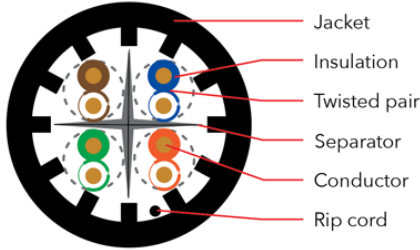


# CAT 6A UTP 10G CABLE 23/4 (CMX) UV RATED OUTDOOR



### Cable Detail



### Applicable Standards

- C(ETL) listed
- C(ETL)US Verified to TIA-568-C.2
- ROHS Compliant



### Physical Characteristics

Conductor Material	Solid Bare Copper
Number of Conductors	4
AWG	23 AWG
Stranding	Solid
Insulation Material	HDPE
Overall Diameter	0.041 in
Jacket Material	UV PVC
Average Thickness	0.24 mm
Min. Point Thickness	0.22 mm.
Twisted Pair Diameter	2.24 (± 0.02 mm).
Nominal Weight	42 lbs.
Shielding (Y/N)	No
Ripcord (Y/N)	Yes
Separator (Y/N)	Yes

### Mechanical Characteristics

Temperature Range	Installation	0°C to + 75°C
	Operating	-20°C to + 75°C
Tensile Strength	Before	>= 13.8 Mpa
Elongation	Aging	>= 100%
		100°C x 168 hours
	After	>= 85% of unaged
Aging Condition	Aging	>= 50% of unaged

### Insulation Colors

Pair 1	White / Blue	Blue
Pair 2	White / Orange	Orange
Pair 3	White / Green	Green
Pair 4	White / Brown	Brown

Part Numbers	Jacket Color	Package
<b>6A04CMXBK2</b>	Black	1000FT / Reel

### Electrical Characteristics

DC Resistance	9.38 Ω / 100m Max. @ 20°C
Resistance Unbalanced	5% Max. @ 20°C
Capacitance Unbalance	330 pF / 100m Max. @ 20°C
Mutual Capacitance	5.6 nF / 100m Max. @ 20°C
Delay Skew	45 nS / 100m Max. @ 20°C
Nominal of Propagation	69%

### Electrical Performance

Frequency (MHz)	Attenuation (dB/100m) Max.	Return loss (dB) Min.	NEXT (dB) Min.	PS-NEXT (dB) Min.
1	2.1	20.0	75.3	72.3
4	3.8	23.0	66.3	63.3
8	5.3	24.5	61.8	58.8
10	5.9	25.0	60.3	57.3
16	7.5	25.0	57.2	54.2
20	8.4	25.0	55.8	52.8
25	9.4	25.0	54.3	51.3
31.25	10.5	25.0	52.9	49.9
62.5	15.0	24.3	48.4	45.4
100	15.0	23.6	45.3	42.3
200	19.1	20.1	40.8	37.8
250	27.6	18.0	38.1	36.6
300	31.1	15.6	39.3	35.1
400	34.3	16.8	38.1	31.5
500	40.1	15.2	34.8	31.5

Frequency (MHz)	ELFEXT (dB/100m) Min.	PS-ELFEXT (dB) Min.	PS-ANEXT (dB/100m)	PS-AELFEXT (dB/100m)
1	68.0	65.0	67.0	67.0
4	56.0	53.0	67.0	66.2
8	49.9	46.9	67.0	60.1
10	48.0	45.0	67.0	56.2
16	43.9	40.9	67.0	54.1
20	42.0	40.9	67.0	52.2
25	40.0	39.0	67.0	50.2
31.25	38.1	37.0	67.0	48.3
62.5	32.1	35.1	65.6	42.3
100	32.1	29.1	62.5	38.2
200	28.0	25.0	58.0	32.2
250	22.0	19.0	56.5	30.2
300	20.0	17.0	55.3	28.7
400	18.5	15.5	53.5	26.2
500	14.0	11.0	52.0	24.2

\* Values above provided are for information only.

### Cable Marking

XXXXXX CATEGORY 6A 10G 23AWG 4PR UTP CMX UV RATED  
OUTDOOR C(ETL)US VERIFIED (ETL) ANSI/TIA-568-C.2 \*\*\*\*FT

