

Redragon PSU007

Redragon PSU007 12VHPWR PCIe 5.0 GPU Power Cable Instruction Manual

Model: PSU007

1. PRODUCT OVERVIEW

The Redragon PSU007 is a premium 600W PCI-e 5.0 GPU Power Cable designed to provide stable and high-performance power delivery to advanced graphics cards. This 72 cm (28 inch) sleeved cable features a 16-pin (12+4) 12VHPWR connector, ensuring compatibility with modern PCIe 5.0 GPUs such as the NVIDIA RTX 3090TI, 4070TI, 4080, and 4090TI.

Key features include:

- **Maximum Power Support:** Capable of supplying up to 600W TDP for the most demanding PCIe 5.0 graphics cards.
- **Enhanced Durability:** Each wire is individually sleeved with high-density mesh paracord, offering both toughness and flexibility.
- **Premium Construction:** Utilizes 16AWG tinned copper cable for efficient and reliable power handling.
- **Optimal Length:** At 720mm (28 inches), the cable facilitates clean and organized cable management within your PC case.

PCIe 5.0 PSU-GPU Extension Cable

600W MAX, Unleash The Mighty Power

2X | Total Power Excursion

3X | GPU Power Excursion

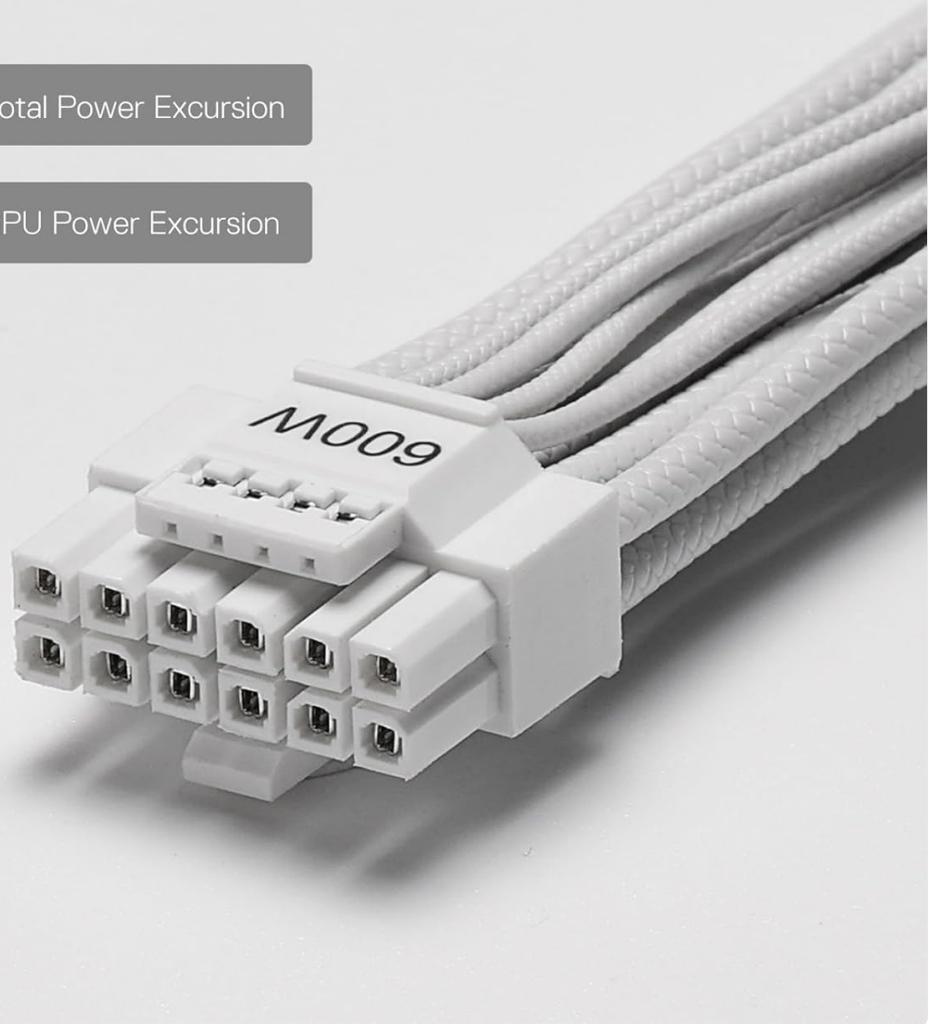


Image 1.1: The 12VHPWR connector of the Redragon PSU007 cable, indicating its 600W maximum power capacity.

Durable Mesh Paracord Sleeving

No Worry For Cable Management

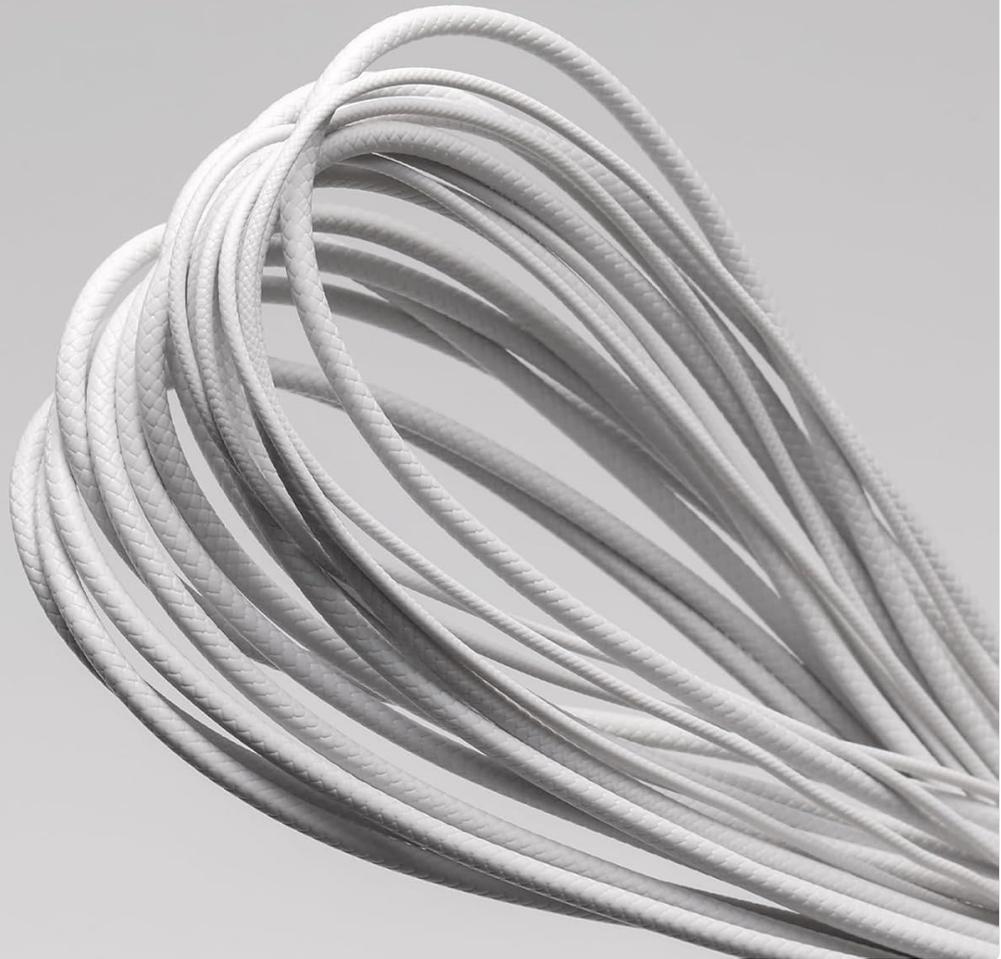


Image 1.2: Detail of the durable mesh paracord sleeving, designed for improved cable management and longevity.

2. SETUP AND INSTALLATION

Follow these steps to properly install your Redragon PSU007 12VHPWR PCIe 5.0 GPU Power Cable:

1. **Power Off System:** Before beginning installation, ensure your computer system is completely powered off and unplugged from the wall outlet.
2. **Locate PSU and GPU Connectors:** Identify the appropriate 12VHPWR output connector on your power supply unit (PSU) and the corresponding input connector on your PCIe 5.0 graphics card.
3. **Connect to PSU:** Firmly insert one end of the Redragon PSU007 cable into the 12VHPWR output on your PSU. Ensure it clicks securely into place.
4. **Connect to GPU:** Firmly insert the other end of the cable into the 12VHPWR input on your graphics card. Ensure it clicks securely into place.
5. **Cable Management and Bending Guidelines:** Route the cable carefully to avoid excessive strain or sharp bends. Adhere to the following critical bending guidelines to prevent damage and ensure stable power delivery:

Be Careful To Bend The Cable

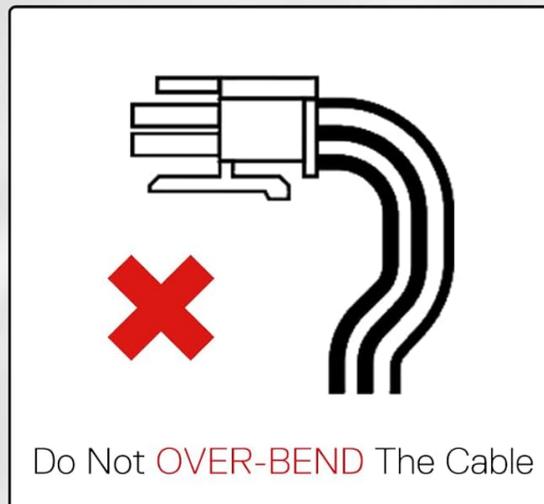
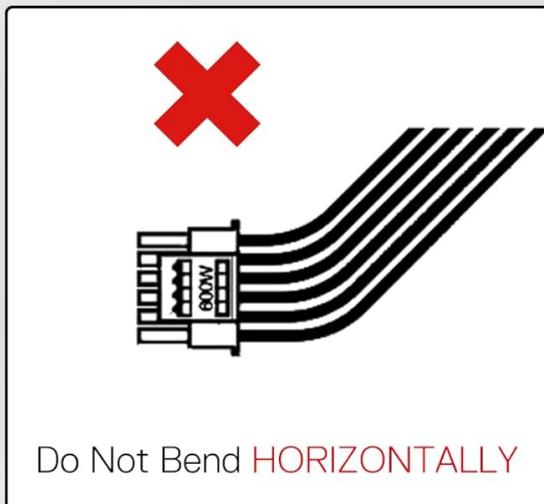
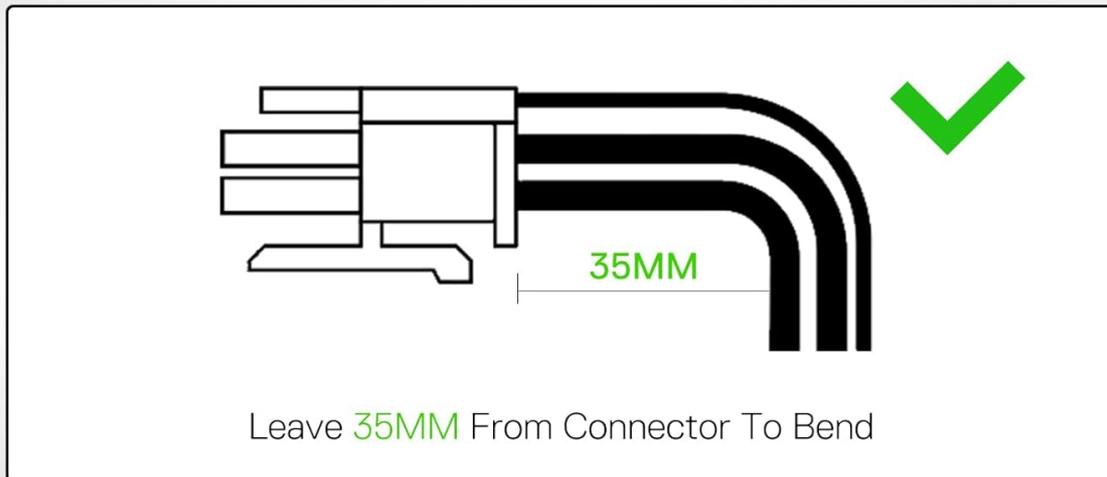


Image 2.1: Illustration of proper cable bending technique. Maintain a minimum 35mm straight distance from the connector before bending. Avoid horizontal or over-bending.

- **Maintain Straight Distance:** Keep a minimum of 35mm (approximately 1.4 inches) straight distance from the connector before initiating any bend in the cable.
- **Avoid Horizontal Bending:** Do not bend the cable horizontally immediately at the connector.
- **Prevent Over-Bending:** Do not over-bend the cable at sharp angles. Excessive bending can damage internal wires and lead to power instability or component failure.



Image 2.2: Example of the cable properly connected to a graphics card.



Image 2.3: Example of the cable properly connected to a power supply unit.

3. OPERATING GUIDELINES

Once installed, the Redragon PSU007 cable operates passively to deliver power. Ensure the following for optimal performance:

- **Secure Connections:** Verify that both ends of the cable are fully seated and locked into their respective ports on the PSU and GPU. Loose connections can lead to power loss or system instability.
- **Adequate Airflow:** Ensure that the cable routing does not obstruct airflow within your PC case, which could lead to overheating of components.
- **System Power Requirements:** Confirm that your PSU has sufficient wattage to power your graphics card and other components, especially when using a 600W GPU power cable.

4. MAINTENANCE

The Redragon PSU007 cable requires minimal maintenance. Follow these guidelines to ensure its longevity:

- **Regular Inspection:** Periodically inspect the cable for any signs of wear, fraying, or damage, particularly near the connectors.
- **Dust Removal:** If dust accumulates on the cable or connectors, gently clean it using compressed air or a soft, dry cloth. Ensure the system is powered off and unplugged before cleaning.
- **Avoid Stress:** Do not pull on the cable to disconnect it. Always grasp the connector housing firmly when connecting or disconnecting.
- **Storage:** If storing the cable, coil it loosely to prevent kinks or sharp bends.

5. TROUBLESHOOTING

If you encounter issues with your Redragon PSU007 cable, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
Graphics card not receiving power / System not booting	Loose cable connection Insufficient PSU wattage Damaged cable	Ensure both ends of the cable are fully seated. Verify your PSU meets the power requirements of your GPU. Inspect the cable for visible damage. If damaged, replace it.
System instability / Crashes during heavy load	Loose cable connection Improper cable bending Faulty PSU	Check and reseat cable connections. Review bending guidelines (Section 2) and adjust cable routing. Test with a different PSU if possible to rule out PSU issues.
Cable appears damaged or frayed	Physical stress or improper handling	Discontinue use immediately. Replace the cable to prevent potential damage to components.

6. SPECIFICATIONS

Feature	Detail
Brand	Redragon
Model Name	PSU007 (12VHPWR PSU Cable)
Connector Type	16-pin (12+4) 12VHPWR
Cable Type	PCIe 5.0 GPU Power Cable
Wattage	600W (Maximum)
Cable Length	720mm (28.35 inches)
Wire Gauge	16AWG Tinned Copper

Feature	Detail
Sleaving	High-density Mesh Paracord (Braided)
Compatible Devices	PCIe 5.0 GPUs (e.g., 3090TI, 4070TI, 4080, 4090TI)
Color	White

Cable Length: 28 in (720 mm)

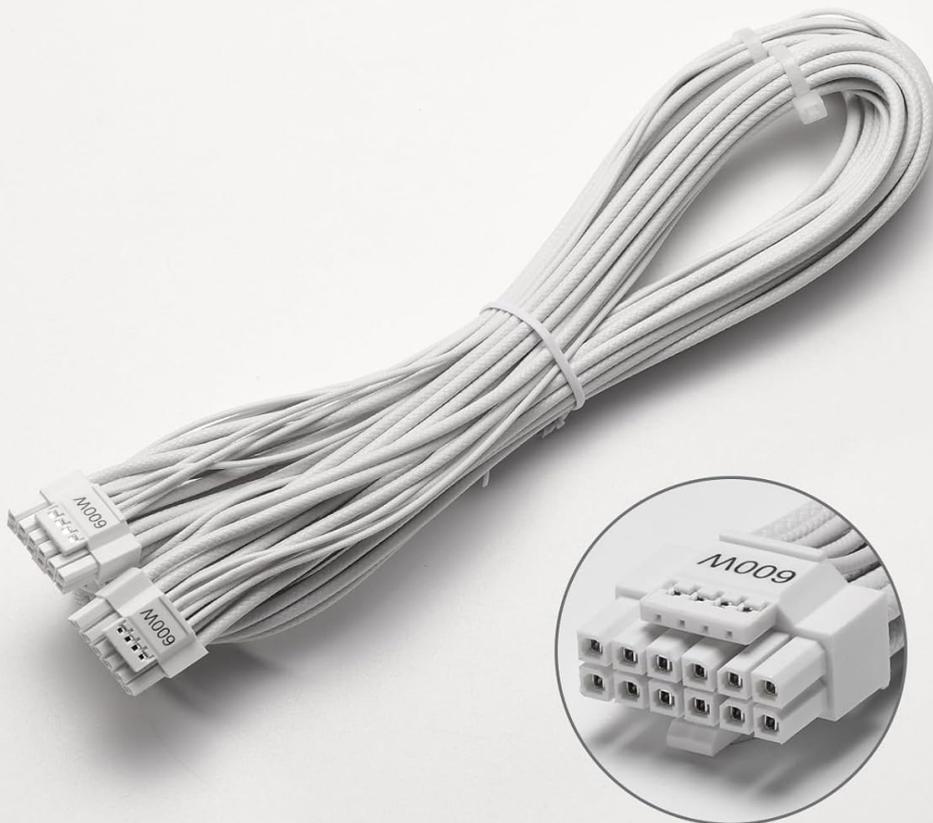


Image 6.1: The Redragon PSU007 cable, illustrating its total length of 28 inches (720 mm).

7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Redragon website or contact Redragon customer service directly. Keep your purchase receipt for warranty claims.

Redragon Official Website: www.redragonusa.com

