



# CAT 5e UTP OUTDOOR CABLE

108-56003

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## Overview

- Category: CAT 5e UTP Outdoor Cable
- Sheath Printing: Not specified
- Suitable for various network protocols including Ethernet, ATM, VOICE, T1, ISDN, and more.

## Industry Standard

- ISO/IEC11801 2nd edition
- ANSI/TIA/EIA Cabling Standard TIA/EIA-568-B.2
- CENELEC EN 50173

## Applications

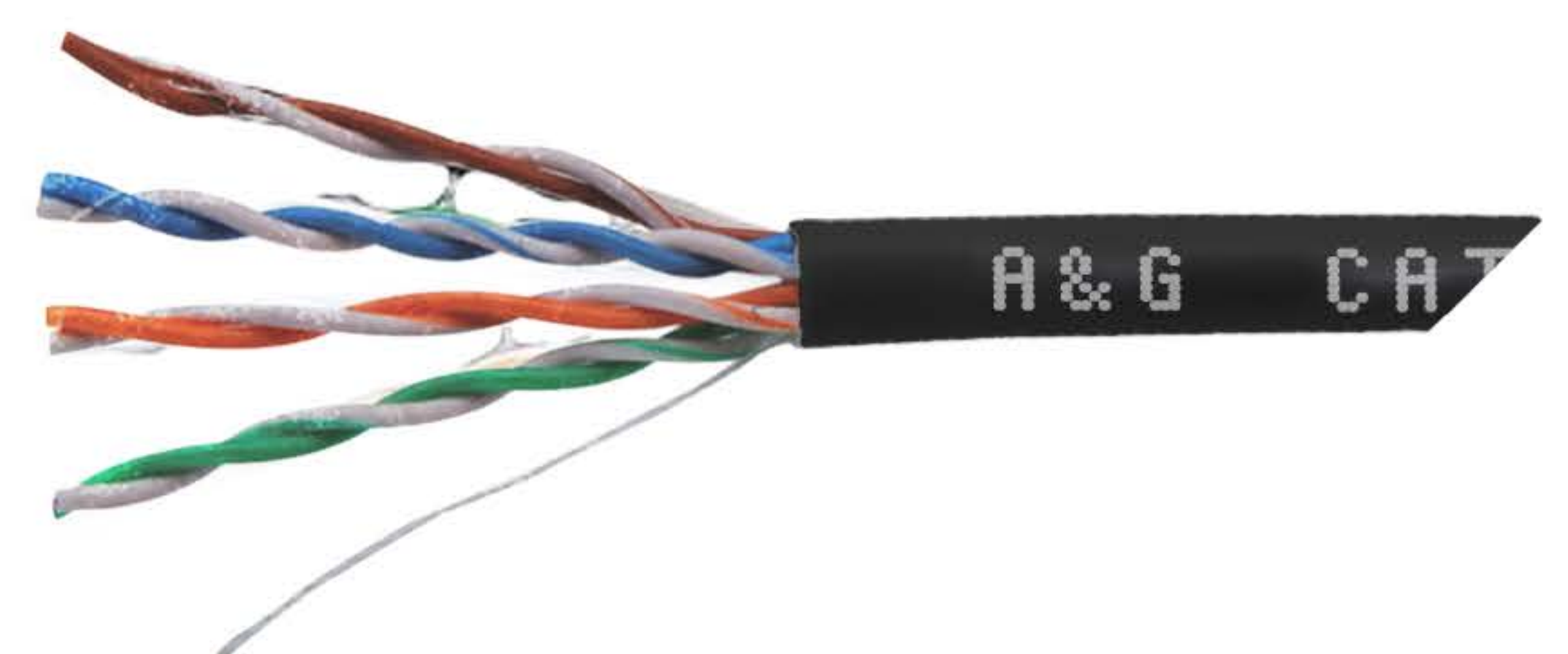
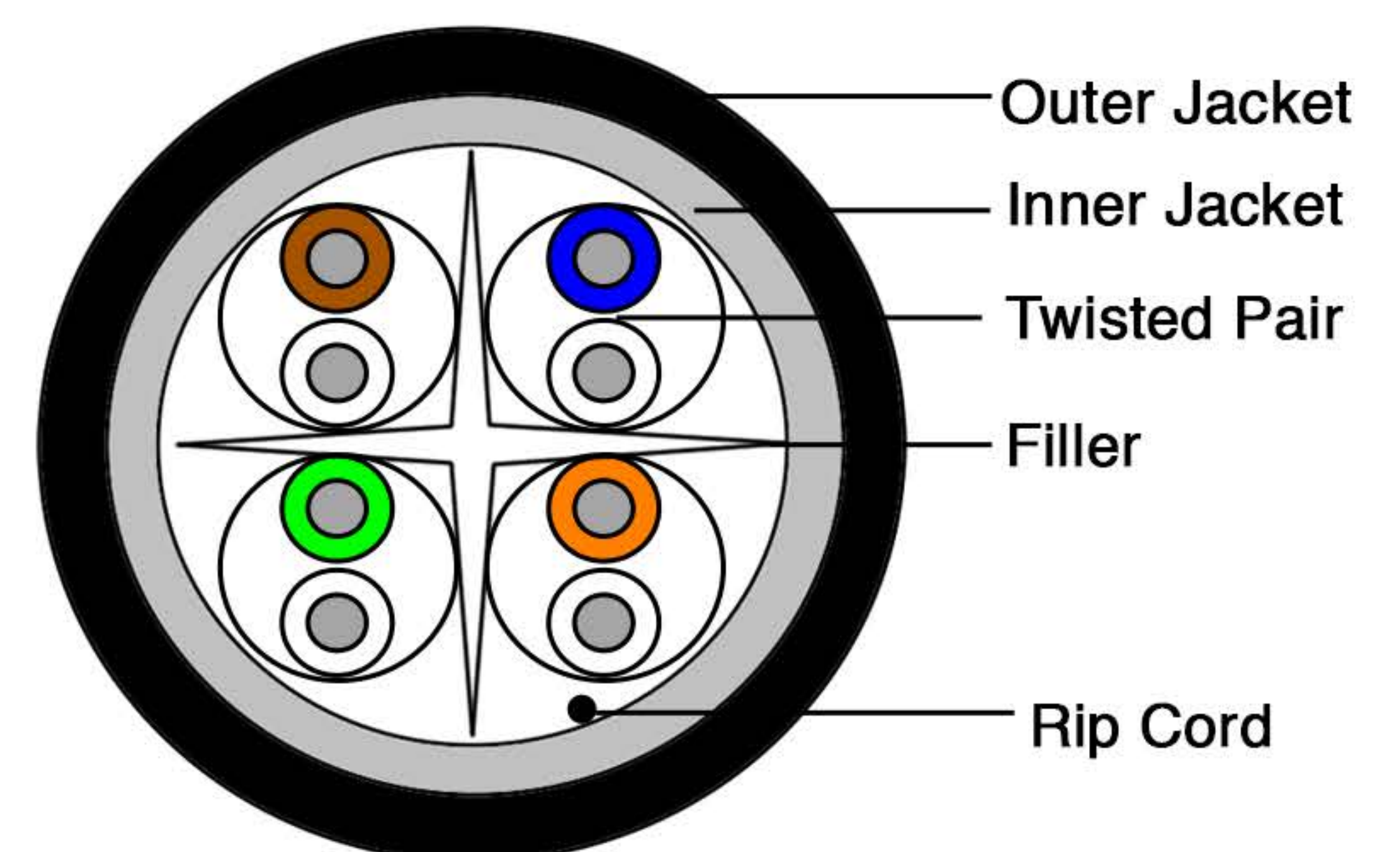
- For Outdoor Above-Ground,
- Aerial Conduit Duct Applications
- VOICE; T1; ISDN
- 10BASE-T (IEEE 802.3)
- 16MBPS Token Ring (IEEE802.5)
- 100VG- Any LAN(IEEE802.12)
- 100BASE-T Ethernet (IEEE802.3)
- 155/622Mbps ATM
- 1000Mbps Gigabit Ethernet
- 550Mbps Broadband Video

## Ordering Information

Part Number	Description
108-56003	CAT 5e UTP Outdoor Cable PE Jacket With Jelly Filled-Black 305m Roll

## General Information

- Conductor: 24AWG Solid Annealed Copper Wire
- Insulation Material: HDPE
- Diameter of Dielectric Core: 1.03±0.05mm
- Insulation Thickness: Min AVG 0.245mm
- Assembly: 4 Pairs of Dielectric Core Arranged According to The Structure Figure
- Water Blocking Compound: Gel Filled
- Jacket Material: PE
- Thickness of Jacket: AVG 0.6mm
- Nominal Outer Diameter: APPROX. 6.0mm
- Twisted Pair Color Code:
  1. Blue, White/Blue Ring
  2. Orange, White/Orange Ring
  3. Green, White/Green Ring
  4. Brown, White/Brown Ring
- Packing Information: Roll Length: 305m, Color: Black





# PRODUCT TECHNICAL SPECIFICATION | CAT 5e UTP OUTDOOR CABLE

## Product Electrical Characteristics:

- Impedance: 100 Ohm  $\pm$ 15%
- D.C.R. (Max): 93.8 Ohm/100m at 20°C <24AWG>
- D.C.R. Unbalance (Max): 5% Max/100m
- Temperature Rating: -40°C TO 80°C
- Dielectric Strength: DC 500V/1min OR AC 350V/1min (Between Wire & Ground)
- Insulation Resistance: 1500MOhm-Km DC 500V (Between Wire & Ground)

## Sheath Physical Properties:

- Sheath Material: PE (Polyethylene)
- Sheath Thickness: AVG 0.6mm
- Installation Temperature: 0°C to +50°C
- Operating Temperature: -20°C to +60°C

## Technical Performance

Frequency (MHz)	RL ( $\geq$ dB)	Attenuation ( $\leq$ dB)	NEXT ( $\geq$ dB)
0.772	-	1.8	67.0
1.0	23.0	2.0	60.0
4.0	23.0	4.1	54.8
8.0	23.0	5.8	50.0
10.0	23.0	6.5	48.5
16.0	23.0	8.2	45.2
20.0	23.0	9.3	43.7
25.0	22.0	10.4	42.1
31.25	11.0	11.7	40.5
62.5	18.0	17	35.7
100	16.0	22	35.3

### HEADQUARTERS



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