

DH-PFM942I-30-3

CCTV Video and Power Cable



- Compatible with all CCTV analog 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(Ø2.1mm) ready to go, can directly connect the camera and back-end equipment.
- Cable length 30 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: 7/0.127 mm ± 0.01 mm (7/0.005" ± 0.0004"); Power wire: 7/0.160 mm ± 0.01 mm (7/0.006" ± 0.0004") |
| Wire Gauge | Coaxial cable: 28AWG; Power wire: 26AWG |

Insulation

| | |
|-----------|---|
| Material | Coaxial cable: PE Foam; Power wire: PVC |
| Thickness | Coaxial cable: ≥ 0.6 mm (0.024"); Power wire: ≥ 0.2 mm (0.008") |
| Diameter | Coaxial cable: 1.9 mm ± 0.2 mm (0.075" ± 0.008"); Power wire: 1.1 mm ± 0.2 mm (0.043" ± 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 ≥ 0.026 mm (0.001"), W: 7 mm ± 1 mm (0.276" ± 0.039"); Power wire: NA |
| Overlap Rate | Coaxial cable: ≥ 25%; Power wire: NA |

Outer Shield

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

| | |
|-----------------|---|
| Lay Length | Coaxial cable: 18 mm ± 6 mm (0.71" ± 0.24"); Power wire: NA |
| Shield Coverage | Coaxial cable: ≥ 45%; Power wire: NA |

Sheath

| | |
|------------------------|--|
| Material | Coaxial cable/Power wire: PVC |
| Min. Average Thickness | Coaxial cabl/Power wire: ≥ 0.2 mm (0.008") |
| Diameter | Coaxial cable/Power wire: 2.8 mm ± 0.2 mm (0.11" ± 0.008") |
| Color | Coaxial cable/Power wire: Black |

Electrical

| | |
|--|---|
| Max. DC Resistance of a Single Conductor | Coaxial cable: ≤ 21.8Ω@100 m; Power wire: ≤ 13.8Ω@100 m |
| Min. Insulation Resistance | Coaxial cable/Power wire: 5000MΩ·km |
| Dielectric Strength | Coaxial cable/Power wire: No breakdown with 2.5kV DC for 2s |
| Max. Supporting Power | 3.3W |

Transmission

| | |
|--------------------------|--|
| Characteristic Impedance | Coaxial cable: 75Ω ± 10Ω; Power wire: NA |
|--------------------------|--|

Environmental

| | |
|--------------------------------|--|
| Operating Temperature | -20°C to +60°C (-4°F to 140°F) |
| Installation Temperature | 0°C to +50°C (+32°F to 122°F) |
| Storage Temperature & Humidity | -10°C to +40°C (+14°F to +104°F), < 60% (RH) |

Flame-retardant

| | |
|---------------------|-------------------------|
| Compliance Standard | EN 50575: 2014+A1: 2016 |
|---------------------|-------------------------|

Compliance

| | |
|---------------------|----------------|
| Compliance Standard | Q/DXJ 195-2020 |
| Certification | CPR (Eca) |

Packaging

| | |
|-------------------------|---|
| Cable Length | 30 m ± 0.4 m (98.43 ft ± 1.31 ft) |
| Inner Carton Dimensions | 220 mm × 245 mm (8.66" × 9.65") (L × W) |
| Net Weight | 695 g ± 100 g (1.53 lb ± 0.22 lb) |
| Gross Weight | 703 g ± 100 g (1.55 lb ± 0.22 lb) |
| Packaging Dimensions | 399 mm × 273 mm × 334 mm (15.71" × 10.75" × 13.15") (L × W × H) |
| Packaging Method | 30 m/carton, 30 inner cartons in one package |

Ordering Information

| Type | Part Number | Description |
|--------------|-----------------|----------------------------|
| Cable Series | DH-PFM942I-30-3 | CCTV Video and Power Cable |

Dimensions (mm[inch])

