

# DH-PFM942I-10-5

## CCTV Video and Power Cable



- Compatible with all CCTV analogy DVR systems, transmitting video and power simultaneously, saving wiring and no delay.
- Work for 720p/1080p/4MP/5MP/4K, AHD/CVI/TVI/CVBS security camera system.
- High-purity oxygen-free copper conductor material, featuring good transmission performance; Flame-retardant PVC outer sheath for weatherproof indoor and outdoor use.
- Pre-made cable BNC and DC power connectors ( $\varnothing 2.1$  mm) ready to go, can directly connect the camera and back-end equipment.
- Cable length 10 meters/bag.

### System Overview

CCTV Video and Power Cable consists of a coaxial cable and two-core power cord. There is one BNC connector and one DC5.5 connector on either cable end for camera video transmission and power supply. It is convenient to install the cable in generic cabling system.

### Technical Specification

#### Conductor

Material	Coaxial cable/Power wire: oxygen-free copper
Diameter	Coaxial cable/Power wire: $7/0.127$ mm $\pm 0.01$ mm ( $7/0.005$ " $\pm 0.0004$ ")
Wire Gauge	Coaxial cable/Power wire: 28AWG

#### Insulation

Material	Coaxial cable: PE Foam; Power wire: PVC
Thickness	Coaxial cable: $\geq 0.6$ mm (0.024"); Power wire: $\geq 0.2$ mm (0.008")
Diameter	Coaxial cable: $1.9$ mm $\pm 0.2$ mm ( $0.075$ " $\pm 0.008$ "); Power wire: $1.1$ mm $\pm 0.2$ mm ( $0.043$ " $\pm 0.008$ ")
Color	Coaxial cable: 1 core (white); Power wire: 2 cores (red & black)

#### Inner Shield

Material	Coaxial cable: single-sided aluminum foil composite; Power wire: NA
Specification	Coaxial cable: $T \geq 0.026$ mm (0.001"), $W: 7$ mm $\pm 1$ mm ( $0.276$ " $\pm 0.039$ "); Power wire: NA
Overlap Rate	Coaxial cable: $\geq 25\%$ ; Power wire: NA

#### Outer Shield

Material	Coaxial cable: Copper clad aluminum (28) + oxygen-free copper (4); Power wire: NA
Specification	Coaxial cable: $16 \times 2 \times 0.10$ mm $\pm 0.01$ mm ( $0.004$ " $\pm 0.0004$ "); Power wire: NA

Lay Length	Coaxial cable: $18$ mm $\pm 6$ mm ( $0.71$ " $\pm 0.24$ "); Power wire: NA
Shield Coverage	Coaxial cable: $\geq 45\%$ ; Power wire: NA

#### Sheath

Material	Coaxial cable/Power wire: PVC
Min. Average Thickness	Coaxial cabl/Power wire: $\geq 0.2$ mm (0.008")
Diameter	Coaxial cable/Power wire: $2.8$ mm $\pm 0.2$ mm ( $0.11$ " $\pm 0.008$ ")
Color	Coaxial cable/Power wire: Black

#### Electrical

Max. DC Resistance of a Single Conductor	Coaxial cable/Power wire: $\leq 21.8\Omega$ @100 m
Min. Insulation Resistance	Coaxial cable/Power wire: 5000M $\Omega$ -km
Dielectric Strength	Coaxial cable/Power wire: No breakdown with 2.5kV DC for 2s
Max. Supporting Power	5.6W

#### Transmission

Characteristic Impedance	Coaxial cable: $75\Omega \pm 10\Omega$ ; Power wire: NA
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#### Environmental

Operating Temperature	$-20^{\circ}\text{C}$ to $+60^{\circ}\text{C}$ ( $-4^{\circ}\text{F}$ to $140^{\circ}\text{F}$ )
Installation Temperature	$0^{\circ}\text{C}$ to $+50^{\circ}\text{C}$ ( $+32^{\circ}\text{F}$ to $122^{\circ}\text{F}$ )
Storage Temperature & Humidity	$-10^{\circ}\text{C}$ to $+40^{\circ}\text{C}$ ( $+14^{\circ}\text{F}$ to $+104^{\circ}\text{F}$ ), $< 60\%$ (RH)

#### Flame-retardant

Compliance Standard	EN 50575: 2014+A1: 2016
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#### Compliance

Compliance Standard	Q/DXJ 195-2020
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Certification	CPR (Eca)
<b>Packaging</b>	
Cable Length	10 m ± 0.2 m (32.81 ft ± 0.66 ft)
Inner Carton Dimensions	180 mm × 205 mm (7.09" × 8.07") (L × W)
Net Weight	220 g ± 80 g (0.49 lb ± 0.18 lb)
Gross Weight	225 g ± 80 g (0.50 lb ± 0.18 lb)
Packaging Dimensions	565 mm × 293 mm × 184 mm (22.24" × 11.54" × 7.24") (L × W × H)
Packaging Method	10 m/carton, 40 inner cartons in one package

Ordering Information		
Type	Part Number	Description
Cable Series	DH-PFM942I-10-5	CCTV Video and Power Cable

## Dimensions (mm[inch])

