Understand NEMA Plug Chart: A Quick Guide

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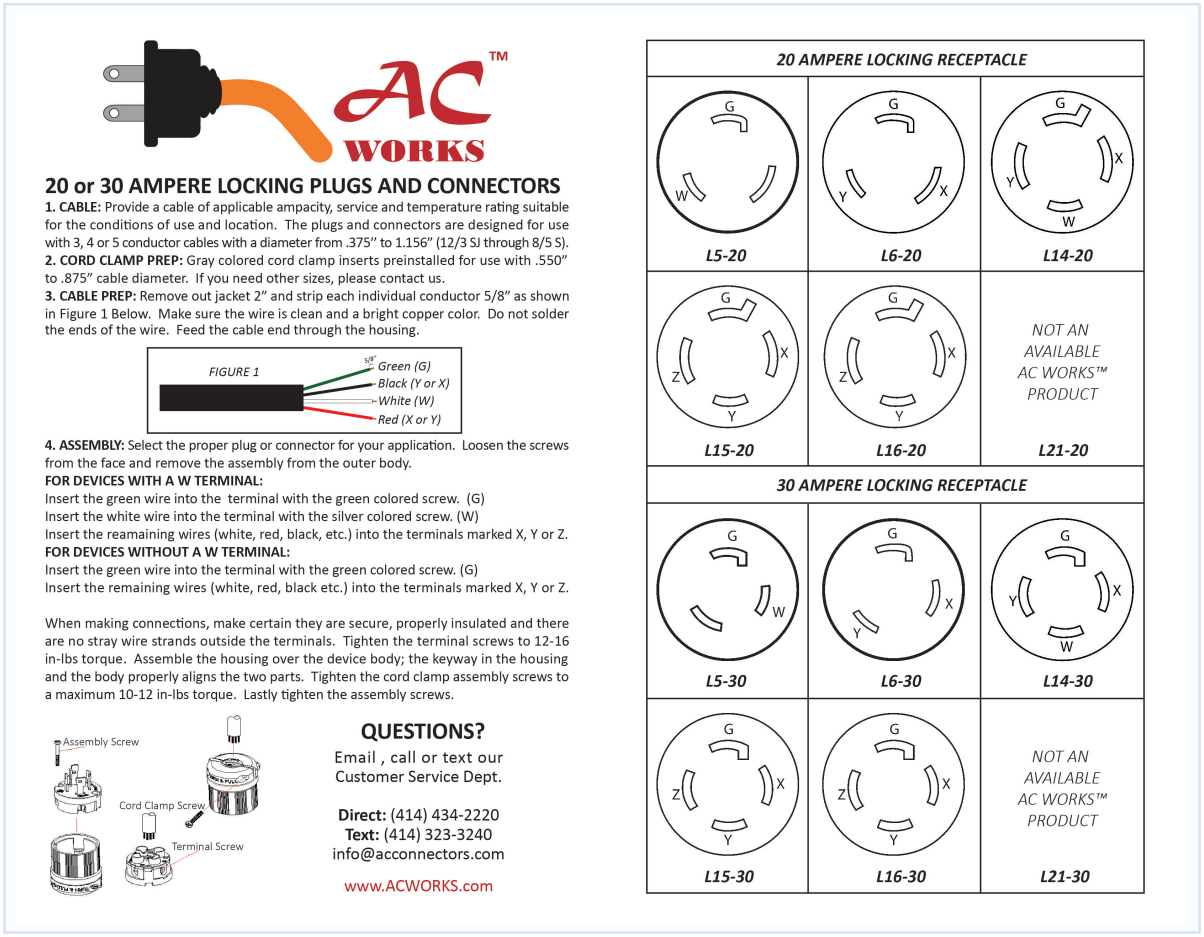

AC WORKS™

20 or 30 AMPERE LOCKING PLUGS AND CONNECTORS

1. CABLE: Provide a cable of applicable ampacity, service and temperature rating suitable for the conditions of use and location. The plugs and connectors are designed for use with 3, 4 or 5 conductor cables with a diameter from .375" to 1.156" (12/3 SJ through 8/5 S).
2. CORD CLAMP PREP: Gray colored cord clamp inserts preinstalled for use with .550" to .875" cable diameter. If you need other sizes, please contact us.
3. CABLE PREP: Remove out jacket 2" and strip each individual conductor 5/8" as shown in Figure 1 Below. Make sure the wire is clean and a bright copper color. Do not solder the ends of the wire. Feed the cable end through the housing.

FIGURE 1
5/8"
Green (G)
Black (Y or X)
White (W)
Red (X or Y)

4. ASSEMBLY: Select the proper plug or connector for your application. Loosen the screws from the face and remove the assembly from the outer body.
FOR DEVICES WITH A W TERMINAL:
Insert the green wire into the terminal with the green colored screw. (G)
Insert the white wire into the terminal with the silver colored screw. (W)
Insert the reamaining wires (white, red, black, etc.) into the terminals marked X, Y or Z.
FOR DEVICES WITHOUT A W TERMINAL:
Insert the green wire into the terminal with the green colored screw. (G)
Insert the remaining wires (white, red, black etc.) into the terminals marked X, Y or Z.

When making connections, make certain they are secure, properly insulated and there are no stray wire strands outside the terminals. Tighten the terminal screws to 12-16 in-lbs torque. Assemble the housing over the device body; the keyway in the housing and the body properly aligns the two parts. Tighten the cord clamp assembly screws to a maximum 10-12 in-lbs torque. Lastly tighten the assembly screws.

Assembly Screw
Cord Clamp Screw
Terminal Screw

QUESTIONS?
Email , call or text our Customer Service Dept.

Direct: (414) 434-2220
Text: (414) 323-3240
info@acconnectors.com

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20 AMPERE LOCKING RECEPTACLE

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30 AMPERE LOCKING RECEPTACLE

L5-30	L6-30	L14-30
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Printing & Usage Overview

You've got a project on your hands and need to make sure you're using the right equipment. You're probably thinking, "What's the deal with all these different plugs and connectors?" Well, my friend, the Nema plug chart is here to save the day! It's a handy reference tool that simplifies the world of electrical connections. This chart provides a clear overview of Nema plug types, dimensions, and ratings, ensuring you make the right choices for your project. Understanding the Nema Plug Chart : A Quick Overview The Nema plug chart is a handy reference tool that simplifies the process of identifying and selecting the right electrical plug for your needs. It provides a visual representation of various plug types, offering valuable insights into their unique characteristics. This chart serves as a guide, ensuring you choose the appropriate plug for your devices and appliances. Comparing Nema Plug Standards,

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