



PRODUCT SPECIFICATIONS

**CONVERGENT
CONNECTIVITY
TECHNOLOGY**

CAT6AP4

Description:

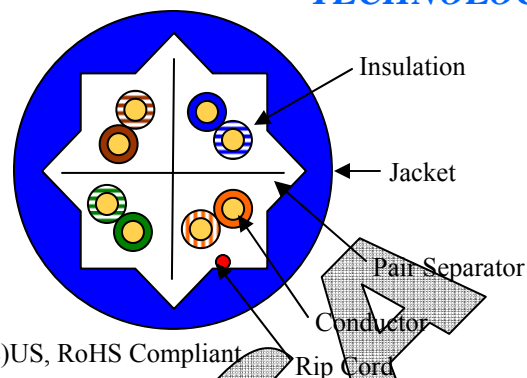
23AWG Plenum, unshielded four twisted pairs,
Category 6A Horizontal Cable Tested to 500 MHz.

Ratings/Approvals:

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

Applications:

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

Issue Date: April '10 Revision: 3

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RoHS





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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

Purchase at

LANshack

Sales@LANshack.com | 888-568-1230

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