

CAT5CABLE-305MO

Outdoor 305 meters UTP CAT5e Cable



Key Features:

- 305.0 m (1000 ft)/carton outdoor UTP CAT5e, power over Ethernet.
- 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.

SPECIFICATIONS

Model Number	CAT5CABLE-305MO
Material	Oxygen free copper (99.97% purity)
American Wire Gauge	24AWG
Insulation	
Material	HDPE
Mim. Average Thickness	0.21 mm(0.0082")
Diameter	0.89 mm ± 0.06 mm(0.04"± 0.0023")
Colour	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±2mm*T: 0.026mm±0.02mm (W: 0.78"±0.07"*T: 0.0010"±0.0007")

Sheath

Material	MDPE
Min. Average Thickness	0.7 mm (0.03")
Diameter	5.2 mm ± 0.4 mm(0.20"± 0.0157")
Colour	Black

Electrical

Max. DC Resistance of a Single Conductor	9.5Ω/100 m
Min. Insulation Resistance	5000MΩ ·km
Max. DC Resistance Unbalance	2% (pair intra), 4% (pairs inter)
Dielectric Strenght	No breakdown with 1KV DC for 1 min

Transmission

Characteristic Impedance	100 ± 15Ω
Near End Cross Talk	≥35.30 dB/100 m@100 MHz
Max. Attenuation	22 dB/100 m@100 MHz
Return Loss	≥20.1 dB/100 m@100 MHz

Mechanical

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

Environmental

Shrinkage of Insulation	≤5%
Colour Migration Resistance of Insulation	No migration
Low Temperature Bending Test	No cracking after the test