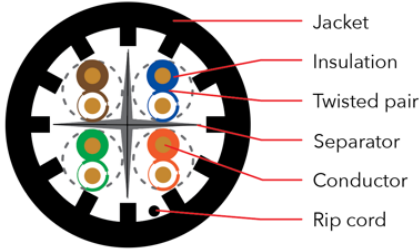


CAT 6A UTP 10G CABLE 23/4 (CMX) UV RATED OUTDOOR



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	0.270 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
Aging Condition	After	>= 85% of unaged
	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
6A04CMXBK2	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
625	51.2	14.5	32.4	30.4
750	56.7	14.0	31.2	29.2

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	45.00	67.0	58.2
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
625	-	-	-	-
750	-	-	-	-

* 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

