

MARLNCO[®] ConnectPro[™]

PLUG

INSTALLATION/WIRING INSTRUCTIONS

For Marlnco ConnectPro Plug

WARNING: Batteries contain a large amount of potential electrical energy. Extreme care must be used when working with batteries. An improper connection to a battery can release enough energy to cause severe injury or fire.

Before wiring the plug make sure you know how the receptacle is wired. The following precautions must be taken:

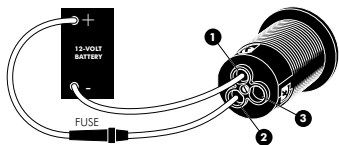
- The wiring to the power source must have proper overcurrent protection in the form of a fuse or circuit breaker.
- The ConnectPro receptacle and mating plug are designed to be used on variety of low voltage systems. It is important that the plug is wired to match how the receptacle is wired. The terminals marked "1," "2," and "3" on the plug mate with the corresponding terminals marked "1," "2," and "3" on the receptacle.

Plug Wiring

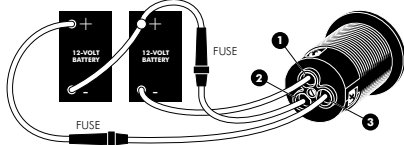
1. Cut cover at line of cable entry, if cord is greater than 0.35" diameter. Apply soap solution to end of the cover.
2. Push cord through the end about 12".
3. Remove the strain relief by loosening the two strain relief screws. Place aside and save for Step 5. Outerstrip the cable jacket 1" and innerstrip the wires 1/2". Do NOT solder the ends of the wires.
4. Insert the negative wire into terminal 1 and the positive wire into terminal 2. For three-wire equipment (for example, 12/24 or 24/36V) insert the highest voltage wire into terminal 3. Make certain there is no wire insulation inside the terminals, and there are no stray wire strands outside the terminals. Tighten the terminal screws to 12 in-lbs torque. Do not overtighten. Examples of how the receptacle may be wired to batteries are shown below. CAUTION: The terminal locations for the plug match what is suggested for the receptacle.
5. Replace the strain relief and tighten the two strain relief screws to 6 in-lbs torque so the strain relief clamp secures against the cable.
6. Slide the boot over the device body, carefully positioning the cover to line up with the keyway slots (flat sides of the plug body) or line up "insert" indicator with the ground blade (largest blade) and pull cover into place.

Battery System Connection Examples

12V CONFIGURATION



DUAL VOLTAGE CONFIGURATION



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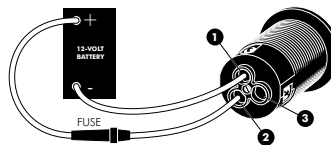
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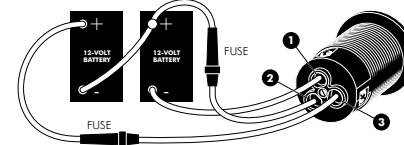
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