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TKH SECURITY CBL.D10-9 Poe Cat6 Cabling Installation Guide

Contents

TKH SECURITY CBL.D10-9 Poe Cat6 Cabling

Product Information

The PoE Cat6 Cabling by TKH Security is a high-quality cabling solution designed for various applications. It is suitable for use in both residential and commercial settings. The cabling is available in three different lengths: CBL.D10-9 (9 meters), CBL.D10-7.5 (7.5 meters), and CBL.D10-0.5 (0.5 meters).

General Specifications

- Product Type: PoE Cat6 Cabling
- Standards: Compliant with industry standards
- Insulation Color: Black
- Installation Temperature: Suitable for installation in various temperature conditions
- Operating Temperature: Designed to operate within a wide temperature range
- Bending Diameter: 6.1 mm (minimum bending radius)
- Conductor Material: OFC (Oxygen-Free Copper)
- Nominal Diameter Deviation: 0.005 mm
- Insulation Material: HDPE (High-Density Polyethylene)
- Diameter: 1.0 mm
- Jacket Thickness: 0.3 mm
- Diameter Surface Material: Smooth, Clean, Shiny LSZH (Low Smoke Zero Halogen)
- Color: Black
- Ink Content Color: White
- Spacing Error: Less than 0.05%

Product Usage Instructions

Installation

To install the PoE Cat6 Cabling, follow these steps:

1. Identify the desired location for the cabling installation.

2. Ensure that the installation temperature is within the specified range.

3. Prepare the area by cleaning it and removing any obstacles.

4. Unroll the cabling and carefully position it along the desired path.

5. Avoid sharp bends and ensure a minimum bending diameter of 6.1 mm.

6. If required, secure the cabling using appropriate clips or fasteners.

7. Connect the cabling to the respective devices or connectors.

8. Test the connectivity and ensure proper functioning.

FAQ

- Q: What is the maximum length of the PoE Cat6 Cabling?
  A: The PoE Cat6 Cabling is available in three different lengths: 9 meters, 7.5 meters, and 0.5 meters. These lengths cater to various installation requirements.
- Q: Can the PoE Cat6 Cabling be used outdoors?
  A: The PoE Cat6 Cabling is designed for indoor use. It is not recommended for outdoor installations as it may not withstand extreme weather conditions.
- Q: Is the cabling compatible with other devices?
  A: Yes, the PoE Cat6 Cabling is compatible with a wide range of devices that support Cat6 cabling standards. Ensure that your devices are compatible before connecting them.

DESCRIPTION

- For an Automated Parking Guidance System (APGS), the TKH Security M5 Solution uses high-quality data and Power over Ethernet (PoE) cables: 100% copper, LSZH, and high conductivity.
- Plug-and-play connectors enable easy and fast installation. With zero metal alloy used, the 100% OFC copper ensures the best performance and durability. Plus, all cables with LSZH directives provide increased safety in public spaces, such as car parks, since they are halogen free and have no flame spread. A protective cap kit is included with both the 9 and 7.5 meter cables.

Part Numbers:

- CBL.D10-9
- CBL.D10-7.5
- CBL.D10-0.5

General Specifications

- Product Type U/UTP CAT6-4P
- Standards YD/T 1019-2013, TIA-568-C.2
- Specification 4x2x0.56 mm,
- Insulation Color White-Blue, Blue, White-Green, Green, White-Orange, Orange, White-Brown, Brown
- Installation Temperature -15°C to 40°C
- Operating Temperature -20°C to 70°C
- Bending Diameter 8 times of the jacket diameter

Conductor

- Material OFC
- Nominal Diameter 0.56 mm
- Deviation 0.005 mm

Insulation

- Material HDPE
- Diameter 1.0 mm 0.3 mm

Jacket

- Thickness 0.55 0.05 mm
- Diameter 6.1 0.1 mm
- Surface Smooth, Clean, Shiny
- Material LSZH
- Color Black

Ink
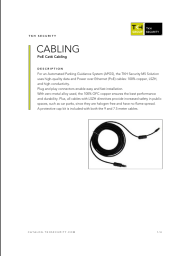
- Content Color White
- Spacing error Less than .05%

RELATED

- TKH Security M5 Sensor

  Camera Sensor, 5th Generation, single camera, daisy chain

- TKH Security M5 Sensor

  Camera Sensor, 5th Generation, single camera, daisy chain

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Documents / Resources

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CBL.D10-9 Poe Cat6 Cabling, CBL.D10-9, Poe Cat6 Cabling, Cat6 Cabling, Cabling

References

- **TCPDF**
- **» M5 Sensor**
- **User Manual**