

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 \pm 0.01 mm (0.02" \pm 0.0004")
American Wire Gauge	24AWG

Insulation

Material	HDPE
Min. Average Thickness	0.21 mm (0.0082")
Diameter	0.89 mm \pm 0.06 mm (0.04" \pm 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 \pm 2mm*T: 0.026mm \pm 0.02mm(W: 0.78" \pm 0.07" *T: 0.0010" \pm 0.0007")

Sheath

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

Electrical

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

Mechanical

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

Environmental

Shrinkage of Insulation	\leq 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)

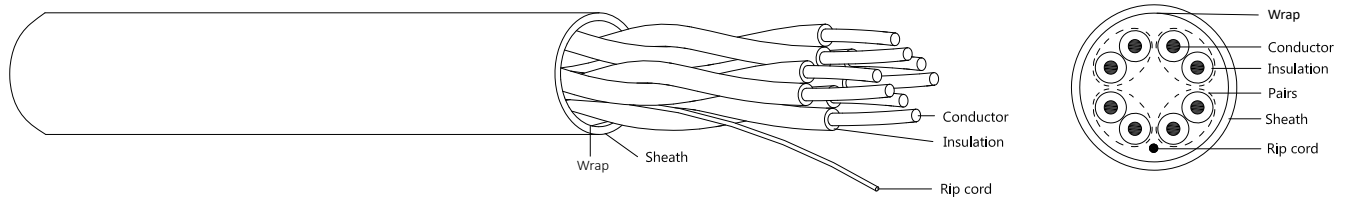
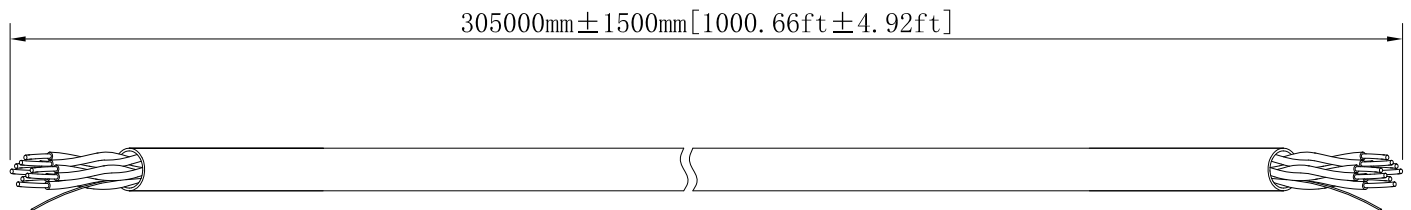
Executive Standard

Executive Standard	ANSI/TIA 568-C.2
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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