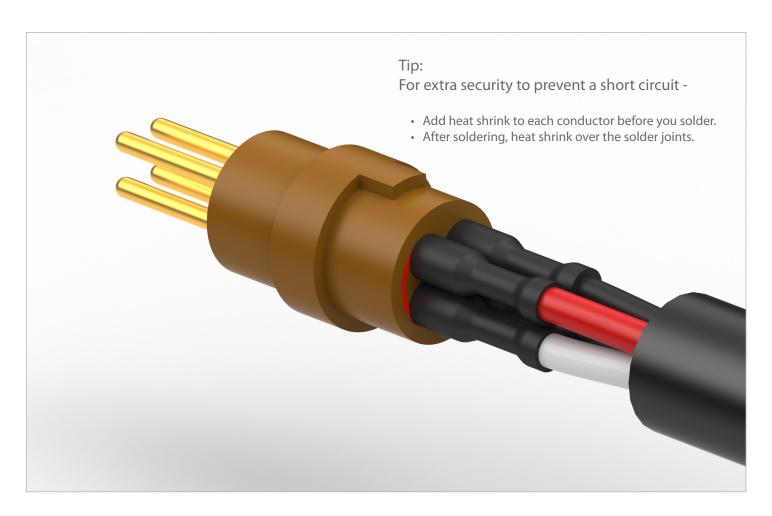
Pin numbering starts at 1 where the solder cup has a red semi-circle around it.

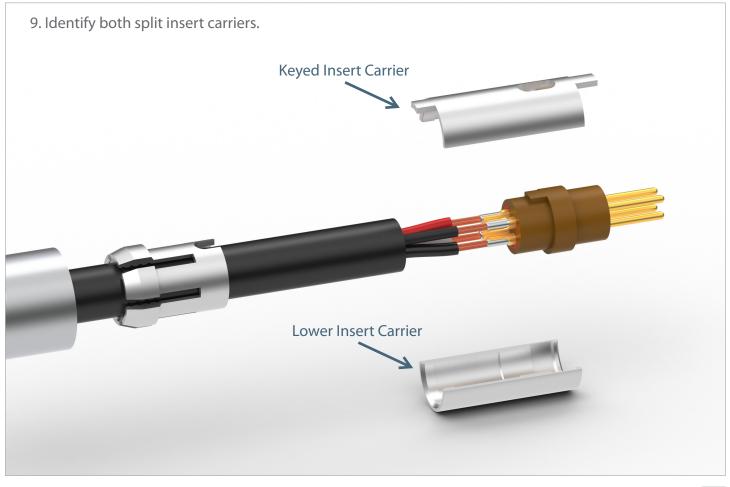
• Numbering follows the red line in sequential order

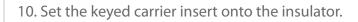


8. Align the internal connector with the solder cups and solder the conductors to their respective cups.

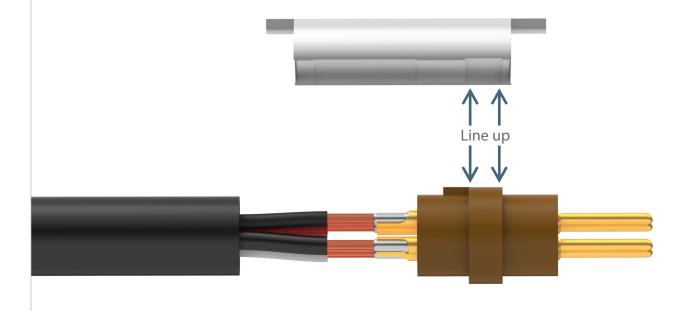








• When placed together, the notch on the insulator should key into the cutout on the insert.



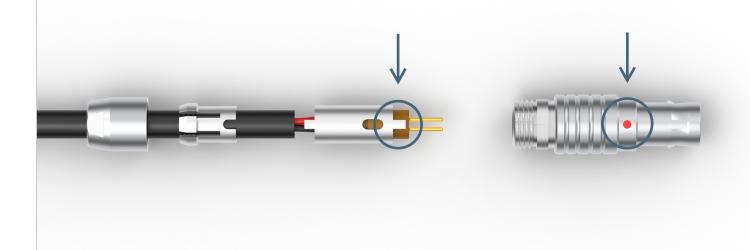
Note: The insert should not cover up the pins.

11. Place the lower insert carrier so it lines up with the keyed insert carrier to create a complete shell.

Note:

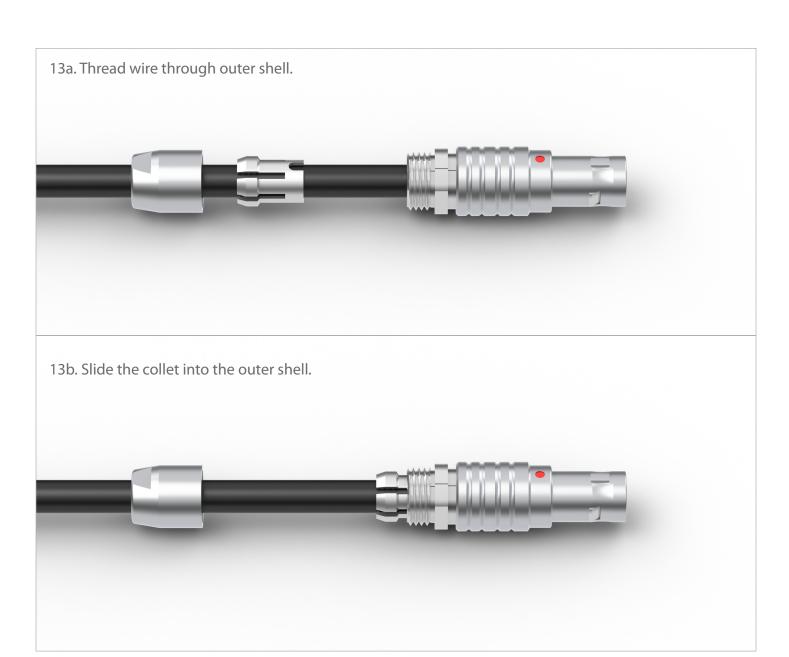
Hold the two halves together by hand until inserted in the outer connector shell.

12. Align the outer shell with the wire.



Note:

There are multiple key and grooves on the connector components. They should all be in line with each other.



14. Screw on the collet nut by hand. Do not over-tighten. Refer to connector spec for maximum torque.



Tip:

If you experience resistance when tightening the nut, don't force it. Make sure all the various keys are lined up with the grooves, and then try screwing the nut back on.

