

# CAT 6 UTP OUTDOOR GEL FILLED CABLE

108-66003

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## Overview

- Category 6 Outdoor Jelly Filled cable
- UV protected jacket prevents damage due to sunlight exposure
- Jelly Filled jacket provides moisture protection when used in an outdoor environment

## Industry Standard

- ISO/IEC11801, IEC 61156-5
- ANSI/TIA 568.2-D
- CENELEC EN 50173-1
- CENELEC EN 50288-5-1, EN 13501-6:2014
- IEC 64456-5

## Ordering Information

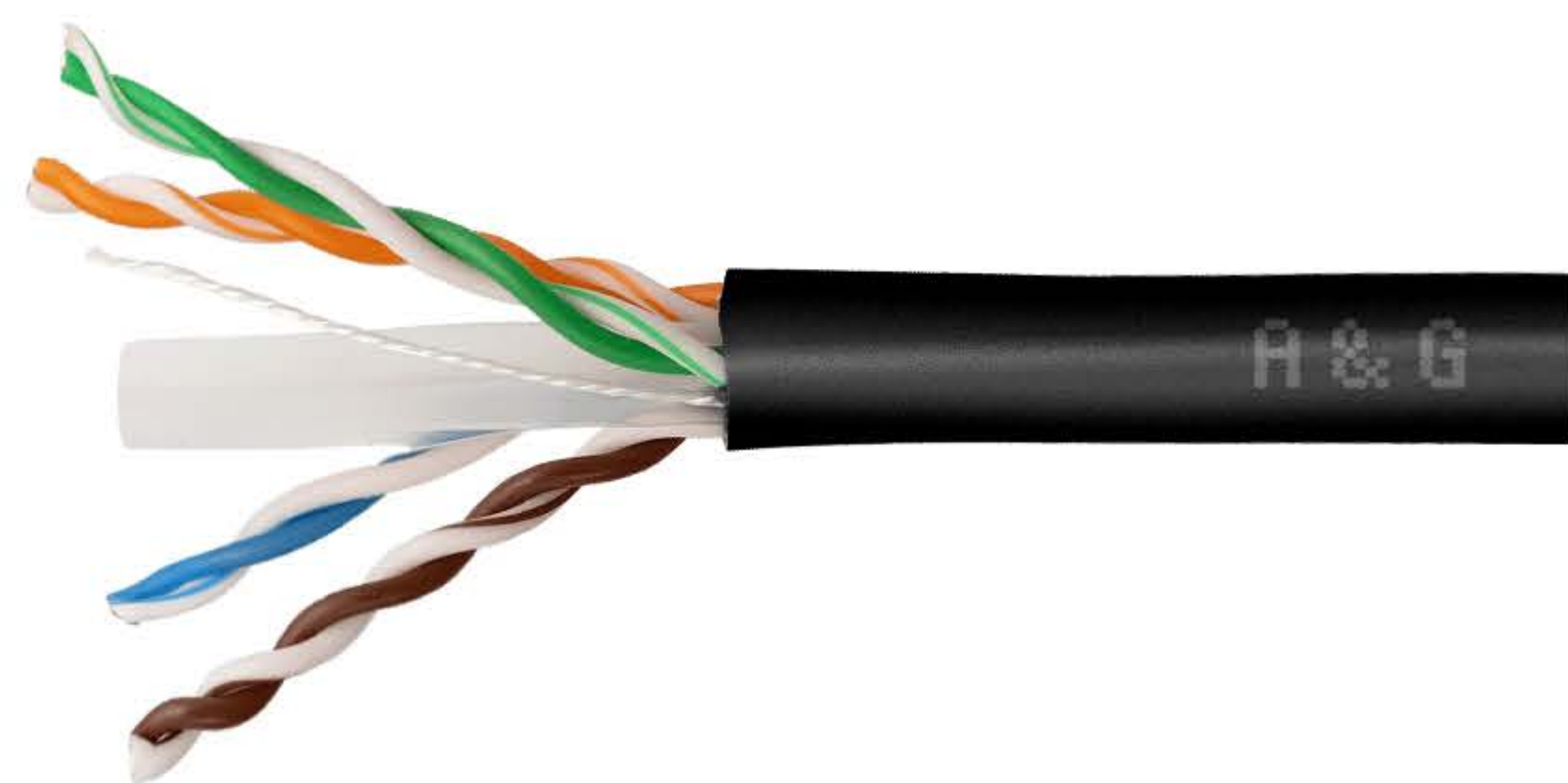
| Part Number | Description                                                     |
|-------------|-----------------------------------------------------------------|
| 108-66003   | CAT. 6 UTP OUTDOOR CABLE PE JACKET WITH JELLY FILLED-BLACK 305M |

## General Information

- Conductor Material: 24AWG Solid Annealed Copper Wire
- Insulation Material: HDPE
- Diameter of Dielectric Core: 1.03±0.05mm
- Insulation Thickness: Min AVG 0.245mm
- Core Color:
  1. Blue, White/Blue Ring
  2. Orange, White/Orange Ring
  3. Green, White/Green Ring
  4. Brown, White/Brown Ring
- Jacket Material: PE
- Jacket Thikness: 0.6mm
- Jacket Diameter: 6.6±0.2mm
- Jacket Color: Black
- Jacket Protection: Gell Filled

## Applications

- For Outdoor or Aerial Applications
- VOICE; T1; ISDN
- 10BASE-T (IEEE 802.3)
- 16Mbps Token Ring (IEEE802.5)
- 100VG- AnyLAN(IEEE802.12)
- 100BASE-T Ethernet (EEE802.3)
- 155/622Mbps 1.2/2.4Gbps ATM
- 1000Mbps Gigabit Ethernet
- Power Over Ethernet (POE)





Product Electrical Characteristics:

- Conductor Resistance: Max. 9.38Ω/100m at 20°C
- DC Resistance Unbalance: Max. 5% at 20°C
- Dielectric Strength of Insulation: DC 500V/1min.  
or AC 350V/1min.
- Insulation Resistance Test: 1500MΩKm DC 500V  
(Between Ground & Wire) at 20°C
- Impedance 1 ~ 100MHz: 100Ω±15%
- Impedance 100 ~ 250MHz: 100Ω±15%

Sheath Physical Properties:

- Before Aging-Jacket Unaged Elongation: Min 350%
- Min Bending Radius: 4xO.D (With Load), 8xO.D (Without Load)
- Max. Pulling Tension: 110N
- Installation Temperature: 0°C to +50°C
- Operating Temperature: -40°C to +60°C

Technical Performance

| Frequency (MHz) | Attenuation. (db/100m) ≥ | NEXT (dB) | PSNEXT (db) ≥ |
|-----------------|--------------------------|-----------|---------------|
| 1.0             | 2.03                     | 74.31     | 72.31         |
| 10.0            | 5.95                     | 59.31     | 57.31         |
| 16.0            | 7.55                     | 56.25     | 54.25         |
| 20.0            | 8.47                     | 54.80     | 52.80         |
| 25.0            | 9.51                     | 53.35     | 51.35         |
| 31.25           | 10.67                    | 51.89     | 49.89         |
| 62.5            | 15.38                    | 47.38     | 45.38         |
| 100             | 19.80                    | 44.31     | 42.31         |
| 200             | 28.98                    | 39.80     | 37.80         |
| 250             | 32.85                    | 38.35     | 36.35         |