DH-PFM920-5EU

305m Outdoor UTP CAT5e Cable



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.

Features

- 305.0 m (1000 ft)/carton outdoor UTP CAT5e, power over Ethernet, compatible with one cable.
- High-purity Oxygen-Free Copper conductor material.
- Customized MDPE outer sheath; meet ANSI/TIA 568-C.2 flame retardant class certified
- Environmentally friendly and all materials used are RoHS compliant.

Technical Specification

Conductor

Material	Oxygen free copper (99.97% purity)
Diameter	0.50 mm ± 0.01 mm(0.02"± 0.0004")
American Wire Gauge	24AWG

Insulation

Material	HDPE
Min. Average Thickness	0.21 mm(0.0082")
Diameter	0.89 mm ± 0.06 mm(0.04"± 0.0023")
Color	8-core, Blue, white/blue; orange, white/orange; green, white/green; brown, white/brown

Rip Cord

Material	Polyester
Specification	500D

Wrap

Material	Polyester tape (transparent)
Dimension	W: 20mm±2mm*T: 0.026mm±0.02mm(W: 0.78"±0.07"*T: 0.0010"±0.0007")

Sheath

Material	MDPE
Min. Average Thickness	0.7 mm(0.03")
Diameter	5.2 mm ± 0.4 mm(0.20"± 0.0157")
Color	Black

Electrical

Max. DC Resistance of a Single Conductor	9.5Ω/100 m
Min. Insulation Resistance	5000MΩ·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 ± 15Ω
Near End Cross Talk	≥35.30 dB/100 m@100 MHz
Max. Attenuation	22 dB/100 m@100 MHz
Return Loss	≥20.1 dB/100 m@100 MHz

Mechanical

Tensile Strength	Sheath≥12 MPa, insulation≥16 MPa
Elongation at Break	Sheath≥350%, insulation≥300%
Installation Bending Radius	>8 times of outer cable diameter
Conductor Elongation at Break	≥15%

Environmental

Shrinkage of Insulation	≤5%
Color Migration Resistance of Insulation	No migration

Low Temperature Bending Test	No cracking after the test
Heat Shock Test	No cracking after the test
Operation Temperature	–30°C to +60°C (–22°F to 140°F)
Installation Temperature	–5°C to +50°C (23°F to 122°F)
Storage Temperature and Humidity	–10°C to +40°C (14°F to 104°F), <60% (RH)

Packaging

Length	305m (1000.66 ft) ± 1.5 m (4.92 ft)
Packaging Dimensions	406mm × 404 mm × 216 mm (15.98" × 15.90" ×8.50") (L × W × H)
Packaging Method	305 m (1000.66 ft) a carton, one protection carton with 2 cartons inside
Net Weight	8.5kg±0.6kg (18.73 lb±1.32lb)
Gross Weight	9.3kg±0.6kg (20.50 lb±1.32lb)

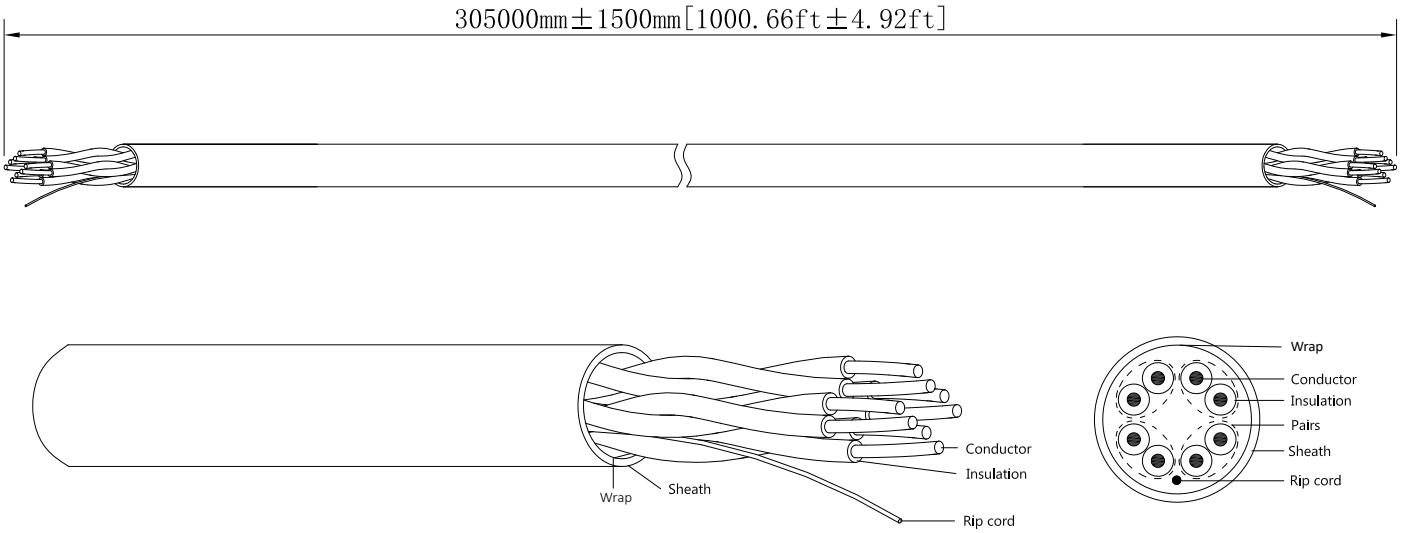
Executive Standard

Executive Standard	ANSI/TIA 568-C.2

Ordering Information

Type	Model	Description
Network Cable	DH-PFM920-5EU	Outdoor UTP CAT5e Cable

Dimensions (mm/inch)



Package Information

· 305m Outdoor UTP CAT5e cable *1

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