User Manual - Dahua PFM920I-6UN-C-100

---

1. Introduction

The Dahua PFM920I-6UN-C-100 is a 100-meter UTP Cat6 cable reel designed for video and network applications. Made with 100% copper and featuring a flame-retardant jacket with CE CPR Eca certification, this cable is ideal for installations requiring high speed and reliability.

---

2. Key Features

- **Length**: 100 meters, suitable for medium to large installations.
- **Cable Type**: UTP Cat6, designed for high-speed data and video transmission.
- **Material**: Pure copper conductors, offering excellent conductivity and durability.
- **Jacket**: Flame-retardant with CE CPR Eca certification, ensuring safety in indoor installations.
- **Application**: Ideal for networking and video surveillance systems.

---

3. User Guide

3.1 Installation

- **Preparation**: Determine the necessary length before cutting the cable. Ensure that cable pathways are clear and secure.
- **Cable Connection**: Unroll the cable and make the necessary connections according to the TIA/EIA-568-B standard for RJ45 connections.
- **Securing**: Secure the cable using ties or clips to avoid kinks or damage.

3.2 Configuration

- **Connectivity Test**: Use a cable tester to verify continuity and correct cable termination.
- **Optimization**: Adjust the cable route to minimize interference and optimize performance.

---

4. Maintenance

- **Regular Inspection**: Perform periodic inspections to detect any wear or damage to the cable, especially at the connections.
- **Protection**: Avoid exposing the cable to heat sources or chemicals that may damage the flame-retardant jacket.
- **Cleaning**: Keep the cable free of dust and dirt to ensure a stable connection and prolong its lifespan.

---

5. Applications

The Dahua PFM920I-6UN-C-100 is ideal for:

- **Data Networks**: LAN installations requiring high speed and reliable performance.
- **Video Surveillance Systems**: High-resolution video transmission for IP cameras and other security devices.
- **Indoor Installations**: Suitable for environments where fire safety is a major concern.

---

6. Safety

- **Precautions**: Do not exceed the recommended bend radius to avoid internal damage to the cable.
- **Handling**: Handle carefully during installation to avoid stretching or kinking that may compromise the cable's integrity.
- **Warnings**: Do not use the cable in applications that exceed its technical specifications, as this could result in system failures.

---

7. Troubleshooting

7.1 Common Issues

- **Intermittent Connection**: Check the cable termination and ensure that the RJ45 connectors are properly installed.
- **Signal Loss**: Ensure the cable is not damaged and that the installation adheres to recommended standards.

7.2 Technical Support

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