

User Manual - Dahua PFM922I-5EUN-C-100

1. Introduction

The Dahua PFM922I-5EUN-C-100 is a 100-meter UTP Cat5e cable reel, made with copper-clad aluminum (CCA) conductors. Designed for indoor use, this cable features an FR-PVC jacket that complies with ROHS standards, making it ideal for network and video applications in installations that require a cost-effective and efficient solution.

2. Key Features

- **Length:** 100 meters, suitable for medium-sized installations.
 - **Cable Type:** UTP Cat5e, designed for moderate-speed data and video transmission.
 - **Material:** CCA (copper-clad aluminum) conductors, offering a balance between cost and performance.
 - **Jacket:** FR-PVC, flame-retardant and ROHS compliant, ensuring safety in indoor installations.
 - **Application:** Ideal for basic networking and video surveillance systems indoors.
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3. User Guide

3.1 Installation

- **Preparation:** Measure and cut the required length of cable. Ensure that the cable pathways are free of obstructions.
- **Cable Connection:** Make the necessary connections following the TIA/EIA-568-B standard for RJ45 connectors.
- **Securing:** Secure the cable in place using ties or clips to avoid damage during installation.

3.2 Configuration

- **Connectivity Test:** Use a cable tester to ensure all connections are correct and the cable is properly terminated.

- **Optimization:** Arrange the cable to minimize interference and ensure optimal performance.
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4. Maintenance

- **Regular Inspection:** Periodically check the cable for signs of wear or damage, especially at the connections.
 - **Protection:** Keep the cable away from heat sources and chemicals that may damage the FR-PVC jacket.
 - **Cleaning:** Wipe the cable with a dry cloth to prevent dust accumulation that could affect connectivity.
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5. Applications

The Dahua PFM922I-5EUN-C-100 is ideal for:

- **Basic Networking:** LAN installations that do not require high speed.
 - **Video Surveillance Systems:** Standard-resolution video transmission for IP cameras and other security devices.
 - **Indoor Installations:** Environments where a cost-effective cable that meets safety standards is needed.
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6. Safety

- **Precautions:** Avoid bending the cable at sharp angles to prevent damage to the internal conductors.
 - **Handling:** Handle the cable carefully during installation to avoid stretching or kinking that could compromise its performance.
 - **Warnings:** Do not use the cable in applications that exceed its technical specifications, as this could cause system failures.
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7. Troubleshooting

7.1 Common Issues

- **Faulty Connection:** Ensure the RJ45 connectors are properly installed and the cable is not damaged.
- **Signal Loss:** Check the installation and make sure the cable is not exposed to interference.

7.2 Technical Support

For issues not covered in this guide, contact Dahua technical support, providing the product's serial number for further assistance.