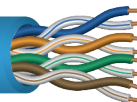


# PART NUMBER 556609A

C(ETL)US CMP

PAGE 1

■ 0275/0725 FT • A B C D E 0 1 2 3 4 5 6 7 8 9 UTP 4/23 C(ETL)US CMP CAT6A 5013896 WINDY CITY WIRE MADE IN USA



## CABLE SPECIFICATIONS

<b>DESCRIPTION</b>	ANSI/TIA/EIA-568 CATEGORY 6A, NON-SHIELED
<b>CONDUCTOR</b>	23 AWG SOLID BARE COPPER
<b>INSULATION</b>	FEP
<b>BISECTOR TAPE</b>	POLYOLEFIN
<b>JACKET</b>	FRPVC
<b>JACKET COLOR</b>	BLUE
<b>COLOR CODE</b>	BLUE/WHITE WITH BLUE STRIPE, ORANGE/WHITE WITH ORANGE STRIPE GREEN/WHITE WITH GREEN STRIPE, BROWN/WHITE WITH BROWN STRIPE
<b>MARKING</b>	A B C D E 0 1 2 3 4 5 6 7 8 9 UTP 4/23 C(ETL)US CMP CAT6A 5013896 WINDY CITY WIRE MADE IN USA
<b>NOMINAL JACKET O.D.</b>	0.300"
<b>NOMINAL JACKET THICKNESS</b>	0.053"
<b>CABLE WEIGHT</b>	42.40 LBS./1000 FT.
<b>TEMPERATURE</b>	INSTALLATION: 0°C TO 60°C; OPERATION: -20°C TO 60°C

## INDUSTRY STANDARDS

**AGENCIES APPROVALS** C(ETL)US CMP



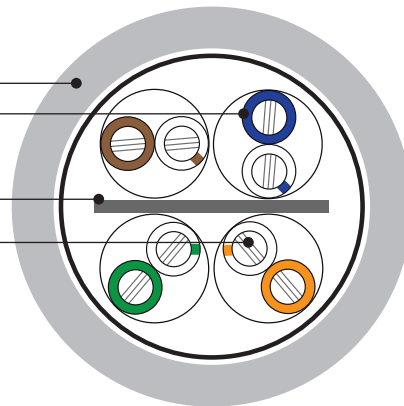
## TWISTED PAIR CABLE – 4 PR. 23 AWG

JACKET

INSULATION

BISECTOR TAPE

CONDUCTOR



## TWISTED PAIR CABLES

- PAIR 1** BLUE/WHITE WITH BLUE STRIPE
- PAIR 2** ORANGE/WHITE WITH ORANGE STRIPE
- PAIR 3** GREEN/WHITE WITH GREEN STRIPE
- PAIR 4** BROWN/WHITE WITH BROWN STRIPE

## MECHANICAL SPECIFICATION

<b>MUTUAL CAPACITANCE</b>	6.0 nF/100m@1kHz
<b>DC RESISTANCE/UNBALANCE</b>	7.61Ω/100m / 4% MAXIMUM
<b>DIELECTRIC BREAKDOWN</b>	1500 VAC   2500 Vdc
<b>NOMINAL VELOCITY OF PROPAGATION, NVP</b>	66%
<b>MAXIMUM OPERATING FREQUENCY</b>	500 MHz

## ELECTRICAL PERFORMANCE

FREQ MHZ.	IL		NEXT		ACR		PSNEXT		PSACR		ACRF		PSACRF		RL		TCL	ELTCTL
	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	STD	STD	STD
1	2.1	1.8	74.3	91.0	72.2	89.2	72.3	89.2	70.2	87.3	67.8	84.5	64.8	82.5	20.0	33.0	40.0	35.0
4	3.8	3.5	65.3	83.1	61.5	79.6	63.3	81.0	59.5	77.5	55.8	72.6	52.8	70.5	23.0	34.6	40.0	23.0
8	5.3	5.0	60.8	79.0	55.4	73.9	58.8	76.9	53.4	71.8	49.7	66.6	46.7	64.4	24.5	37.3	40.0	16.9
10	5.9	5.6	59.3	76.6	53.4	71.0	57.3	74.7	51.4	69.1	47.8	64.7	44.8	62.5	25.0	38.4	40.0	15.0
16	7.5	7.1	56.2	73.6	48.8	66.5	54.2	71.5	46.8	64.3	43.7	60.6	40.7	58.2	25.0	39.6	38.0	10.9
20	8.4	8.0	54.8	73.0	46.4	65.0	52.8	71.0	44.4	63.0	41.8	58.6	38.8	56.2	25.0	38.9	37.0	9.0
25	9.4	9.0	53.3	70.6	44.0	61.7	51.3	68.8	42.0	59.8	39.8	56.5	36.8	54.2	24.3	38.7	36.0	7.0
31.25	10.5	10.1	51.9	68.7	41.4	58.7	49.9	66.9	39.4	56.8	37.9	54.4	34.9	52.1	23.6	39.3	35.1	-
62.5	15.0	14.4	47.4	64.6	32.4	50.3	45.4	62.7	30.4	48.3	31.9	48.5	28.9	46.0	21.5	36.3	32.0	-
100	19.1	18.4	44.3	60.2	25.2	41.9	42.3	58.7	23.2	40.4	27.8	44.5	24.8	42.2	20.1	35.8	30.0	-
155	24.1	23.2	41.4	60.8	17.4	37.7	39.4	58.8	15.4	35.6	24.0	41.0	21.0	38.7	18.8	33.1	28.1	-
200	27.6	26.5	39.8	56.8	12.2	30.4	37.8	55.0	10.2	28.5	21.8	38.5	18.8	36.3	18.0	33.0	27.0	-
250	31.1	29.8	38.3	54.8	7.3	25.1	36.3	52.8	5.3	23.0	19.8	36.5	16.8	34.2	17.3	32.6	26.0	-
300	34.3	32.9	37.1	53.4	2.9	20.5	35.1	51.4	0.9	18.5	18.3	35.0	15.3	32.5	16.8	32.5	25.2	-
350	37.2	35.7	36.1	52.1	-1.1	16.4	34.1	50.1	-3.1	14.4	16.9	34.0	13.9	31.4	16.3	33.2	24.6	-
400	40.1	38.2	35.3	50.4	-4.8	12.2	33.3	48.3	-6.8	10.1	15.8	32.0	12.8	30.0	15.9	34.2	24.0	-
500	45.3	43.1	33.8	47.3	-11.4	4.2	31.8	45.5	-13.4	2.4	13.8	29.9	10.8	27.8	15.2	34.6	23.0	-
650	-	49.8	-	43.1	-	6.6	-	41.3	-	-8.4	-	27.4	-	25.1	-	27.2	-	-

\*FREQUENCIES BEYOND TIA AND ISO REQUIREMENTS ARE FOR INFORMATION ONLY. †DISCRETE VALUES ARE FOR INFORMATION ONLY. EQUATIONS FOR SWEEPED FREQUENCIES GOVERN LIMITS.