



For installation by a qualified electrician in accordance with national and local electrical codes and the following instructions. The suitability of this type of termination must be evaluated by Underwriter's Laboratories, Inc. and Canadian Standard Association for the end use application. Assemble contact to the cables according to the equipment manufacturer's assembly instructions. The following instructions are supplied as a reference.

Please Note: Instructions are included with each crimp tool for terminating specific contacts. Use of non-Anderson Power crimp can effect UL & CSA approval. See website for comprehensive tooling data.

| Powerpole® Series | Housing Series | Contact | AWG | mm ² | Bushing Number |
|-------------------|----------------|---------|---------|-----------------|----------------|
| 15 | 1395 | 1332 | 20 - 16 | 0.5 / 1.0 | N/A |
| 30 | 1330 | 1331 | 16 - 12 | 1.0 / 2.5 | N/A |
| 45 | 1845 | 1830G1 | 14 - 10 | 1.5 / 4.0 | N/A |
| 45 | 1345 | 261G2 | 14 - 10 | 1.5 / 4.0 | N/A |
| 75 | 1300 | 5900 | 16 - 14 | 1.0 / 1.5 | 5913 |
| 75 | 1300 | 5900 | 12 - 10 | 2.5 / 4.0 | 5910 |
| 75 | 1300 | 5915 | 12 - 10 | 2.5 / 4.0 | N/A |
| 75 | 1300 | 5900 | 8 | 6 | 5912 |
| 75 | 1300 | 5900 | 6 | 10 | N/A |
| 75 | 1300 | 5952 | 8 | 6 | N/A |
| 75 | 5927 | 1875G1 | 6 | 10 | N/A |
| 75 | 5927 | 1875G2 | 8 | 6 | N/A |
| 75 | 5927 | 1875G3 | 12 - 10 | 2.5 / 4.0 | N/A |
| 120 | 1320 | 1319 | 8 | 6 | 5921 |
| 120 | 1320 | 1319 | 6 | 10 | 5920 |
| 120 | 1320 | 1319G6 | 6 | 10 | N/A |
| 120 | 1320 | 1319 | 4 | 16 | 5919 |
| 120 | 1320 | 1319G4 | 4 | 16 | N/A |
| 120 | 1320 | 1319 | 2 | 25 | N/A |
| 120 | 1320 | 1323G1 | 1 | 35 | N/A |
| 120 | 1320 | 1323G2 | 1/0 | 50 | N/A |
| 180 | 1380 | 1382 | 10 | 4 | 5648 |
| 180 | 1380 | 1382 | 6 | 10 | 5663 |
| 180 | 1380 | 1348* | 6 | 10 | N/A |
| 180 | 1380 | 1382 | 4 | 16 | 5693 |
| 180 | 1380 | 1384 | 4 | 16 | N/A |
| 180 | 1380 | 1382 | 2 | 25 | 5690 |
| 180 | 1380 | 1383 | 2 | 25 | N/A |
| 180 | 1380 | 1382 | 1 | 35 | 5687 |
| 180 | 1380 | 1347 | 1 | 35 | N/A |
| 180 | 1380 | 1382 | 1 | 50 | N/A |
| 180 | 1380 | 1328G1 | 2/0 | 70 | N/A |
| 180 | 1380 | 1328G2 | 3/0 | 95 | N/A |

ASSEMBLY INSTRUCTIONS

1. Strip wire to "X" dimension (Figure 1) taking care to avoid nicking or cutting of wire strands. Do not bend or twist strands too sharply.



Figure 1

| Connector Series | AMPS | "X" inches | "X" mm |
|------------------|------|------------|--------|
| 1395 Series | 15 | 5/16 | 7.9 |
| 1330 Series | 30 | 5/16 | 7.9 |
| 1845 Series | 45 | 5/16 | 7.9 |
| 1345 Series | 45 | 5/16 | 7.9 |
| 1300 Series | 75 | 9/16 | 14.5 |
| 1320 Series | 120 | 15/16 | 24 |
| 1380 Series | 180 | 1 - 1/8 | 28.6 |

TERMINATION

2. Manufacturer recommends termination by crimping.

a. Crimped

1300, 1320 and 1380 series contacts accept largest wire sizes rated. Smaller wire sizes require reducing bushings, Cat. Numbers 1395, 1300, 1845 and 1345 do not require reducing bushings. Insert wire to the base of contact, then crimp. Note: indentation should fall in the middle of the barrel (see Figure 2). Use recommend crimp tools only. Crimping by other means may disturb contact position in housing and/or produce high resistance joints.

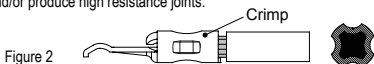


Figure 2

b. Soldered

Melt rosin flux tin solder into contact well, do not solder-dip contacts or overload the joint with solder. On 1395 and 1300 Series contacts, solder flow should not extend beyond contact wall. On all models, care should be taken that no solder adheres to contact surfaces.

CONTACT INSERTION

Insert contact and wire into the housing from the rear (See Figure 3). Position contact as shown (See Figure 4) and push forward using insertion / extraction tool Cat. Number 111038G2 for smaller wire sizes in 1345, 1395, 1330, 1845, 1300 models so that contact slips under the barrier and snaps over the end of the retaining spring (See Figure 5). Tug slightly to make sure contact is locked in place.



Figure 3



Figure 4



Figure 5 (cut away)

| Powerpole® Crimping Tool (1) | Connector Rating (amps) | Wire Size AWG | mm | Tool Part Number |
|--|----------------------------|------------------|----------|---------------------|
| Manual, cycle controlled F-type 1309G6* crimping tool | 10 | #16-12 | 1.5-4.0 | 1309G1 |
| Manual, cycle controlled F-type 1309G6* crimping tool | 15-30 | #20-12 | 0.5-4.0 | 1309G2 |
| Pneumatic, cycle controlled F-type crimping tool | 15-30 | #20-12 | 0.5-4.0 | 1367G1 |
| Manual, cycle controlled F-type 1309G6* crimping tool | 45 | #14-10 | 2.0-6.0 | 1309G3 |
| Manual, cycle controlled U-type crimping tool | 75 | #16-12 | 4.0-16.0 | 1387G1 |
| Pneumatic, cycle controlled 4-indent crimping tool | 75 | #12-6 | 4.0-16.0 | 1387G1 |
| Pneumatic, cycle controlled 4-indent amps crimping tool | 120 or 180 | 3/0-#10 | 95-6.0 | 1387G1 |
| Hydraulic, noncycle controlled 4-indent amps crimping tool | 120 or 180 | 3/0-#10 | 95-6.0 | 1368 |

* For use with superflex wire

- Notes
1. Use appropriate reducing bushings for smaller cable sizes.
 2. For appropriate crimping die set, see APP® website tooling chart.
 3. For high volume crimping (reeled contacts), see APP® website tooling chart.

CONTACT REMOVAL

Switch off power first. For 1320 and 1380 series select a screwdriver of appropriate size. Depress spring at front of housing and pull wire out. For 1395, 1330, 1845, 1345 and 1300 series, insertion / extraction tool (Number 111038G2). Place one of the forward prongs of the tool between the contact and spring using a rotary motion. Continue rotation while pulling on the wire until the prong causes disengagement of contact from the spring. Withdraw contact from rear of housing (See Figure 6)



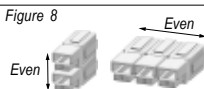
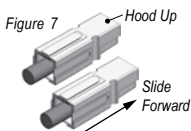
Figure 6

CONNECTOR USAGE

1. Do not disconnect under load. Not for interrupting current.
2. Connector halves should not be disconnected by grasping cable leads.
3. For use only in equipment where the acceptability of the combination is determined by UL / CSA or other applicable certification agencies and installed by a qualified electrician.

BLOCKING

1. Hold connector side-by-side in the "hood up" position.
2. Slide the protruding dovetail into the recessed dovetail slot. (See Figure 7)
3. Blocking is completed when the front and back of the connectors are even with each other. (See Figure 8)



NOTE: Do not use a hammer to slide connectors together.

PATENT & TRADEMARK INFORMATION

Patent information can be found on our website.

"Powerpole and Anderson Power Products are registered U.S. and foreign trademarks of Anderson Power Products". www.andersonpower.com