



L1420P & L1430P CABLE PLUGS WIRING INSTRUCTIONS

WARNING: To prevent electrical hazards, make certain the cable is disconnected from all power sources before installing the plug. Failure to comply with all instructions could result in risk of fire or shock hazard.

1. Make certain that the rating on the cable plug is suitable for the application.
2. Select a suitable cable – **Use copper wire only**
 - L14-20 cable plugs will accommodate any hard service cord (i.e. S, SE, SO, ST, STOOW etc.) or junior hard service cord (i.e. SJ, SJO, SJEOW, SJTOOW, etc.) with wire gauges from a minimum of AWG12 to a maximum of AWG10, and with an outside diameter no larger than 0.725”.
 - L14-30 cable plug will accommodate any hard service cord (i.e. S, SE, SO, SO, ST, STOOW etc.) or junior hard service cord (i.e. SJ, SJO, SJEOW, SJTOOW, etc.) with wire gauges of AWG10, and with an outside diameter no larger than 0.725”.
4. Disassemble plug
 - remove the two strain relief screws from the strain relief halves
 - remove the two strain relief halves by sliding them outward on their tracks
 - remove the two assembly screws at the rear of the backshell (now exposed)
 - remove the plug insert from the backshell by sliding it forward
5. Insert cord through the hole in the rear of the backshell
6. Strip the outer jacket of the cable 1.75”. Strip each conductor 0.625” **Do not solder or tin the conductors.**
7. Back out the terminal screws as necessary being careful not to apply excessive force.
8. Connect wires:
 - Ground wire (green or green/yellow) to terminal marked “G”, (green colored screw)
 - Neutral wire (white or gray) to terminal marked “W” (silver colored screw)
 - Hot wires (black and/or red) to hot terminals marked “X” and “Y” (gold colored screws)
 - **Make certain there are no loose strands outside the wire chambers.**
9. Tighten terminal screws securely
 - Torque screws to 14-16 in-lb (1.6-1.8 N-m).
 - **Make certain there is no wire insulation under any terminal clamp.**
10. Reassemble plug
 - Reinsert plug insert into backshell. **Note that a keyway in the housing and body properly aligns the two parts.**
 - Reinstall the two assembly screws from the rear of the backshell. Torque screws to 8 in-lb (0.9 N-m)
 - Reinsert the two strain relief halves so that they slide in their dovetail tracks.
 - Reinstall the two strain relief screws. Note: If cable less than 0.500” diameter is used, the two 8x1” screws (provided) should be used instead of the 8x1¼”. Assure that the same length screw is used in both sides of the strain relief. Torque screws to 8 in-lb (0.9 N-m)

CABLE PLUG RATINGS

L1420P

L1430P

Voltage
Current
Usage

125/250 VAC
20 amps
general

125/250 VAC
30 amps
general