

DH-PFM922I-6UN-C

305m U/UTP CAT6 Network Cable (White,CCA,CPR Eca)



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	1.02 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 × 0.4 mm (0.18" × 0.02")

Sheath

Min. Average Thickness	0.5 mm (0.02")
Sheath Material	PVC
Sheath Diameter	6.5 mm ± 0.30 mm (0.26" ± 0.01")

- 305 m (1,000.66 ft)/carton, U/UTP CAT6, power over Ethernet, compatible with one cable.
- Manufacturing excellence.
- Customized PVC outer sheath, CE CPR Eca flame retardant class certified.
- 10-year warranty.

Sheath Color	White
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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 ≥13.5 MPa, insulation ≥16 MPa
Elongation at Break	Sheath ≥150%, 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	≥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 +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)
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Security

Vertical Flame Test	IEC 60332-2-2
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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	394 mm × 394 mm × 253 mm (15.51" × 15.51" × 9.96") (L × W × H)
Transport Package Dimensions	527 mm × 415 mm × 424 mm (20.75" × 16.34" × 16.69") (L × W × H)
Net Weight	9.5 kg ± 0.5 kg (20.94 lb ± 1.10 lb)
Gross Weight	10.5 kg ± 0.5 kg (23.15 lb ± 1.10 lb)

Compliance Standard

Compliance Standard	Q/DXJ 067-2024
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Certifications

Certifications	CPR Eca
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Flame-retardant Standard

Compliance Standard	EN 50575 Eca
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Ordering Information

Type	Model	Description
Network Cable	DH-PFM922I-6UN-C	305m U/UTP CAT6 Network Cable (White,CCA,CPR Eca)

Dimensions (mm[inch])

