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› AVBcable PCON-AAC-35 Neutrik powerCon to 3-Prong Male AC Input Power Cable User Manual

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1. INTRODUCTION

This user manual provides essential information for the safe and effective use of your AVBcable PCON-AAC-35 power cable. Please read these instructions carefully before installation and operation to ensure proper functionality and safety. Keep this manual for future reference.

2. PRODUCT OVERVIEW

The AVBcable PCON-AAC-35 is a heavy-duty AC input power cable designed for professional audio and lighting applications. It features a Neutrik NAC3FCA powerCon locking connector (blue, for power-in) on one end and a standard 3-prong male Edison 5266 plug on the other. This cable is engineered to provide a secure and reliable power connection, preventing accidental disconnections common with standard appliance couplers.

The Neutrik powerCon connectors are color-coded for easy identification and feature a unique keying system to prevent incorrect mating between power-in (blue) and power-out (grey) versions. The contacts are designed to prevent arcing when disconnected under load, enhancing safety and product longevity. This cable is suitable for powering various equipment from manufacturers such as Mackie, Turbosound, and JBL that utilize Neutrik powerCon connectors.



Figure 1: The AVBcable PCON-AAC-35 power cable, coiled, showing the blue Neutrik powerCon connector and the black 3-prong male Edison plug.

3. SETUP AND CONNECTION

- 1. Identify Connectors:** Locate the blue Neutrik NAC3FCA powerCon connector and the 3-prong male Edison plug on your cable.
- 2. Connect to Equipment:** Insert the blue Neutrik powerCon connector into the corresponding power-in (blue) receptacle

on your equipment. Twist the connector clockwise until it locks securely into place.

3. **Connect to Power Source:** Insert the 3-prong male Edison plug into a standard, grounded AC power outlet. Ensure the outlet provides the correct voltage (300V maximum) for your equipment.
4. **Verify Connection:** Gently tug on both ends of the cable to confirm that connections are secure and locked.

Safety Note: Always ensure equipment is turned off before connecting or disconnecting power cables. Do not force connectors. Ensure the power source matches the equipment's requirements.

4. OPERATION

Once properly connected, the AVBcable PCON-AAC-35 provides a stable and secure power supply to your equipment. The locking mechanism of the powerCon connector prevents accidental disconnections during operation, which is crucial in live event settings or installations where reliability is paramount.

To disconnect the powerCon connector, twist it counter-clockwise and pull it straight out. The 3-prong Edison plug can be removed from the wall outlet by pulling it straight out.

5. MAINTENANCE

Regular inspection and proper care will extend the life of your AVBcable PCON-AAC-35 power cable.

- **Visual Inspection:** Periodically inspect the cable for any signs of damage, such as cuts, fraying, kinks, or exposed wires. Check the connectors for bent pins or cracks.
- **Cleaning:** Keep the cable and connectors clean and free from dust and debris. Use a dry, soft cloth for cleaning. Do not use harsh chemicals or abrasive materials.
- **Storage:** When not in use, coil the cable neatly without sharp bends or kinks. Store it in a dry, cool place away from direct sunlight and extreme temperatures.
- **Avoid Overstretching:** Do not pull or stretch the cable excessively, as this can damage the internal conductors.

Warning: Do not use a damaged cable. Replace any damaged cables immediately to prevent electrical hazards.

6. TROUBLESHOOTING

If you experience issues with power delivery, consider the following troubleshooting steps:

- **No Power to Equipment:**
 - Ensure both the powerCon connector and the Edison plug are fully and securely connected.
 - Check the power outlet with another device to confirm it is functional.
 - Inspect the cable for visible damage. If damaged, discontinue use.
- **Intermittent Power:**
 - Verify that the powerCon connector is fully locked.
 - Ensure the Edison plug is firmly seated in the outlet.
 - Check for any loose connections or signs of wear on the cable or connectors.

If problems persist after following these steps, contact a qualified technician or the manufacturer for assistance.

7. SPECIFICATIONS

Model: PCON-AAC-35

Cable Type: 300V 12 AWG UL listed 3 conductor black SJOOW flexible type jacketed heavy duty cable

Connectors: Neutrik NAC3FCA powerCon (blue, power-in) to 3-Prong Male Edison 5266 plug

Length: 35 feet

Voltage Rating: 300 Volts

Plug Format: Type B

UL Listed: Yes

Item Weight: Approximately 5.65 pounds

Manufacturer: AVBcable.com

8. WARRANTY AND SUPPORT

AVBcable products are manufactured with high-quality components and professional assembly. Please note that all custom-made cables, including the PCON-AAC-35, are Non-Cancelable and Non-Returnable (NCNR). For technical support or inquiries regarding your AVBcable product, please contact AVBcable.com directly. Refer to the product packaging or the AVBcable website for the most current contact information.

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