

# DH-PFM920I-6UN-CN UTP CAT6 Cable



- · 305 m (1000 ft)/carton UTP CAT6, power over Ethernet, compatible with one cable
- · High-purity oxygen-free copper conductor
- · Customized PVC outer sheath; Have certain flame retardant properties

≤5.6nF/100m

100 Ω± 15Ω

- · Meet ANSI TIA 568C.2 and CPR Eca standards
- · 10-year warranty

Cable to Capacitance

Characteristic Impedance

Transmission

#### System Overview

Network cables are the most commonly used transmission mediums in generic cabling system. It is usually composed of 4 pairs of twisted wires, and is generally applied in system cabling within 100 meters.

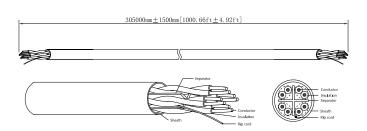
#### Technical

and is generally applied in system cabling within 100 meters.		(4-250Mhz)	100 Ω± 15Ω
Technical Specification		Mechanical	
Conductor		Tensile Strength	Sheath≥13.5 MPa
Material	Oxygen free copper (99.95% purity)	-	
Diameter	0.53 mm ± 0.02mm (0.02" ± 0.0007")	Elongation at Break	Sheath≥150%, insulation≥300%
Insulation		Installation Bending Radius −20°C, 4h	>8 times of outer cable diameter
Material	HDPE	Conductor Elongation at Break	≥10%
Diameter	0.94 mm ± 0.05mm (0.04" ± 0.0020")	Environmental	
Color (4 Pairs)	Blue, white/blue; orange, white/orange; green, white/green; brown, white/brown	Shrinkage of Insulation	≤5%
Separator		Sheath Tensile Strength and Elongation at Break after Aging	≥12.5 MPa, ≥125%
Material	PE	Low Temperature Bending Test	No cracking after the test
Sheath		Heat Shock Test	No cracking after the test
Material	PVC		-
Min. Average Thickness	0.5 mm(0.02")	Operating Temperature	–20°C to +75°C (–4°F to 167°F)
Diameter	5.8mm ± 0.03 mm(0.23"± 0.0012")	Storage Temperature and Humidity	–10°C to +40°C (14°F to 104°F), <60% (RH)
Color	Grey RAL7046	Packaging	
Electrical		Cable Length	305.0 m (1000.66 ft) ± 1.5 m (4.92 ft)
Max. DC Resistance of a Single Conductor(1000Hz)	9.0Ω/100 m	Inner Carton Dimensions	416.0 mm × 412.0 mm × 220.0 mm (16.38" × 16.22" ×8.66") (L × W × H)
Unbalanced capacitance to	≤160pF/100m	Packaging Method	305.0 m (1000.66 ft) a carton
ground		Net Weight	11.6±0.6kg(25.57 lb)
Max. DC Resistance Unbalance	2% (pair intra), 4% (pairs inter)	Gross Weight	12.5±0.6kg(27.55lb)

## Cable Series | DH-PFM920I-6UN-CN

Ordering Information				
Туре	Model	Description		
Network Cable	DH-PFM920I-6UN-CN	UTP CAT6 Cable		

### Dimensions (mm/inch)





Rev 001.001 © 2022 Dahua. All rights reserved. Design and specifications are subject to change without notice. Pictures in the document are for reference only, and the actual product shall prevail.