



# 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 2nd Edition CLASS E
- ANSI/TIA 568-C.2 Cabling Standard
- CENELEC EN 50173-1
- CENELEC EN 50288-5-1
- IEC 64456-5 for Horizontal Cable

## Ordering Information

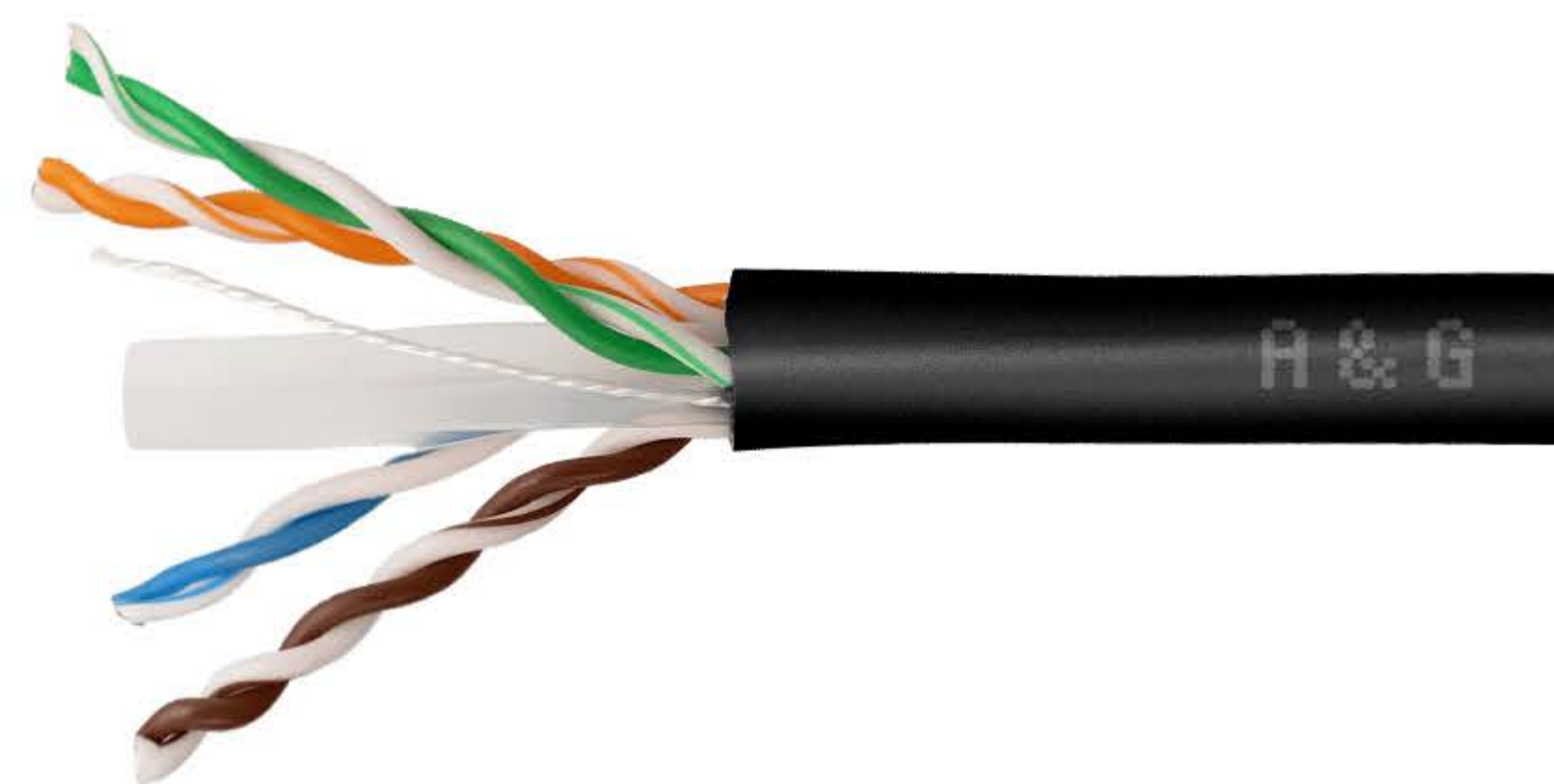
Part Number	Description
108-66003	CAT. 6 UTP OUTDOOR CABLE PE JACKET WITH JELLY FILLED-BLACK 305M

## General Information

- Conductor Material: 24AWG Solid Annealed Copper Wire
- Insulation Material: HDPE
- Diameter of Dielectric Core:  $1.03 \pm 0.05$ mm
- 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 Thickness: 0.6mm
- Jacket Diameter:  $6.6 \pm 0.2$ mm
- 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 (IEEE802.3)
- 155/622Mbps 1.2/2.4Gbps ATM
- 1000Mbps Gigabit Ethernet
- Power Over Ethernet (POE)



# PRODUCT TECHNICAL SPECIFICATION | CAT 6 UTP OUTDOOR GEL FILLED CABLE

## 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-25mm
- Max. Pilling Tension-25lb
- Installation Temperature: 0°C to +50°C
- Operating Temperature: -20°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

### HEADQUARTERS



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### CONNECT THE FUTURE



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