DH-PFM920-6AU

305m Outdoor U/UTP CAT6A Network Cable (Black)



- 305 m (1000 ft)/roll Outdoor U/UTP CAT6A, 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	0.57 mm ± 0.01 mm (0.0224" ± 0.0004")
American Wire Gauge	23AWG

Insulation

Insulating Material	Foaming PE
Min. Average Thickness	0.21 mm (0.0083")
Insulation Diameter	1.1 mm ± 0.1 mm (0.0433" ± 0.004")
Insulation Color	8 cores, Blue, white/blue; Orange, white/orange; Green, white/green; Brown, white/brown

Rip Cord

Material	Polyester
Specification	150D × 3

Separator

Material	PE
Specification	Translucent 4.5 mm × 0.4 mm (0.18" × 0.0157")

Wrapping Tape

Material	Plastic-aluminum-plastic
Thickness	0.07 mm × 24 mm (0.0028" × 0.9449")

Sheath

Min. Average Thickness	0.7 mm (0.0276")
Sheath Material	MDPE
Sheath Diameter	7 mm ± 0.3 mm (0.2756" ± 0.0118")
Sheath Color	Black

Electrical

Max. DC Resistance of a Single Conductor	7.9 Ω/100 m
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 Ω ± 15 Ω
Near-end Crosstalk	≥34.8 dB/100 m@500 MHz
Max. Attenuation	≥45.3 dB/100 m@500 MHz
Return Loss	≥17.3 dB/100 m@500 MHz

Mechanical

Tensile Strength	Sheath≥12 MPa, insulation≥10 Mpa
Elongation at Break	Sheath≥350%, insulation≥200%
Installation Bending Radius	>15 times of outer cable diameter
Conductor Elongation at Break	≥15%

Environmental

Shrinkage of Insulation	≤5%
Color Migration Resistance of Insulation	No migration
Sheath Tensile Strength and Elongation at Break after Aging	≥9.6 MPa, rate of change≤20%
Low Temperature Bending Test	No cracking after the test
Heat Shock Test	No cracking after the test
Operating Temperature	–20 °C to +60 °C (–4 °F to +140 °F)

Installation Temperature	0 °C to +50 °C (+32 °F to +122 °F)
Storage Temperature	–10 °C to +40 °C (+14 °F to +104 °F)
Storage Humidity	<60% (RH)

Packaging

Cable Length	305.0 m± 2 m (1,000.66 ft ± 6.56 ft)
Packaging Method	305.0 m (1000.66 ft) a roll, plywood wooden shaft
Packaging Dimensions	300 mm × 300 mm × 320 mm (11.81" × 11.81" × 12.60") (L × W × H)
Net Weight	15 kg ± 0.60 kg (33.07 lb ± 1.32 lb)
Gross Weight	16.50 kg ± 0.60 kg (36.38 lb ± 1.32 lb)

Compliance Standard

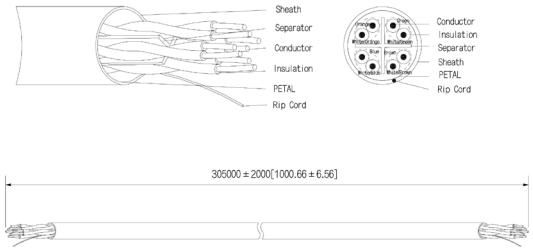
Compliance Standard	YD/T 3296.2-2018

Ordering Information

Type	Model	Description
Network Cable	DH-PFM920-6AU	305m Outdoor U/UTP CAT6A Network Cable (Black)

Dimensions (mm[inch])

mm[ft]



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