



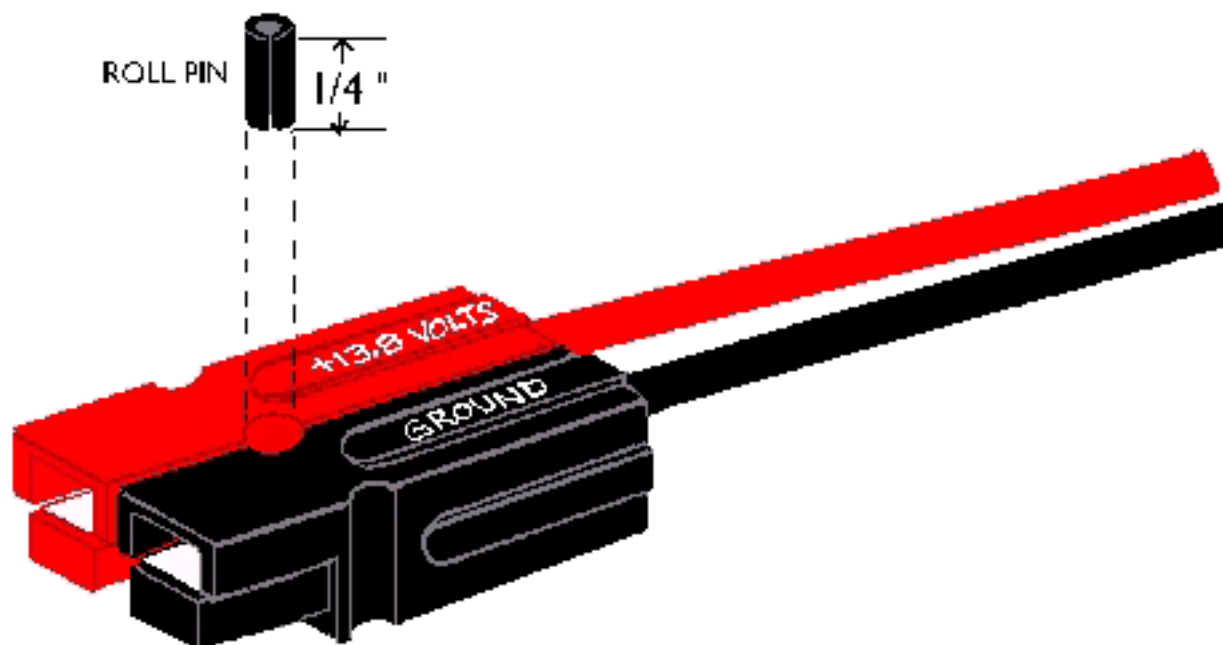
Oakville A.R.E.S Group
Serving Oakville and the Halton Region

Powerpole Connectors

Powerpole Connectors

Oakville A.R.E.S. Group prescribes the Anderson Powerpole as the standard dc power connector for use by A.R.E.S personnel. This standard, highly reliable connector allows quick and easy installation and substitution of radios, power supplies, batteries, and other equipment.

Either the 15-ampere or 30-ampere sizes may be used, and both sizes mate with each other. The plastic parts are the same for both sizes. The barrel area (which holds the wire) of the 15-ampere silver-plated contact is smaller than that of the 30-ampere contact, but the contact area is the same. The connectors dovetail together as a compact unit.



Housings should be mated according to the diagram above, viewing from the contact side (opposite the wire side), tongue down, hood up, RED on the LEFT, BLACK on the RIGHT. Use a 3/32-inch-diameter roll pin, 1/4 inch long, or a drop of super-glue, to keep the housings from sliding apart.

Highly conductive silver-plated copper contacts allow minimal contact resistance at high currents. Self-wiping action on make and break keeps conducting surfaces clean. Contact dents keep connectors mated in high-vibration applications and provide quick-break, snap action upon disconnect.

Non-corrosive stainless-steel leaf springs maintain constant contact pressure—ideal for frequent connections/disconnections and intermittent overloading. Durable, high impact-resistant, polycarbonate housing with UL94V-2 flammability ratings comes in many colors for circuit trace ability and coding.

Identical connector halves are genderless—making assembly quick and easy and reducing the number of parts stocked. Molded-in dovetails allow for customized harness in a variety of configurations. When the connectors are disconnected, no metal parts are exposed.

The 15-ampere contacts are designed for 16-20 AWG wire and the 30-ampere contacts are designed for 12-16 AWG wire. The contacts can be soldered or crimped to wires. An expensive crimping tool (#1367G1) is available from Anderson. Less expensive crimping tools are available from other suppliers. After a contact has been attached to a wire, it should be installed into the housing so that the housing spring mates with the underside of the contact with a definite click.

To remove a contact from the housing, use Anderson insertion/extraction tool #111038G2. You may also substitute a very small blade, (jeweler's screwdriver or X-acto knife etc.), to depress the spring, allowing the contact to be removed.

Here are the Anderson Powerpole part numbers:

15 A	Complete Connector	Housing Only	Contact Only
Black	#1395G1	#1327G6	#1332
Red	#1395	#1327	#1332
30 A	Complete Connector	Housing Only	Contact Only
Black	#1330G4	#1327G6	#1331
Red	#1330	#1327	#1331

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