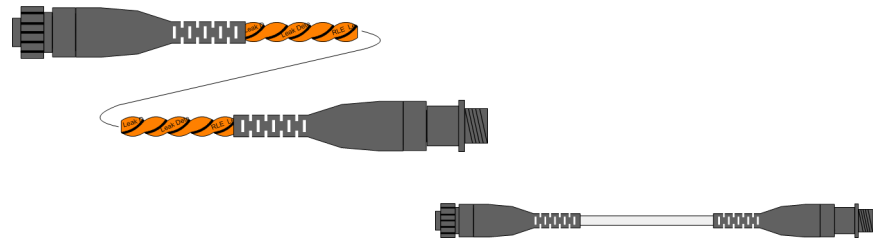


Cable Construction Guide



Thank you for purchasing the SeaHawk sensing (leak detection) and non-sensing cable construction kit (part number CCK-LD). This guide describes how to use this kit to construct cables in the length required for your application.

If you need further assistance, contact RLE Technologies on our website at <http://www.rletech.com/> (go to the **Support Link**) or by calling **970.484.6510, Option 2.**

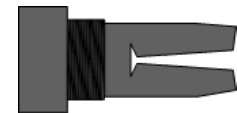
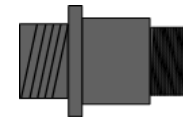
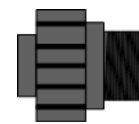
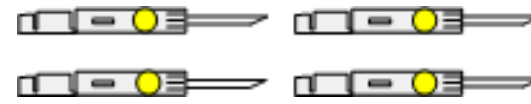
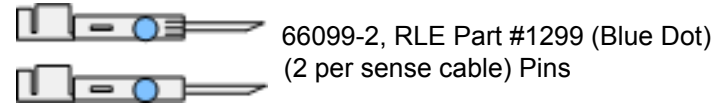
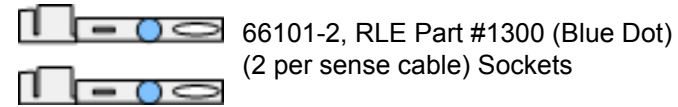


Supplies for Installation

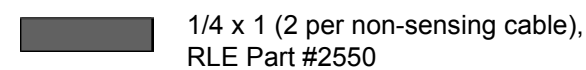
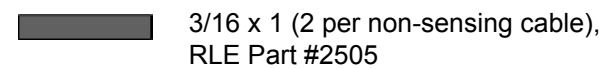
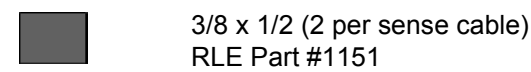
Sold Separately

- ◆ SeaHawk Leak Detection Cable (Sensing Cable), LD-SC-xx
- ◆ SeaHawk Non-Sensing Cable, LD-NSC-xx
- ◆ Crimp tool, SCPC
- ◆ Cable stripper, SCCS
- ◆ Leak Detection Cable Evaluator, LDCE

Contents of This Kit



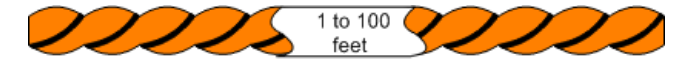
Shrink Tubing



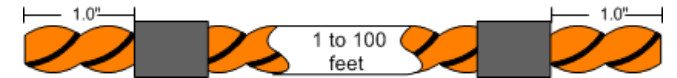
Sensing Cable Assembly

(Orange Cable, RLE #127)

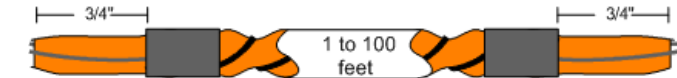
- 1 Spool the cable to the desired length (1' minimum to 100' maximum).



- 2 Slide the 3/8 x 1/2 inch (Part# 1151) shrink tube over each end of the sense cable. Shrink it with a heat source 1 inch from each end.

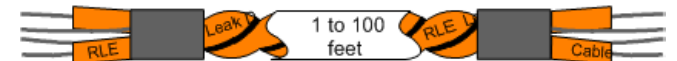


- 3 Using dikes or needle nose pliers, untwist the orange carrier above the shrink tube. Trim both ends to 3/4".



- 4 Split the orange carrier as far as the shrink tube and strip them 3/8".

Note: If you are not going to put the pins or sockets on at this time, leave the strip plug on the wires.



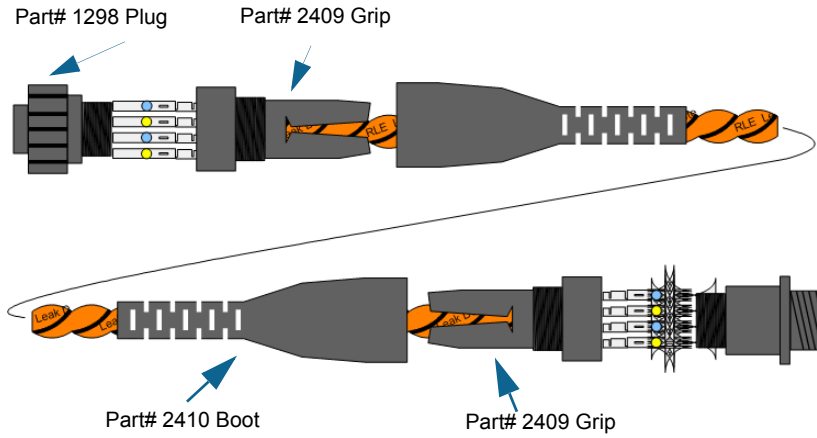
- 5 Crimp and solder the connector sockets (RLE Part#s1295 & 1300) on one side (*slide back the black braiding to expose approximately 1/8" of the silver wire before crimping*). Crimp and solder the connector pins (RLE Part# 1296 & 1299) on the opposite side (*slide back the black braiding to expose approximately 1/8" of the silver wire before crimping*).

Part#1295 (2) small black wires - Crimp & Solder
Part# 1300 (2) large orange wires - Crimp only

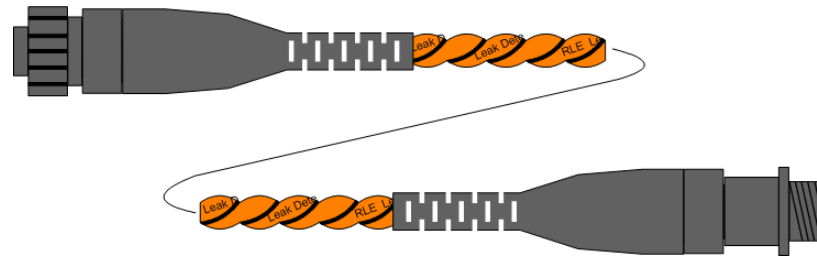


Part#1296 (2) small black wires - Crimp & Solder
Part# 1299 (2) large orange wires - Crimp only

- 6 Slide the grips (2) (Part# 2409) and boots (2) (Part# 2410) over both ends as shown below. Snap the sockets into the plug (Part# 1298) and the pins into the receptacle (Part# 1294) as follows: Orange wire with writing in pin 1, Orange wire with-out writing in pin 4, The black braided wires as they fall into pin 2 & 3 respectively.



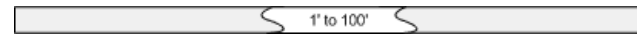
- 7 Screw the grips onto the plug and receptacle, and tighten by hand. Screw the boots onto the grips, and tighten by hand.



Non-Sensing Cable Assembly

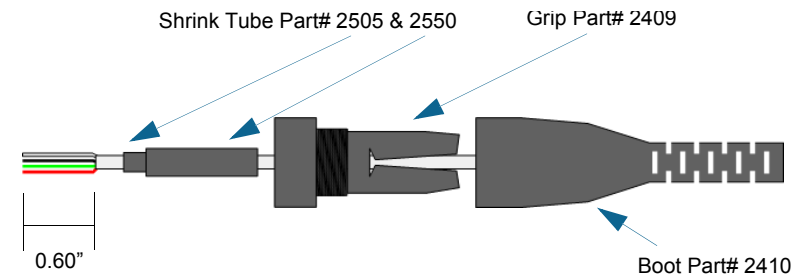
(White 4-conductor, plenum-rated cable, RLE #1657)

- 1 Spool the cable to the desired length (1' minimum to 100' maximum recommended).



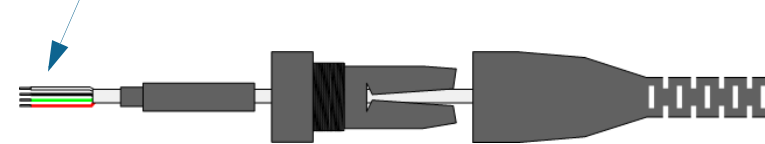
- 2 Strip the white jacket off of both ends (0.60") to expose the wires inside. Place a boot (Part# 2410), a grip (Part# 2409) and the shrink tubing (Part#s 2428 & 2550) over each end of the cable.

Note: Install in the previously stated order.

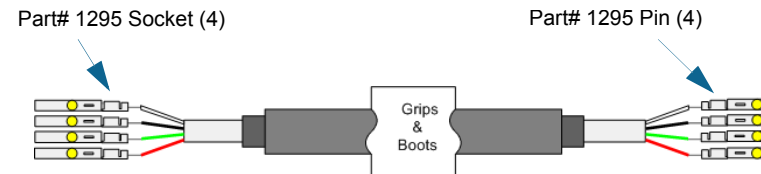


- 3 Strip the wires 0.10" on both sides.

Strip 0.10" (8 places, 4 per side)



- 4 Crimp the connector sockets (Part# 1295) on one side. Crimp the connector pins (Part#1296) on the opposite side.

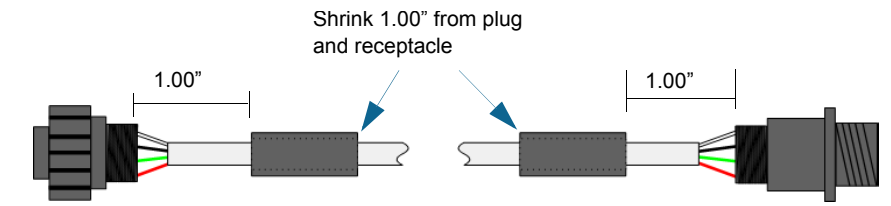


- 5 Snap the sockets into the plug (Part# 1298). Snap the pins into the receptacle (Part#1294). White: pin 1; Black: pin 2; Green: pin 3; Red: pin 4.

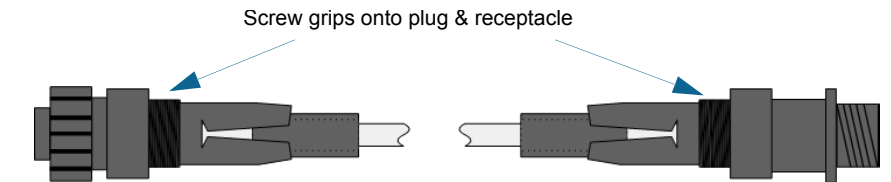


- 6 Shrink the heat shrink tubes with a heat source 1 inch from the plug and receptacle as shown below.

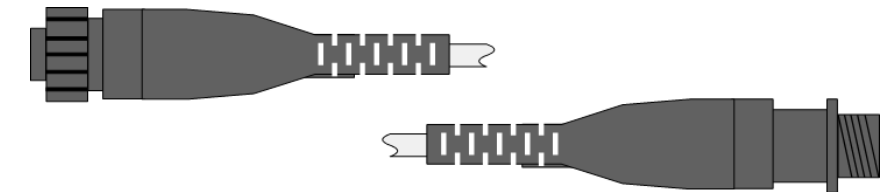
Note: Place the smaller shrink tube inside the larger one and shrink together.



- 7 Screw the grips onto the plug and receptacle as shown below.



- 8 Screw the boots onto the grips as shown below.



- 9 The finished cable should look like the one below.

