



PRODUCT SPECIFICATIONS

**CONVERGENT
CONNECTIVITY
TECHNOLOGY**

CAT6ASP4

Description:	23AWG Plenum four twisted pairs, shielded, Category 6A Horizontal Cable Tested to 500 MHz
Standards:	ANSI/TIA/EIA 568C.2 Category 6A, 11801:2002 Category 6A
Ratings/Approvals:	NEC Article 800, UL 444 Type CMP Rating FT6, C(ETL)US, RoHs Compliant
Applications:	Supports all category 6A applications including Ethernet 10 Gigabit, 100BASETX, 10GBASE-T, 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:	Flame Retardant Polyvinyl Chloride
Nominal Overall Cable Diameter:	0.290 in. (7.747 mm)
Approximate Cable Weight:	49 lb/1,000 ft.
Surface Print:	DATAMEG-10G® XXXXXXXX* CAT6A (AUGMENTED) 10GIG 4STP 23AWG C(ETL)US CMP FT6 + Sequential Footage Marking

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:	5%
Maximum Delay Skew:	45 ns/100m
Characteristic Impedance:	From 0.772 MHz - 100 MHz 100 ± 15% From 101 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

*XXXXXXXX Represents ETL Control Number

Issue Date: March '15 Revision: 4

THE STRONGEST LINK IN YOUR SUPPLY CHAIN

RoHS





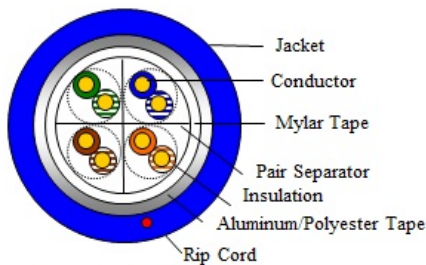
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ELECTRICAL CHARACTERISTICS

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



*Drawing Not To Scale

Issue Date: March '16 Revision: 4

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