

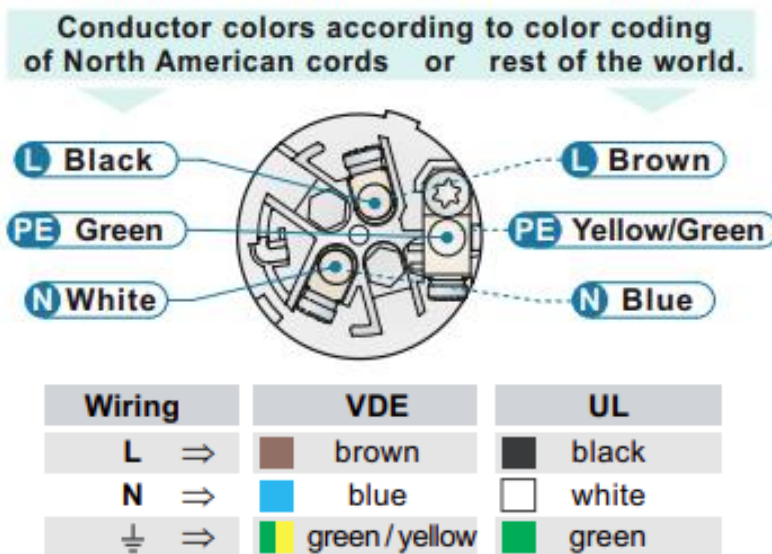


## LEA Connect 1504/1504D Power Cable Wiring Guide

This document is intended to be used as a guide for proper wiring configuration in applications that need a custom length cable, or require the use of an alternate plug than the NEMA L6-30P supplied with the LEA Connect 1504/1504D power cable.



In applications where a different length cable is required, the powerCon 32A connector can be removed from the supplied cable and installed onto a cable of desired length. Below is an image showing the standard color codes for cables in different regions of the world and which terminal positions the wires should be installed on the powerCon 32A connector. The new cable must be a minimum of 10 AWG (6 mm<sup>2</sup>) to ensure it can carry the maximum potential current presented by the amplifier.



## Recommended circuit breaker ampacity

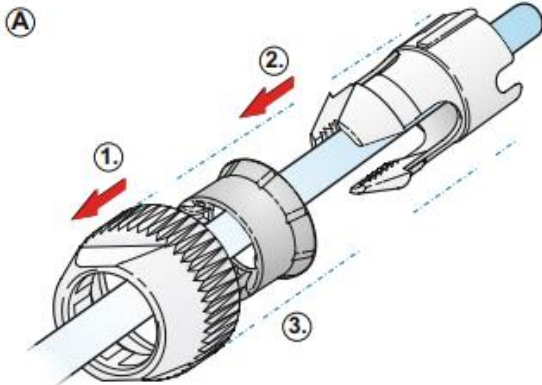
To reduce the risk of tripping the circuit breaker on a branch circuit powering a single 1504 we recommend that the breakers listed below be used.

**100VAC** – 30 amps

**120VAC** – 30 amps

**240VAC** – 20amps (U.S.) 16amps (International)

### 1. ASSEMBLY INSTRUCTIONS | Cable Connector

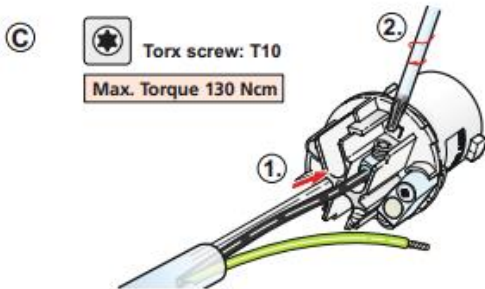


- A** Slide bushing (1) and chuck (2) onto the cable end.  
If cable O.D.:  
 Less 15 mm please use reduction piece (3).

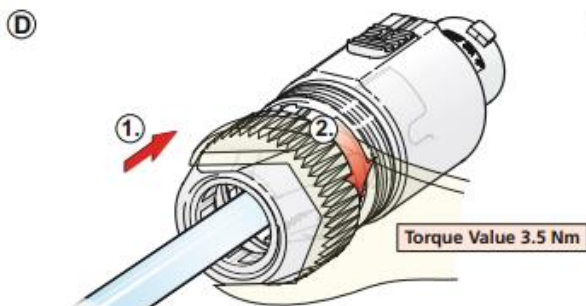
- B** Prepare cable as shown.  
 Consider excessive length of PE conductor for slackening.



Strip the wires.



**Caution:**  
 The conductor cross section for the rated current is 6 mm<sup>2</sup> (10 AWG). In the exceptional case that the conductor cross section area is smaller as the rated cross section the maximum current load carrying capacity has to be assessed according to the limit of the conductor. Also it is advised to use wire end sleeves for smaller cross section areas.



- D** 1. Push insert and chuck into housing.  
**Important:** Align the chuck and insert by positioning the nose into keyway.  
 2. Tighten bushing using open wrench 27 mm, min. torque 3.5 Nm.



Assembled Connector

