

CAT6A PLENUM UTP CABLE

UL-LISTED



DESCRIPTION

CAT6A, PoE+, 23 AWG, 4 Pair, 550 MHz, UTP, CMP - UL, TAA-Compliant

FEATURES

- Meets or exceeds ANSI/TIA-568.2-D
- 15W PoE (IEEE 802.3af)
- 30W PoE+ (IEEE 802.3at Type 2)
- Supports IEEE 802.3 technologies up to 10 Gb/s (802.3an 10 GBASE-T)
- 4-Pair unshielded (UTP) construction
- 23-AWG insulated bare solid copper conductors
- Plenum-Rated (CMP) insulation and overall jacket materials
- Central spline and internally-ribbed jacket ensure excellent X-talk performance
- Supplied in 1000 ft Wooden Spool



065-300s SERIES

Part Number:	Description:
065-307/A/P/RD	CAT6A, PoE+, 23 AWG, 4 Pair, 550 MHz, UTP, CMP, 1000 ft, Red
065-308/A/P/WH	CAT6A, PoE+, 23 AWG, 4 Pair, 550 MHz, UTP, CMP, 1000 ft, White

TECHNICAL DATA

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

CONDUCTORS

Insulation:	FEP
Size:	23 AWG
Separator:	Yes

JACKET

Outer Diameter:	0.26 in. (6.6 mm ±0.10)
Rip Cord:	Yes

COLOR OF PAIRS

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

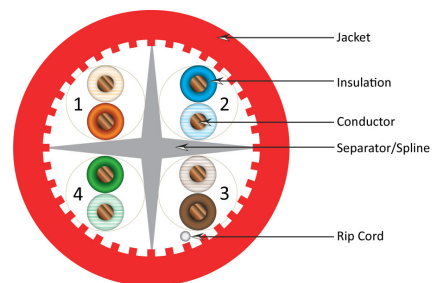
PRODUCT CERTIFICATIONS

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

Supports all 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

Vertical Cable E191267 (UL)c(UL) CMP FT6 75C 23 AWG 4PR - Cat6A ANSI/TIA 568-C.2 ROHS COMPLIANT XXXXFT



VERTICAL CABLE

951.696.7772 California
800.749.2447 Florida
845.391.8318 New York
713.322.7242 Texas

verticalcable.com

Rev. 08/2025

Subject to change without notice.

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PERFORMANCE

ELECTRICAL PROPERTIES

Max. Mutual Capacitance:

5.6nF/100m

Max. Resistance Unbalance:

5%

Max. Capacitance Inbalance:

330 pF/100m

Max. D.C. Resistance:

9.38 Ω /100m

Frequency MHz	Attenuation $\leq$ dB	Return Loss $\geq$ dB	NEXT $\geq$ dB	P.S NEXT $\geq$ dB	ELNEXT $\geq$ dB	P.S Elnext $\geq$ dB
1	3.0	19.1	65.0	62.0	64.2	61.2
4	3.5	21.0	64.1	61.8	52.1	49.1
8	5.0	21.0	59.4	57.0	46.1	43.1
10	5.5	21.0	57.8	55.5	44.2	41.2
16	7.0	20.0	54.6	52.2	40.1	37.1
20	7.9	19.5	53.1	50.7	38.2	35.2
25	8.9	19.0	51.5	49.1	36.2	33.2
31.25	10.0	18.5	50.0	47.5	34.3	31.3
62.5	14.4	16.0	45.1	42.7	28.3	25.3
100	18.6	14.0	41.8	39.3	24.2	21.2
200	27.4	11.0	36.9	34.3	18.2	15.2
250	31.1	10.0	35.3	32.7	16.2	13.2
400	38.4	8.0	29.9	27.1	12.1	9.1
500	43.8	8.0	26.7	23.8	10.2	7.2

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