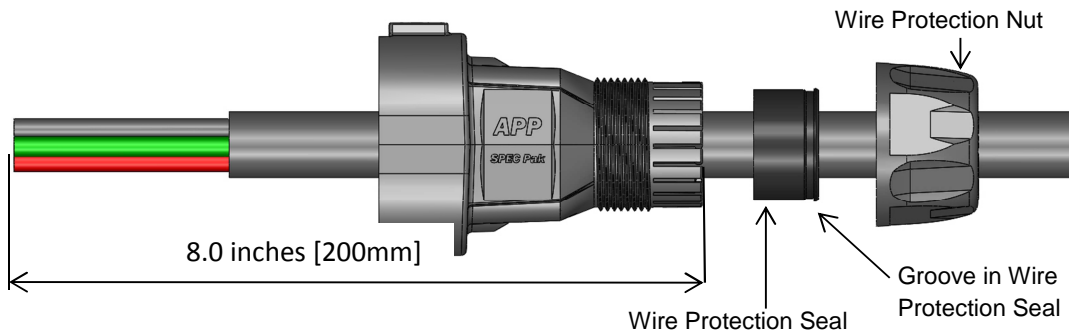


**Mid Power SPEC Pak®**  
**SK1-076D05 & PK1-076DA5**  
**In-Line Receptacle (Socket) Assembly Instructions**

**1. Wire Protection**

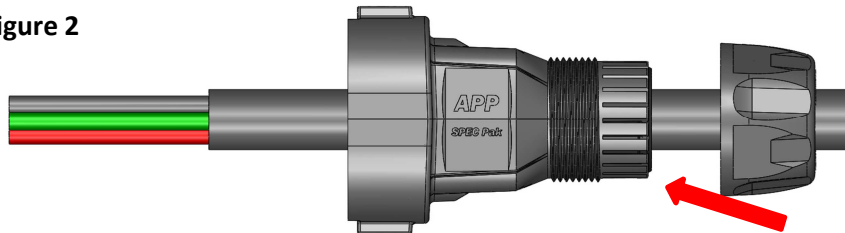
- a. Strip 2-1/8" to 2-1/4" (54 to 57 mm) from the outer cable jacket, if applicable.
- b. If needed, lubricate individual wires using Isopropyl alcohol. **WARNING:** Dry thoroughly before energizing the circuit. Follow all cautions on the lubricant container.
- c. Slide a minimum of 8 inches (200 mm) of wires through wire protection nut, wire protection seal (with the groove facing the wire protection nut) and plug shell. ( See figure 1)

Figure 1



- d. Insert wire protection seal into shell. (See figure 2)

Figure 2



**2. Prepare Wires**

- a. Strip individual wire(s) taking care not to damage the copper conductor. (See Table 1)

APP Contact Part Number	Contact Size	Wire Size AWG	Strip Length		Wire Jacket Outer Diameter	Wire Jacket Outer Diameter
			Inches	MM		
SC08-SN	#8	#8 - #10	.500" +/-	12.70mm +/-	0.763" (typical)	37
SC08-GH			0.20"	0.51mm		

### 3. Crimp Contacts

- a. Crimp contacts per crimp tool instructions. (See Table 2). **WARNING:** Crimping with non-APP recommended tools may produce high resistance and may effect UL & CSA approval.

Table 2					
APP Contact Part Number	Wire Size AWG	Pneumatic Bench Tool	Die	Locator	Tool Pressure
SC08-SN	#8 - #10	1387G1	1388G6	1389G19	80
SC08-GH					

### 4. Populate Contact Holders

- a. Hold the contact holder so that the back is facing you. The wire positions are labeled L1, L2, L3 and N on the back of the holder. (See Figure 3)

Figure 3

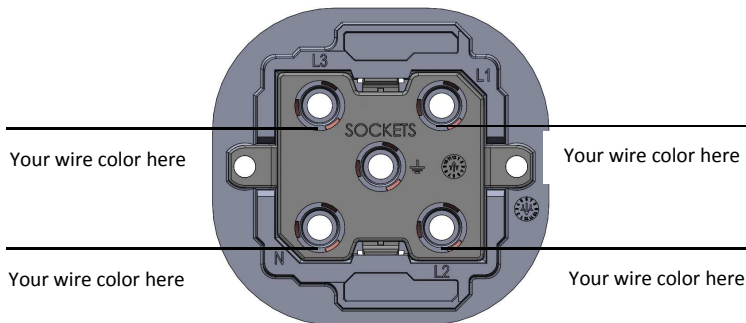
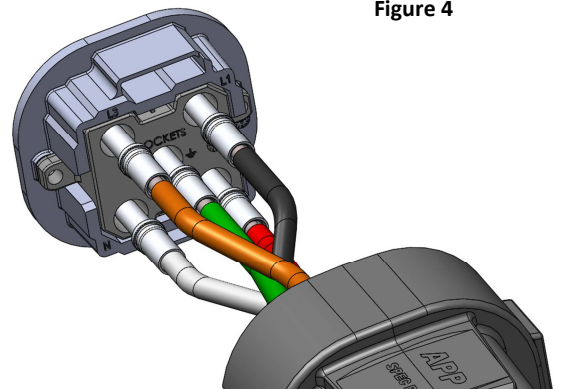


Figure 4



- b. Determine your wire color code. Use Figure 3 above to note the color for each position.  
 c. Splay out and arrange all the wires so that they are in line with their position in the holder. Some wires will need to cross under/over to line up properly. (see Figure 4)  
 d. Starting with the ground wire, insert sockets(s), from the back, into the holder. Contacts will snap into place and should rotate freely when installed. (See Figure 5)

Figure 5

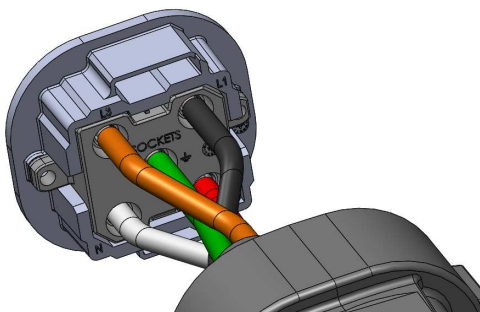
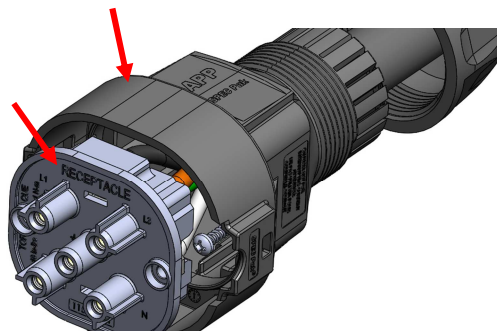


Figure 6



## 5. Final Assembly

- a. Orient shell with APP SPEC Pak® up and contact holder with the word “RECEPTACLE” on top. (See Figure 6)
- b. Slide holder into shell. **NOTE:** *The holder will only go in with the proper orientation.*
- c. Using the provided Phillips head screws, secure the holder to the shell.
- d. Recommended torque: 10 in-lbs. (1.1 N-m)
- e. Gently pull on the power contact wires to remove excess slack in the wires.
- f. Hand tighten wire protection nut.
- g. Using a 44 mm wrench or strap wrench, tighten wire protection nut  $\frac{3}{4}$  to 1 turn.

## 6. Assembly is complete (See Figure 7)

- a. The connector is considered in compliance with UL 6703 only when assembled in a manner specified by these assembly instructions.

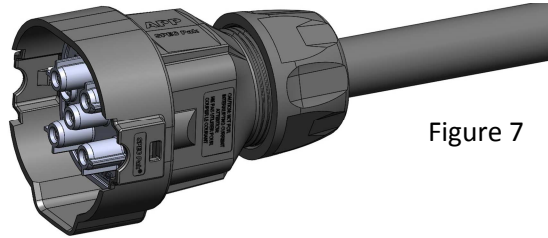


Figure 7

All Data Subject To Change Without Notice

© 2016 Anderson Power Products, Inc. All rights reserved. SPEC Pak®, APP®, Anderson Power Products® and the APP Logo are registered trademarks of Anderson Power Products, Inc.”

15912,

156639 REV1

**HEADQUARTERS:** Anderson Power Products®, 13 Pratts Junction Road, Sterling, MA 01564-2305 USA T:978-422-3600 F:978-422-0128 • **EUROPE:** Anderson Power Products® Ltd., Unit 3, Europa Court, Europa Boulevard, Westbrook, Warrington, Cheshire, WA5 7TN United Kingdom T: +44 (0) 1925 428390 F: +44 (0) 1925 520203 • **ASIA / PACIFIC:** IDEAL Anderson Asia Pacific Ltd., Unit 922-928 Topsail Plaza, 11 On Sum Street, Shatin N.T., Hong Kong T:+(852) 2636 0836 F:+(852) 2635 9036 • **CHINA:** IDEAL Anderson Technologies (Shenzhen) Ltd., Block A8 Tantou Western Industrial Park, Songgang Baoan District, Shenzhen, PR. China 518105 T: +(86) 755 2768 2118 F: +(86) 755 2768 2218 • **TAIWAN:** IDEAL Anderson Asia Pacific Ltd., Taiwan Branch, 4F.-2, No.116, Dadun 20th St., Situn District, Taichung City 407, Taiwan (R.O.C.) T: +(886) 4 2310 6451 F:+(886) 4 2310 6460 • **www.andersonpower.com**