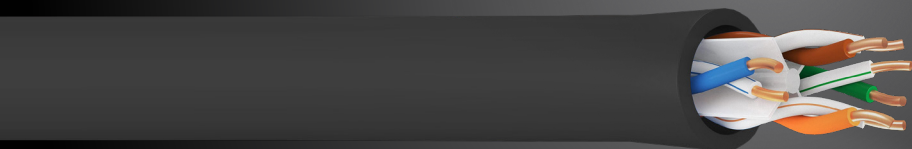




# CAT6CABLE-305MO

Outdoor 305 meters UTP CAT6 Cable



### Key Features:

- External grade
- 305m in easy pull box
- Excellent quality
- Solid core copper
- PE outer sheath (black)
- 23 AWG
- ANSI/TIA 568-c.2
- EN50575: 2014+A1: 2016
- ISO/IEC 11801
- Fca

## SPECIFICATIONS

<b>Model Number</b>	CAT6CABLE-305MO
<b>Material</b>	Solid core copper
<b>Conductor Diameter</b>	0.565 ± 0.02mm
<b>American Wire Gauge</b>	23AWG
<b>Insulation</b>	
<b>Material</b>	HDPE
<b>Mim. Average Thickness</b>	0.18mm(0.007")
<b>Diameter</b>	1.02 mm ± 0.08 mm(0.04"± 0.0031")
<b>Colour</b>	8-core, Blue, white/blue; orange, white/orange; green, white/green; brown, white/brown
<b>Rip Cord</b>	
<b>Material</b>	Polyester
<b>Specification</b>	250D

(continued)

**Wrap**

<b>Material</b>	Polyester tape(transparent)
<b>Dimension</b>	W: 18mm±2mm*T: 0.025mm±0.02mm (W: 0.71"±0.07"*T: 0.001"±0.0007")

**Sheath**

<b>Material</b>	PE
<b>Min. Average Thickness</b>	0.55±0.03mm (0.022"±0.0011")
<b>Diameter</b>	6.1 mm ± 0.3 mm(0.24"± 0.011")
<b>Colour</b>	Black
<b>Reaction to Fire</b>	FCA

**Electrical**

<b>Max. DC Resistance of a Single Conductor @20°C</b>	< 90.0Ω/Km
<b>Min. Insulation Resistance</b>	≥ 5000MΩ • km
<b>Dielectric Strenght</b>	No breakdown with 1KV DC for 1 min

**Transmission**

<b>Characteristic Impedance</b>	100 ± 15Ω
<b>Near End Cross Talk</b>	≥35.30 dB/100 m@100 MHz
<b>Return Loss</b>	≥20.1 dB/100 m@100 MHz

**Mechanical**

<b>Installation Bending Radius</b>	>8 times of outer cable diameter
<b>Conductor Elongation at Break</b>	≥15%

**Environmental**

<b>Shrinkage of Insulation</b>	≤5%
<b>Colour Migration</b>	No migration
<b>Resistance of Insulation</b>	
<b>Low Temperature Bending Test</b>	No cracking after the test
<b>Heat Shock Test</b>	No cracking after the test
<b>Operation Temperature</b>	-10°C to +60°C (14°F to 140°F)
<b>Installation Temperature</b>	-5°C to +50°C (23°F to 122°F)
<b>Storage Temperature and Humidity</b>	-10°C to +40°C (14°F to 104°F), <60% (RH)

### Packaging

**Length** 305m (1000.66 ft) ± 1.5 m (4.92 ft)

**Packaging Dimensions** 390mm × 390mm × 230mm (15.35" × 15.35" × 9.05") (L × W × H)

**Packaging Method** 305 m (1000.66 ft) a carton, one protection carton with 2 cartons inside

**Net Weight** 10kg±0.6kg (22 lb±1.32lb)

**Gross Weight** 11kg±0.6kg (24.20 lb±1.32lb)

### Executive Standard

**Executive Standard** EN50575:2014+A1:2016 EN IEC62368-1 : 2020+A11 :

2020 ISO/IEC 11801 ; ANSI/TIA 568-C.2

### Dimensions (mm/inch)

