

DH-PFM922-6UN

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



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	CCA (copper content 22%–31%)
Conductor Structure	0.57 mm ± 0.01 mm (0.02" ± 0.0004")
American Wire Gauge	23AWG

Insulation

Insulating Material	HDPE
Min. Average Thickness	0.21 mm (0.01")
Insulation Diameter	1.03 mm ± 0.06 mm (0.04" ± 0.002")
Insulation Color	8 cores. Blue, white and blue; Orange, white and orange; Green, white and green; Brown, white and brown

Rip Cord

Material	Polyester
Specification	500D

Separator

Material	PE
Specification	Translucent 4.5 mm × 0.35 mm (0.18" × 0.01")

Wrapping Tape

Material	PET
Thickness	0.025mm×20mm (0.001" × 0.79")

- 305 m (1,000.66 ft)/carton, outdoor U/UTP CAT6, power over Ethernet, compatible with one cable.
- Manufacturing excellence.
- Customized PE outer sheath, certain degree of waterproof.
- Environmentally friendly and all materials used are RoHS compliant.
- 10-year warranty.

Sheath

Min. Average Thickness	0.7 mm (0.03")
Sheath Material	MDPE
Sheath Diameter	6.6 mm ± 0.3 mm (0.26" ± 0.01")
Sheath Color	Black

Electrical

Max. DC Resistance of a Single Conductor	11.5 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	≥39.3 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 ≥20 MPa, insulation ≥16 MPa
Elongation at Break	Sheath ≥250%, insulation ≥300%
Installation Bending Radius	>8 times of outer cable diameter
Conductor Elongation at Break	≥8%

Environmental

Shrinkage of Insulation	≤5%
Color Migration Resistance of Insulation	No migration
Sheath Tensile Strength and Elongation at Break after Aging	≥16 MPa, ≥200%
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 m ± 2 m (1,000.66 ft ± 6.56 ft)
Packaging Method	305 m (1,000.66 ft) a carton, one carton with 2 inner cartons
Packaging Dimensions	436 mm × 436 mm × 236 mm (17.17" × 17.17" × 9.29") (L × W × H)
Transport Package Dimensions	495 mm × 457 mm × 466 mm (19.49" × 17.99" × 18.35") (L × W × H)
Net Weight	8 kg ± 0.6 kg (17.64 lb ±1.32 lb)
Gross Weight	9 kg ± 0.6 kg (19.84 lb ±1.32 lb)

Compliance Standard

Compliance Standard	Q/DXJ 067-2024
---------------------	----------------

Ordering Information

Type	Model	Description
Network Cable	DH-PFM922-6UN	305m Outdoor U/UTP CAT6 Network Cable (Black,CCA)

Dimensions (mm[inch])

