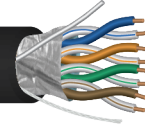


PART NUMBER CAT6AS-BLK

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

DESCRIPTION	ANSI/TIA 568-C.2 CATEGORY 6A, 4 TWISTED PAIR CABLE, (FTP-FOIL) SHIELDED, ETL TYPE CMR, C(ETL)
CONDUCTOR	23 AWG, SOLID BARE COPPER
INSULATION	POLYOLEFIN
BISECTOR TAPE	POLYOLEFIN
TAPE (CORE WRAP)	PET
SHIELD	POLYOLEFIN/ALUMINUM, (FTP-FOIL)
DRAIN WIRE	24 AWG, SOLID TINNED COPPER
JACKET	FRPVC
COLOR CODE	BLUE/WHITE WITH BLUE STRIPE; ORANGE/WHITE WITH ORANGE STRIPE; GREEN/WHITE WITH GREEN STRIPE; BROWN/WHITE WITH BROWN STRIPE
JACKET COLOR	BLACK JACKET
MARKING	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

NOMINAL JACKET OD	0.288"
CABLE WEIGHT	38.0 LBS/1000 FT
JACKET THICKNESS	0.020"
TEMPERATURE	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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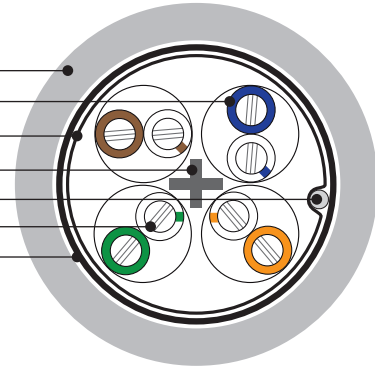
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4 TWISTED PAIR CABLE

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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