

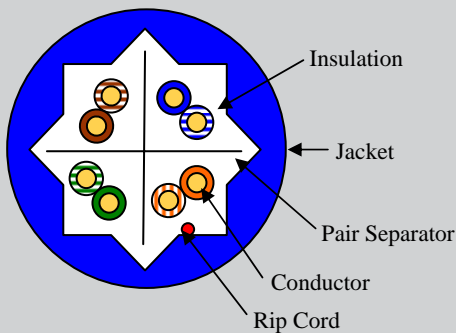
CAT6 AUGMENTED CABLE UTP PLENUM (CMP)



Description

Standards/Listings

Applications



Jacket Color Available in Blue and White

SKU: 065-SERIES

23AWG Plenum, unshielded four twisted pairs, Category 6A Horizontal Cable Tested to 500 MHz.

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

Supports all category 6A applications including Ethernet 10 Gigabit, 100BASETX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU Digital Audio, AES51, RS-422.

CONSTRUCTION

Conductor:	23 AWG Solid Bare Copper
Number of Conductors or Pairs:	4 Pair
Jacket Material:	Low-smoke Flame Retardant Plenum Polymer
Nominal Overall Cable Diameter:	0.330 in.
Approximate Cable Weight:	46 lb/1,000 ft.

ELECTRICAL & PHYSICAL PROPERTIES

Temperature Rating:	Installation: 0°C to 50°C Operation: -2°C to 60°C
Velocity of Propagation:	72%
Mutual Capacitance:	14 pF/ft Nominal
Capacitance Unbalance:	330 pF/ft maximum
Maximum Conductor D.C.R.:	28.6Ω /1,000 ft
Maximum D.C.R. Unbalance:	3%
Maximum Delay Skew:	45ns/100m
Characteristic Impedance:	From 0.772 MHz - 100 MHz 100 ± 15% From 100 MHz - 200 MHz 100 ± 22% From 200 MHz - 500 MHz 100 ± 32%
Minimum bend radius:	1.250 in.
Insulation Colors:	Blue paired with White/Blue Orange paired with White/Orange Brown paired with White/Brown Green paired with White/Green

VERTICAL CABLE

954 454-3554 Florida Office
951 696-7772 California Office



www.verticalcable.com

Rev. 09/2010

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Surface Print:

Footage Marking:

Each coil shall be footage marked starting with one thousand ending with zero in two foot increments.

ELECTRICAL CHARACTERISTICS

Frequency MHz	Return Loss	Insertion Loss	NEXT	PS-NEXT	ACRF	PS-ACRF	Prop. Delay	Alien Crosstalk	
	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	PS ANEXT	PS AACRF
	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum	Maximum	Minimum	Minimum
1	20.0	2.0	74.3	72.3	67.8	64.8	570.0	67.0	67.0
4	23.0	3.8	65.3	63.3	52.8	52.8	552.0	67.0	66.2
8	24.5	5.3	60.8	58.8	46.7	46.7	546.7	67.0	60.1
10	25.0	5.9	59.3	57.3	44.8	44.8	545.4	67.0	58.2
16	25.0	7.4	56.2	54.2	40.7	40.7	543.0	67.0	54.1
20	25.0	8.3	54.8	52.8	38.8	38.8	542.0	67.0	52.2
25	24.3	9.3	53.3	51.3	36.8	36.8	541.2	67.0	50.2
31.25	23.6	10.5	51.9	49.9	34.9	34.9	540.4	67.0	48.3
62.5	21.5	14.9	57.4	45.4	28.9	28.9	538.6	65.6	42.3
100	20.1	19.1	44.3	42.3	24.8	24.8	537.6	62.5	38.2
155	18.8	24.0	41.4	39.4	21.0	21.0	536.9	59.6	34.4
200	18.0	27.5	39.8	37.8	18.8	18.8	536.5	58.0	32.2
250	17.3	31.0	38.3	36.3	16.8	16.8	536.3	56.5	30.2
300	16.8	34.2	37.1	35.1	15.3	15.3	536.1	55.3	28.7
350	16.3	37.2	36.1	34.1	13.9	13.9	535.9	54.3	27.3
400	15.9	40.0	35.3	33.3	12.8	12.8	535.8	53.5	26.2
500	15.2	45.2	33.8	31.8	10.8	10.8	535.6	52.0	24.2

MADE IN USA

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