

# DH-PFM920-6UN

305m Outdoor Double-sheathed UTP CAT6 Network Cable



- 305 m (1000 ft)/carton outdoor UTP CAT6, power over Ethernet, compatible with one cable
- High-purity oxygen-free copper conductor
- Customized UV-protection and flame retardant PE outer sheath, certain degree of waterproof
- 10-year warranty

## 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 Specification

### Conductor

Material	Oxygen free copper (99.97% purity)
Diameter	0.53 mm $\pm$ 0.02 mm
American Wire Gauge	24 AWG

### Insulation

Material	HDPE
Diameter	0.95 mm $\pm$ 0.02 mm
Color (4 Pairs)	Blue, white/blue; orange, white/orange; green, white/green; brown, white/brown

### Separator

Material	PE
Specification	Translucent 4.3 $\times$ 0.35 mm

### Rip Cord

Material	Nylon
Specification	450D

### Inner Sheath

Material	PVC
Min. Average Thickness	0.45 mm

Diameter	5.6 mm $\pm$ 0.2 mm
Color	White

### Outer Sheath

Material	MDPE
Min. Average Thickness	0.5 mm
Diameter	6.8 mm $\pm$ 0.2 mm
Color	Black

### Electrical

Max. DC Resistance of a Single Conductor	9.0 $\Omega$ /100 m
Min. Insulation Resistance	5000M $\Omega$ ·km
Max. DC Resistance Unbalance	2% (pair intra), 4% (pairs inter)
Dielectric Strength	No breakdown with 1KV DC for 1 min

### Transmission

Characteristic Impedance	100 $\pm$ 15 $\Omega$
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### Mechanical

Tensile Strength	Sheath $\geq$ 13.5 MPa, insulation $\geq$ 16 MPa
Elongation at Break	Sheath $\geq$ 150%, insulation $\geq$ 300%
Installation Bending Radius	>8 times of outer cable diameter
Conductor Elongation at Break	$\geq$ 10%

**Packaging**

Cable Length	305.0 ± 1.5 m
Reel Dimensions	Outer Diameter = 320 mm Inner Diameter = 100 mm Height = 240 mm
Packaging Method	305m a reel
Net Weight	13.8 kg
Gross Weight	14 kg

**Ordering Information**

Type	Model	Description
Network Cable	DH-PFM920-6UN	305m Outdoor UTP CAT6 Cable

**Dimensions (mm/inch)**

