

DH-PFM942I-30-3

CCTV Video and Power Cable



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 \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 × 2 × 0.10 mm \pm 0.01 mm (0.004" \pm 0.0004"); Power wire: NA	

• 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.

 \cdot 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.

Lay Length	Coaxial cable: 18 mm \pm 6 mm (0.71" \pm 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 \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: $\leq 21.8\Omega@100$ m; Power wire: $\leq 13.8\Omega@100$ m
Min. Insulation Resistance	Coaxial cable/Power wire: 5000M Ω ·km
Dialectric Strength	Coaxial cable/Power wire: No breakdown with 2.5kV DC for 2s
Max. Supporting Power	3.3W
Max. Supporting Power Transmission	3.3W
	$3.3W$ Coaxial cable: $75\Omega\pm10\Omega;$ Power wire: NA
Transmission	
Transmission Characteristic Impedance	
Transmission Characteristic Impedance Environmental	Coaxial cable: $75\Omega \pm 10\Omega$; Power wire: NA
Transmission Characteristic Impedance Environmental Operating Temperature	Coaxial cable: $75\Omega \pm 10\Omega$; Power wire: NA -20°C to +60°C (-4°F to 140°F)
Transmission Characteristic Impedance Environmental Operating Temperature Installation Temperature Storage Temperature &	Coaxial cable: 75Ω ± 10Ω; Power wire: NA -20°C to +60°C (-4°F to 140°F) 0°C to +50°C (+32°F to 122°F)
Transmission Characteristic Impedance Environmental Operating Temperature Installation Temperature Storage Temperature & Humidity	Coaxial cable: 75Ω ± 10Ω; Power wire: NA -20°C to +60°C (-4°F to 140°F) 0°C to +50°C (+32°F to 122°F)
Transmission Characteristic Impedance Environmental Operating Temperature Installation Temperature Storage Temperature & Humidity Flame-retardant	Coaxial cable: 75Ω ± 10Ω; Power wire: NA -20°C to +60°C (-4°F to 140°F) 0°C to +50°C (+32°F to 122°F) -10°C to +40°C (+14°F to +104°F), < 60% (RH)
Transmission Characteristic Impedance Environmental Operating Temperature Installation Temperature Storage Temperature & Humidity Flame-retardant Compliance Standard	Coaxial cable: 75Ω ± 10Ω; Power wire: NA -20°C to +60°C (-4°F to 140°F) 0°C to +50°C (+32°F to 122°F) -10°C to +40°C (+14°F to +104°F), < 60% (RH)
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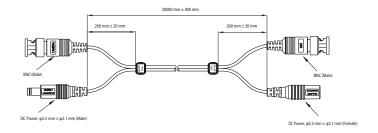
Cable Series | DH-PFM942I-30-3

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

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

Dimensions (mm[inch])



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