



PRODUCT SPECIFICATIONS

CONVERGENT
CONNECTIVITY
TECHNOLOGY

CAT6ASNP4

Description: 23AWG Non-plenum, shielded four twisted pairs, Category 6A Horizontal Cable Tested to 500 MHz.

Ratings/Approvals: NEC Article 800, UL 444 Type CMR Rating FT4, C(ETL)US, RoHs Compliant

Applications: Supports all category 6A applications including Ethernet 10 Gigabit, 100BASE-TX, 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

Construction: 4 Pairs cabled around a pair separator (spline)

Tape: Clear Mylar Tape

Drain: Solid Tin Copper

Shield: Aluminum/Polyester Tape (100% Coverage)

Jacket Material: Polyvinyl Chloride

Nominal Overall Cable Diameter: 0.290 in. (8.255 mm)

Approximate Cable Weight: 52 lb/1,000 ft.

ELECTRICAL & PHYSICAL PROPERTIES

Temperature Rating: Installation: 0°C to 50°C
Operation: -2°C to 60°C

Velocity of Propagation: 70%

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: 5%

Maximum Delay Skew: 45 ns/100m

Characteristic Impedance: From 0.772 MHz - 100 MHz 100 ± 15%
From 100 MHz - 250 MHz 100 ± 22%
From 251 MHz - 500 MHz 100 ± 32%

Insulation Colors: Blue paired with White/Blue
Orange paired with White/Orange
Green paired with White/Green
Brown paired with White/Brown



Issue Date: March '16 Revision: 2

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Page 1 of 2

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ELECTRICAL CHARACTERISTICS

Frequency MHz	Return Loss (dB/100m) Minimum	Insertion Loss (dB/100m) Maximum	NEXT (dB/100m) Minimum	PS-NEXT (dB/100m) Minimum	ACRF (dB/100m) Minimum	PS-ACRF (dB/100m) Minimum	Prop. Delay (dB/100m) Maximum	Alien Crosstalk	
								PS ANEXT (dB/100m) Minimum	PS AACRF (dB/100m) Minimum
								1	20.0
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

Note: While Convergent Connectivity Technology has made every reasonable effort to ensure the accuracy of the information in this document, Convergent Connectivity Technology does not guarantee that it is error-free, nor does Convergent Connectivity Technology make any other representation, warranty, or guarantee that the information is accurate, correct, reliable or current. Convergent Connectivity Technology reserves the right to make any adjustments to the information contained herein at any time without notice. Convergent Connectivity Technology expressly disclaims all implied warranties regarding the information contained herein, including but not limited to, any implied warranties of merchantability or fitness for particular purpose. The dimensions in this document are for reference purposes only and are subject to change without notice.

Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order; this item may be non-cancelable and non-returnable.

Signature: _____

Company: _____

Date: _____

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