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; CE CPR Eca flame retardant class certified
- 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 (99.95% purity)
Diameter	0.53 mm ± 0.02mm（0.02" ± 0.0007"）
American Wire Gauge	24AWG
Insulation	
Material	HDPE
Diameter	0.94 mm ± 0.05mm（0.04" ± 0.0020"）
Color (4 Pairs)	Blue, white/blue; orange, white/orange; green, white/green; brown, white/brown
Separator	
Material	PE
Sheath	
Material	PVC
Min. Average Thickness	0.5 mm(0.02")
Diameter	5.8mm ± 0.03 mm(0.23"± 0.0012")
Color	Grey RAL7046/white/orange
Electrical	
Max. DC Resistance of a Single Conductor(1000Hz)	9.0Ω/100 m
Unbalanced capacitance to ground	≤160pF/100m
Max. DC Resistance Unbalance	2% (pair intra), 4% (pairs inter)
Cable to Capacitance	≤5.6nF/100m
Transmission	
Characteristic Impedance (4-250Mhz)	100 Ω± 15Ω
Mechanical	
Tensile Strength	Sheath≥13.5 MPa
Elongation at Break	Sheath≥150%, insulation≥300%
Installation Bending Radius -20℃, 4h	>8 times of outer cable diameter
Conductor Elongation at Break	≥10%
Environmental	
Shrinkage of Insulation	≤5%
Sheath Tensile Strength and Elongation at Break after Aging	≥12.5 MPa, ≥125%
Low Temperature Bending Test	No cracking after the test
Heat Shock Test	No cracking after the test
Operating Temperature	–20°C to +75°C (–4°F to 167°F)
Storage Temperature and Humidity	–10°C to +40°C (14°F to 104°F), <60% (RH)
Packaging	
Cable Length	305.0 m (1000.66 ft) ± 1.5 m (4.92 ft)
Inner Carton Dimensions	416.0 mm × 412.0 mm × 220.0 mm (16.38" × 16.22" ×8.66") (L × W × H)
Packaging Method	305.0 m (1000.66 ft) a carton
Net Weight	11.6±0.6kg(25.57 lb)
Gross Weight	12.5±0.6kg(27.55lb)

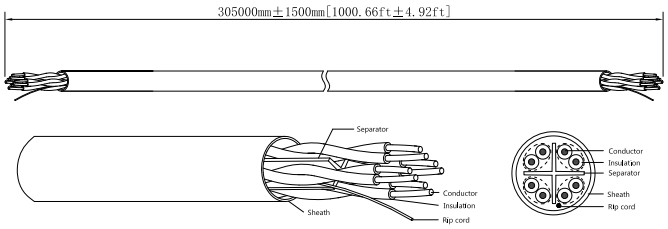
Certifications

Certification	CE CPR Eca

Ordering Information

Type	Model	Description
Network Cable	DH-PFM920I-6UN-CN	UTP CAT6 Cable

Dimensions (mm/ft)



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