

CAT6 HIGH GRADE CABLE UTP PLENUM (CMP)



Description

Standards/Listings

Applications



Adjustable Pulling Tension
Reel Box

Jacket Color Available in
Black, Blue, Gray, Green,
Red, White, Yellow

SKU: 067-SERIES

23AWG Plenum, unshielded four twisted pairs, Category 6 Horizontal.

NEC Article 800, UL 910: CMP FT6, ETL Electrically Verified to
ANSI/TIA/EIA 568C.2 Category 6, C(ETL)US

Supports all category 6 applications including Ethernet 100BASE-TX, 100BASE-VG
and 155 ATM. Particularly suited for high bandwidth applications such as 622 ATM.
Wideband Ethernet 1000BASE-T and emerging applications with anticipated data
rates to 3.2 Gbps.

CONSTRUCTION

Conductor:	23 AWG Solid Bare Copper
Number of Conductors or Pairs:	4 Pair
Jacket Material:	Flame Retardent Polyvinyl Chloride
Nominal Overall Cable Diameter:	0.240 inch
Approximate Cable Weight:	30 lb/1,000 ft.

ELECTRICAL & PHYSICAL PROPERTIES

Temperature Rating:	Installation: 0°C to 50°C Operation: -10°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:	45.0ns/100m
Maximum Propagation Delay Skew:	5.7ns/100m
Characteristic Impedance:	From 0.772 MHz — 100 MHz 100 ± 15% From 101 MHz — 250 MHz 100 ± 22%

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

954 454-3554 Florida Office

951 696-7772 California Office

www.verticalcable.com

Rev. 08/2010

Subject to change without notice.

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Surface Print: VERTICAL ETL VERIFIED CAT6 TO TIA-568C.2 3147706 CMP 23AWG
UTP C(ETL)US FT6 MADE IN USA V1574 ROHS + Footage Marking

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

ELECTRICAL CHARACTERISTICS

Frequency	Return Loss	Insertion Loss	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	ACR	PS-ACR
MHz	dB(100M)	dB(100M)	dB(100M)	dB(100M)	dB(100M)	dB(100M)	dB(100M)	dB(100M)
	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum	Minimum	Minimum
1	20.0 2	.0 8	0.3	78.3 7	3.8	70.8 7	8.3	76.3
4	23.0 3	.8 7	1.3	69.3 6	1.8	58.8 6	7.5	65.5
10 2	5.0	6.0	65.3 6	3.3	53.8 5	0.8	59.3	57.3
16 2	5.0	7.6	62.2 6	0.2	49.7 4	6.7	54.6	52.6
20 2	5.0	8.5	60.8 5	8.8	47.8 4	4.8	52.3	50.3
31.25	23.6 1	0.7	57.9 5	5.9	43.9 4	0.9	47.2	45.2
62.5 2	1.5	15.4 5	3.4	51.4 3	7.9	34.9 3	8.0	36.0
100	20.1 1	9.8	50.3 4	8.3	33.8 3	0.8	30.5	28.5
200	18.0 2	9.0	45.8 4	3.8	27.8 2	4.8	16.8	14.9
250	17.3 3	2.8	44.3 4	2.3	25.8 2	2.8	11.5	9.5

MADE IN USA

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