



VERTICAL CABLE

CAT6A CMP CABLE

UTP (UNSHIELDED) | PLENUM-RATED

065-700 SERIES

DESCRIPTION

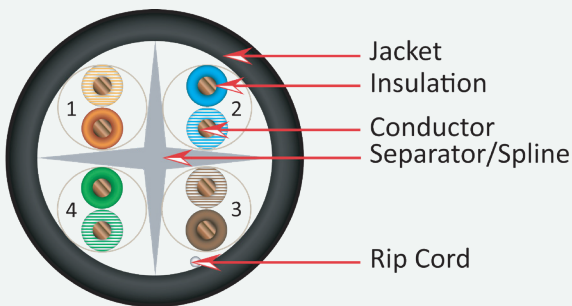
CAT6A, PoE Type 4, 23 AWG UTP (Unshielded), CMP (Plenum-Rated) Solid Bare Copper, 750 MHz, 1000 ft.

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
- Supports PoE (Type 4) IEEE 802.3bt (up to 100W)
- ETL-Listed, RoHS Compliant
- Supplied in 1000 ft. Wooden Spool (5 in. x 8.5 in.)
- Weight: 40.5 lbs (18.4 kg)

Compatible with VC RJ45 plugs

012-021-100 | 012-024/10G
012-025/EZF-100 | 012-026/EZF-100



PART NUMBERS	
065-700/A/P/BK ● (Black)	065-704/A/P/OR ● (Orange)
065-701/A/P/BL ● (Blue)	065-705/A/P/PR ● (Purple)
065-702/A/P/GR ● (Green)	065-707/A/P/WH ○ (White)
065-703/A/P/GY ● (Gray)	

CONSTRUCTION

Separator: Yes, LSZH CROSSWEB
Ripcord: Yes, Kevlar

CONDUCTORS

Size: Solid Bare Copper
23 AWG

INSULATION

Outside Diameter: FEP
0.040 in. (1.01 mm)
Color Coding: Pair 1: Blue/White-Blue Pair 2: Orange/White-Orange
Pair 3: Green/White-Green Pair 4: Brown/White-Brown

JACKET

Nominal Thickness: Plenum PVC
0.02 in (0.40 mm)
Outer Diameter: 0.24 in (6.10 mm)
Marking: 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



Florida (HQ)
800-749-2447

California
951-696-7772

New York
845-391-8318

Texas
713-322-7242

verticalcable.com

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RoHS



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Rev. 07/2026

ELECTRICAL CHARACTERISTICS

Temperature Rating:	75°C
Voltage Rating:	300 V _{RMS}
Capacitance:	5.6nF/100m .Nom
Characteristic Impedance:	1.0-100 MHz Impedance, 100±15% 101-250 MHz Impedance, 100±22% 251-500 MHz Impedance, 100±25%
Velocity of Propagation:	≥67%
DCR Conductor:	9.38 Ohms/100m .Nom
DC Resistance Unbalance:	≤5%≤

Frequency (Mhz)	Attenuation (dB/100m)	NEXT (dB)	ACRF (dB/)	PS.NEXT (dB)	PS.ACRF (dB)	RL (dB)	Delay (ns/100m)	Skew (ns/100)
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	
550	47.7	33.2	13.0	31.2	10.0	14.9	536	
600	50.1	32.6	12.2	30.6	9.2	14.7	535	
650	52.3	32.1	11.5	30.1	8.5	14.4	535	
750	56.7	31.2	10.3	29.2	7.3	14.0	535	

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