User Manual: DAHUA PFM920I-5EUN

1. Introduction

Welcome to the user manual for the DAHUA PFM920I-5EUN. This high-quality UTP cable is designed to provide reliable connections for both data networks and video systems, and is compatible with Power over Ethernet (PoE) technology.

2. Product Features

- **Cable Type:** UTP (Unshielded Twisted Pair)
- **Category:** 5e
- **Conductor Material:** 100% Copper
- **Length:** 305 Meters
- **Color:** White
- **CPR Certification:** Eca (Euroclass Cca-s1,d1,a1)
- **Applications:** Ideal for data transmission in Ethernet networks and video surveillance systems.
- **Compatibility:** Supports PoE to simplify the installation of devices that require power and data through the same cable.

3. Package Contents

- 1 Bobbin of DAHUA PFM920I-5EUN UTP Cable (305 Meters)
- User Manual (this document)

4. Usage Guide

Preparation for Installation:

1. **Initial Inspection:**
   - Check the cable before installation to ensure it is free from visible damage.
   - Ensure the cable is properly stored, without twists or crushes.
2. **Recommended Tools:**
   - Wire stripper
   - Crimping tool
   - RJ45 connectors
   - Cable tester (optional but recommended)

3. **Installation:**
   - **Unrolling:** Carefully unroll the cable, avoiding twists or damage.
   - **Cable Stripping:** Remove the outer jacket with a wire stripper, exposing the internal twisted pairs.
   - **Connector Installation:** Arrange the internal pairs according to the T568A or T568B standard and attach them to the RJ45 connectors. Use a crimping tool to secure the connection.
   - **Testing:** Use a cable tester to verify that the connection is correct and the cable functions properly.

5. Maintenance

Recommendations:

1. **Regular Inspection:**
   - Periodically check the cable for signs of damage, such as cuts, twists, or wear on the jacket.
2. **Storage:**
   - Store the cable in a dry, moisture-free location. Keep it away from extreme temperatures and direct sunlight.
3. **Handling:**
   - Avoid excessive bending or twisting of the cable during installation and use. Do not overload the cable with additional tension.

6. Applications

- **Data Networks:**
  - Ideal for Ethernet network applications in offices, homes, and business environments. Supports transmission speeds of up to 1000 Mbps.
- **Video Surveillance Systems:**
  - Compatible with IP camera systems, enabling both video data transmission and power over the same cable (PoE).
- **Commercial and Residential Installations:**
  - Suitable for use in offices, commercial buildings, and residences where a stable and reliable connection is required.

7. Additional Features

- **PoE Compatibility:**

- ○ Allows the transmission of both power and data through the same cable, simplifying the installation of devices that need both power and network connectivity.
- **CPR Certification Eca:**
  - ○ Meets European standards for cables with a low risk of fire propagation, ensuring safety in installations.