

DH-PFM920-6UN

305m Outdoor U/UTP CAT6 Network Cable (Black, PE sheath)



- 305 m (1000 ft)/carton Outdoor U/UTP CAT6, power over Ethernet, compatible with one cable.
- · High-purity oxygen-free copper conductor material.
- Customized PE outer sheath, certain degree of waterproof.
 Environmentally friendly and all materials used are RoHS compliant.
- · 10-year warranty.

Series 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)	
Conductor Structure	0.53 mm ± 0.02 mm (0.02" ± 0.0008")	
American Wire Gauge	24AWG	
Insulation		
Insulating Material	HDPE	
Min. Average Thickness	0.21 mm (0.0083")	
Insulation Diameter	0.95 mm ± 0.06 mm (0.04" ± 0.0024")	
Insulation Color	8 cores, Blue, white/blue; Orange, white/orange; Green, white/green; Brown, white/brown	
Rip Cord		
Material	Polyester	
Specification	3 × 150D	
Separator		
Material	PE	
Specification	Translucent 4.3 × 0.35 mm	
Inner Sheath		
Material	PVC	
Min. Average Thickness	0.45 mm (0.02")	

Diameter	5.6 mm ± 0.4 mm (0.22" ± 0.02")	
Color	White	
Sheath		
Min. Average Thickness	0.5 mm (0.02")	
Sheath Material	MDPE	
Sheath Diameter	6.8 mm ± 0.4 mm (0.27" ± 0.02")	
Sheath Color	Black	
Electrical		
Max. DC Resistance of a Single Conductor	9.5 Ω@100 m (328.08 ft)	
Min. Insulation Resistance	5000 MΩ·km	
Max. DC Resistance Unbalance	2% (pair intra), 4% (pairs inter)	
Dielectric Strength	No breakdown with 1kV DC for 1 min	
Transmission		
Characteristic Impedance	$100~\Omega \pm 15~\Omega$	
Near-end Crosstalk	≥39.30 dB/100 m@250 MHz	
Max. Attenuation	34.8 dB/100 m@250 MHz	
Return Loss	≥17.3 dB/100 m@250 MHz	
Mechanical		
Tensile Strength	Sheath≥13.5 MPa, insulation≥16 Mpa	
Elongation at Break	Sheath≥150%, insulation≥300%	
Installation Bending Radius	>8 times of outer cable diameter	
Conductor Elongation at Break	≥10%	

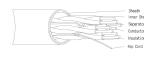
Network Cable | DH-PFM920-6UN

Environmental Shrinkage of Insulation ≤5% Color Migration Resistance No migration of Insulation Sheath Tensile Strength and Elongation at Break after ≥12.5 MPa, ≥100% Aging Low Temperature Bending No cracking after the test Test **Heat Shock Test** No cracking after the test −20 °C to +60 °C (−4 °F to +140 °F) **Operating Temperature** Installation Temperature 0 °C to +50 °C (+32 °F to +122 °F) $-10~^{\circ}\text{C}$ to +40 $^{\circ}\text{C}$ (+14 $^{\circ}\text{F}$ to +104 $^{\circ}\text{F}$) Storage Temperature Storage Humidity <60% (RH) Security Vertical Flame Test Comply with IEC 60332-1-2 **Packaging** Cable Length 305.0 m± 2 m (1,000.66 ft ± 6.56 ft) 305 m (1,000 ft) a carton, one carton with 2 inner Packaging Method cartons 433 mm × 433 mm × 230mm (17.05" × 17.05" ×9.06") (L **Packaging Dimensions** 495 mm × 457mm × 466mm (19.49" × 17.99" × 18.35") Transport Package Dimensions 13.5 kg ± 0.6 kg (29.76 lb ± 1.32 lb) Net Weight Gross Weight 14.5 kg \pm 0.6 kg (31.97 lb \pm 1.32 lb) Compliance Standard **Compliance Standard** Q/DXJ 067-2024

Ordering Information			
Туре	Model	Description	
Network Cable	DH-PFM920-6UN	305m Outdoor U/UTP CAT6 Network Cable (Black, PE sheath)	

Dimensions (mm[inch])

mm[ft]





Inner Sheath
Conductor
Insulation
Separator
Sheath
Rip Cord

