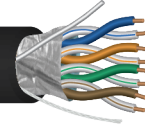


# PART NUMBER 7756600A-110

ETL TYPE CMR, C(ETL)

PAGE 1

■ 1000/0000 FT • A B C D E 0 1 2 3 4 5 6 7 8 9 FTP 4/23 C(ETL)US CMR CAT6A 9700851 WINDY CITY WIRE MADE IN USA



## CABLE SPECIFICATIONS

<b>DESCRIPTION</b>	ANSI/TIA 568-C.2 CATEGORY 6A, 4 TWISTED PAIR CABLE, (FTP-FOIL) SHIELDED, ETL TYPE CMR, C(ETL)
<b>CONDUCTOR</b>	23 AWG, SOLID BARE COPPER
<b>INSULATION</b>	POLYOLEFIN
<b>BISECTOR TAPE</b>	POLYOLEFIN
<b>TAPE (CORE WRAP)</b>	PET
<b>SHIELD</b>	POLYOLEFIN/ALUMINUM, (FTP-FOIL)
<b>DRAIN WIRE</b>	24 AWG, SOLID TINNED COPPER
<b>JACKET</b>	FRPVC
<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>JACKET COLOR</b>	BLACK JACKET
<b>MARKING</b>	1000/0000 A B C D E 0 1 2 3 4 5 6 7 8 9 FTP 4/23 C(ETL)US CMR CAT6A 9700851 WINDY CITY WIRE MADE IN USA

## MECHANICAL SPECIFICATIONS

<b>NOMINAL JACKET OD</b>	0.288"
<b>CABLE WEIGHT</b>	38.0 LBS/1000 FT
<b>JACKET THICKNESS</b>	0.020"
<b>TEMPERATURE</b>	INSTALLATION TEMPERATURE 0°C TO 60°C OPERATION TEMPERATURE -20°C TO 60°C

All specifications referenced are nominal measurements unless otherwise noted.



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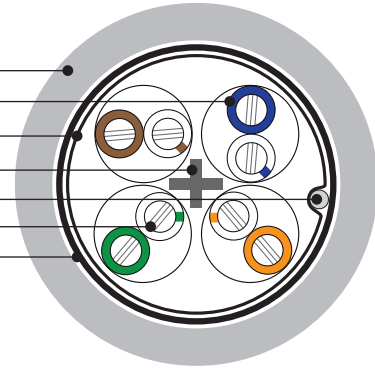
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# 4 TWISTED PAIR CABLE

ETL TYPE CMR, C(ETL)

## TWISTED PAIR CABLE – 4 PR. 23 AWG FEP INS.

- JACKET
- INSULATION
- TAPE
- ISOLATOR
- DRAIN WIRE
- CONDUCTOR
- SHIELD



## 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

- INPUT IMPEDANCE** 100 OHMS
- MUTUAL CAPACITANCE** 5.6 NF/100M MAX
- DC RESISTANCE/UNBALANCE** 8.00 OHMS/100M 4% MAX
- DIELECTRIC BREAKDOWN** 2500 VOLTS DC CONDUCTOR TO CONDUCTOR
- PROPAGATION DELAY SKEW** ≤45 NS/100 M
- NOMINAL VELOCITY OF PROPAGATION, NVP** 68%

## 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	-

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

\*ALL TESTS INCLUDE SWEEPED FREQUENCY MEASUREMENTS.

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