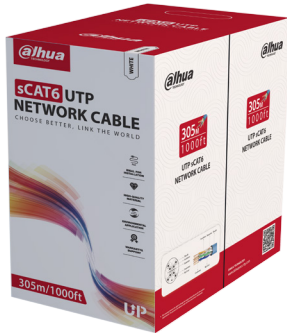


DH-PFM920I-6UN1-N

305m UTP sCAT6 Cable



- 305 m (1000 ft)/carton UTP sCAT6, power over Ethernet, compatible with one cable.
- High-purity oxygen-free copper conductor material.
- Customized PVC outer sheath; CE CPR Fca flame retardant class certified.
- 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	0.5 mm ± 0.01 mm (0.02" ± 0.0004")
American Wire Gauge	24AWG

Insulation

Insulating Material	HDPE
Min. Average Thickness	0.16 mm (0.01")
Insulation Diameter	0.88 mm ± 0.06 mm (0.03" ± 0.0024")
Insulation Color	8 cores, Blue, white/blue, orange, white/orange; green, white/green; brown, white/brown

Rip Cord

Material	Polyester
Specification	3 × 150D

Separator

Material	PE
Specification	Translucent 2.5 × 0.3 mm

Sheath

Sheath Material	PVC
-----------------	-----

Min. Average Thickness	0.45 mm (0.02")
Sheath Diameter	5.3 mm ± 0.3 mm (0.21" ± 0.01")
Sheath Color	White, grey, blue

Electrical

Max. DC Resistance of a Single Conductor	9.5 Ω/100 m (328.08 ft)
Min. Insulation Resistance	5,000 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	≥39.30 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	≥10%

Environmental

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

Sheath Tensile Strength and Elongation at Break after Aging	≥12.5 MPa, ≥100%
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)
Security	
Verticle Flame Test	Complies with GB/T 18380.22
Packaging	
Cable Length	305.0 m ± 2 m (1,000.66 ft ± 6.56 ft)
Packaging Method	305 m (1000 ft) a carton, one carton with 2 inner cartons
Packaging Dimensions	406 mm × 404 mm × 216 mm (16.02" × 15.91" × 8.50") (L × W × H)
Transport Package Dimensions	455 mm × 435 mm × 436 mm (17.91" × 17.13" × 17.16") (L × W × H)
Net Weight	9.2 kg ± 0.6 kg (20.28 lb ± 1.32 lb)
Gross Weight	10.2 kg ± 0.6 kg (22.49lb ± 1.32 lb)
Compliance Standard	
Compliance Standard	Q/DXJ 067-2024, EN50575

Ordering Information

Type	Model	Description
Network Cable	DH-PFM920I-6UN1-N	305m UTP sCAT6 Cable

Dimensions (mm[inch])

