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## Thermaltake AC-009-CNONAN-PG

# Thermaltake Individually Sleeved 20+4Pin ATX Cable User Manual

Model: **AC-009-CNONAN-PG** | Brand: **Thermaltake**

## 1. PRODUCT OVERVIEW

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The Thermaltake Individually Sleeved 20+4Pin ATX Cable (Model AC-009-CNONAN-PG) is designed to supply power to the motherboard within a personal computer system. This cable features individual sleeving for each wire, enhancing both aesthetics and cable management within the chassis. It is engineered with black heat-shrinks to ensure high-quality assembly and support for high currents, contributing to stable system performance.



**Figure 1:** The Thermaltake Individually Sleeved 20+4Pin ATX Cable in Grey. This image shows the cable coiled, highlighting its individually sleeved wires and the 20+4Pin ATX connectors at both ends, designed for motherboard power delivery.

## 2. KEY FEATURES

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- **Individually Sleeved Wires:** Each wire is individually sleeved, providing a clean and organized appearance while

improving durability.

- **Triple Weave Design:** Features an ultra-density triple weave design for enhanced robustness and premium feel.
- **Enhanced Flexibility:** Designed for improved flexibility, aiding in easier installation and optimized airflow within the PC case.
- **High Current Support:** Engineered with black heat-shrinks to ensure stable power delivery and support for high currents.
- **Aesthetic Appeal:** Available in various colors (e.g., Grey, as per this model) to match system aesthetics and contribute to a neat internal build.

### 3. SETUP AND INSTALLATION

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This section outlines the general steps for installing the 20+4Pin ATX cable. Always refer to your motherboard and power supply unit (PSU) manuals for specific instructions.

1. **Power Off System:** Before beginning, ensure your computer system is completely powered off and disconnected from the main power outlet.
2. **Locate Connectors:** Identify the 20+4Pin ATX power connector on your motherboard and the corresponding 20+4Pin ATX output on your power supply unit.
3. **Connect to Motherboard:** Carefully align the 20+4Pin connector of the cable with the 20+4Pin header on your motherboard. Ensure the latch mechanism is correctly oriented. Apply gentle, even pressure until the connector clicks securely into place.
4. **Connect to PSU:** Connect the other end of the cable to the designated 20+4Pin ATX output on your modular power supply unit. Again, ensure proper alignment and a secure connection.
5. **Cable Management:** Route the cable neatly within your PC chassis, utilizing cable management features of your case to optimize airflow and maintain a clean build. Avoid sharp bends or kinks that could stress the cable.
6. **Verify Connection:** Double-check that both ends of the cable are firmly seated before restoring power to your system.

### 4. OPERATION

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Once properly installed, the Thermaltake Individually Sleeved 20+4Pin ATX Cable operates passively, providing continuous power to your motherboard from the power supply unit. No user interaction is required during normal operation.

Ensure the cable is not subjected to excessive pulling, bending, or crushing forces during system operation, as this can lead to damage and potential system instability.

### 5. MAINTENANCE

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Regular maintenance helps ensure the longevity and reliable performance of your cable:

- **Periodic Inspection:** Periodically inspect the cable for any signs of wear, fraying, cuts, or damage to the sleeving or connectors.
- **Cleaning:** If dust accumulates on the cable, gently clean it using a soft, dry cloth or compressed air. Ensure the system is powered off and unplugged before cleaning. Do not use liquid cleaners.
- **Avoid Stress:** Ensure the cable is not under tension or bent at sharp angles, especially near the connectors. Proper cable routing prevents unnecessary stress.

### 6. TROUBLESHOOTING

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If you experience issues related to power delivery to your motherboard, consider the following troubleshooting steps:

- **No Power/System Not Booting:**

- Ensure the 20+4Pin ATX cable is securely connected to both the motherboard and the power supply unit.
- Verify that the power supply unit is switched on and receiving power from the wall outlet.
- Check other power connections (e.g., CPU power, GPU power) to ensure they are also secure.

- **Intermittent Power:**

- Reseat the 20+4Pin ATX cable at both ends to ensure a firm connection.
- Inspect the cable for any visible damage or kinks that might be causing intermittent contact.

- **Compatibility Issues:**

- Confirm that your power supply unit is compatible with individually sleeved cables and specifically with the Thermaltake Toughpower series if applicable.
- Note that this cable is designed for specific Thermaltake PSUs (see Section 8: Compatibility). Using it with incompatible PSUs may lead to issues.

If issues persist after performing these steps, consult a qualified technician or contact Thermaltake customer support.

## 7. SPECIFICATIONS

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Attribute	Detail
Brand	Thermaltake
Model Name	AC-009-CNONAN-PG
Connector Type	20+4Pin ATX
Connector Gender	Male-to-Male
Compatible Devices	Personal Computer (Motherboard)
Special Feature	Braided, Individually Sleeved
Color	Grey
Number of Pins	20+4 (24)
Maximum Voltage	12 Volts (DC)
Length	600 mm (from product description)

## 8. COMPATIBILITY

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The Thermaltake Individually Sleeved 20+4Pin ATX Cable is specifically designed for compatibility with certain Thermaltake Power Supply Units (PSUs). Ensure your PSU model is listed below for optimal performance and safety:

- **Toughpower Grand Series:** 650W, 750W, 850W (Fully Modular models)
- **Toughpower DPS G Series:** 450W, 550W, 650W, 750W, 850W, 1050W

Using this cable with non-listed or incompatible power supply units may result in improper function or damage to components.

## 9. WARRANTY AND SUPPORT

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For information regarding warranty coverage, technical support, or service for your Thermaltake Individually Sleeved 20+4Pin ATX Cable, please refer to the official Thermaltake website or contact their customer support directly. Keep your proof of purchase for warranty claims.

**Thermaltake Official Website:** [www.thermaltake.com](http://www.thermaltake.com)