

# CAT6A CABLE

## UTP CMP (PLENUM-RATED)



### SKU: 065-700 SERIES

#### Technical Data

Rated Temperature	75° C
Rated Voltage	30 V
Product Standard Certification	CMP (Plenum)
NVP	69%

#### Conductor

Size	Solid Bare Copper
Outer Diameter	23 AWG
Separator	0.023 in. (0.585 mm ±0.006)
Separator	Yes

#### Insulation

Outer Diameter	FEP
Outer Diameter	0.04 in. (1.0 mm ±0.05)

#### Jacket

Wall Thickness	Plenum PVC
Outer Diameter	0.0157 in. Nom. (0.4 mm)
Rip Cord	0.236 in. ±0.008 (6 mm ±0.2)
Rip Cord	Yes (Kevlar)

#### Color of Pairs

Pair 1	Brown, White-Brown
Pair 2	Blue, White-Blue
Pair 3	Orange, White-Orange
Pair 4	Green, White-Green

#### Product Certifications

NEC Article 800, ANSI/TIA-568-2.D Category 6A, 11801:2002 Category 6A, UL 910:CMP Rating, RoHS Compliant

CAT6A applications including:

Ethernet 10 Gigabit, 100BASETX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU Digital Audio, AES51, RS-422

#### Marking on Jacket

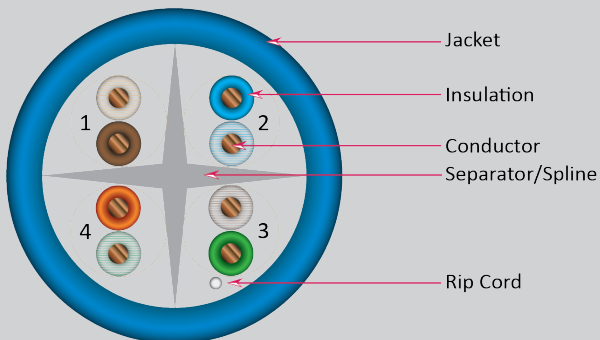
4PR 23AWG SOLID CAT6A AUGMENTED 10GS UTP CMP FT6  
75C 5011596(ETL) C(ETL) ---ETL-VERIFIED TO ANSI/TIA-568-2.D  
11/29/2022 ROHS COMPLIANT XXXXFT

## DESCRIPTION

**CAT6A UTP CMP (Plenum-Rated)  
23 AWG Solid Bare Copper**

## FEATURES

- Unshielded Twisted Pair (UTP) Construction
- Plenum Fire Safety Rating (CMP)
- 23 AWG Solid Bare Copper Conductors
- High-Performance Data Cable
- Suitable for 10GS High-Speed Applications
- Meets or exceeds ANSI/TIA-568-2.D
- ETL-Listed, RoHS Compliant
- Supplied in 1000 ft Wooden Spool (Dimensions: 15 inches x 8.5 inches)
- Weight: 36.4 lbs



**VERTICAL CABLE**

951.696.7772 California  
800.749.2447 Florida  
845.391.8318 New York



[www.verticalcable.com](http://www.verticalcable.com)

Rev. 02/2023

Specs subject to change without notice.

It is the sole responsibility of the user to have the most current specs.

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## UTP CMP (PLENUM-RATED)

### PERFORMANCE

#### Electrical Properties

Max. Mutual Capacitance	5.6nF/100m Nom.
Max. Resistance Unbalance	≤5%
Max. D.C. Resistance	9.38 Ω/100m Nom.
Characteristic Impedance	1-100 MHz, 100 ±15%; 101-250 MHz, 100 ±22%; 250-500 MHz, 100 ±25%
Velocity of Propagation	≥65%

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	ACRF (dB/)	PS.NEXT (dB)	PS.ACRF (dB)	RL (dB)	Delay (ns/100m)	Skew (ns/100m)
1	2.1	74.3	67.8	72.3	64.8	20.0	570	45
4	3.8	65.3	55.8	63.3	52.8	23.0	552	
8	5.3	60.8	49.7	58.8	46.7	24.5	547	
10	5.9	59.3	47.8	57.3	44.8	25.0	545	
16	7.5	56.2	43.7	54.2	40.7	25.0	543	
20	8.4	54.8	41.8	52.8	38.8	25.0	542	
25	9.4	53.3	39.8	51.3	36.8	24.3	541	
31.25	10.5	51.9	37.9	49.9	34.9	23.6	540	
62.5	15.0	47.4	31.9	45.4	28.9	21.5	539	
100	19.1	44.3	27.8	42.3	24.8	20.1	538	
200	27.6	39.8	21.8	37.8	18.8	18.0	537	
250	31.1	38.3	19.8	36.3	16.8	17.3	536	
300	34.3	37.1	18.3	35.1	15.3	16.8	536	
400	40.1	35.3	15.8	33.3	12.8	15.9	536	
500	45.3	33.8	13.8	31.8	10.8	15.2	536	

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