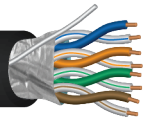
PART NUMBER 7756600A-110

4 TWISTED PAIR CABLE (F/UTP), PLENUM: ETL TYPE CMR, C(ETL)

■ 0275/0725 FT ● A B C D E 0 1 2 3 4 5 6 7 8 9 FTP 4/23 C(ETL) US CMR CAT 6A 9700851 WINDY CITY WIRE MADE IN USA



SMARTWIRE GLIDE TECHNOLOGY

CABLE SPECIFICATIONS

DESCRIPTION	ANSI/TIA 568-C.2 CATEGORY 6A SCREENED 4 TWISTED PAIR CABLE (F/UTP) PLENUM: ETL TYPE CMR, C(ETL)
CONDUCTOR	23 AWG, SOLID BARE COPPER
INSULATION	POLYOLEFIN
ISOLATOR	POLYOLEFIN
TAPE (CORE WRAP)	PET
SHIELD	PET/ALUMINUM
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 4/23 C(ETL) US CMR CAT 6A 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

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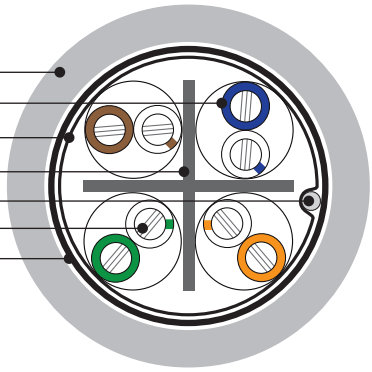
4 TWISTED PAIR CABLE

4 TWISTED PAIR CABLE (F/UTP), PLENUM: ETL TYPE CMR, C(ETL)

TWISTED PAIR CABLE – 4 PR.



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/100m
NOMINAL VELOCITY OF PROPAGATION, NVP	68%

ELECTRICAL PERFORMANCE

FREQ	IL		NEXT		ACR		PSNEXT		PSACR		ACRF		PSACRF		RL		TCL	ELTCTL
MHZ.	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	91.3	72.2	89.5	72.3	89.2	70.2	87.4	67.8	91.0	64.8	88.8	20.0	33.5	40.0	35.0
4	3.8	3.5	65.3	81.8	61.5	78.3	63.3	79.8	59.5	76.3	55.8	81.3	52.8	79.4	23.0	35.7	40.0	23.0
8	5.3	4.9	60.8	76.9	55.4	72.0	58.8	75.0	53.4	70.1	49.7	75.3	46.7	73.4	24.5	36.3	40.0	16.9
10	5.9	5.5	59.3	75.2	53.4	69.7	57.3	73.3	51.4	67.8	47.8	73.6	44.8	71.7	25.0	36.8	40.0	15.0
16	7.5	7.0	56.2	72.7	48.8	65.7	54.2	70.5	46.8	63.5	43.7	69.7	40.7	67.7	25.0	37.4	38.0	10.9
20	8.4	7.8	54.8	70.8	46.4	62.9	52.8	68.8	44.4	60.9	41.8	67.6	38.8	65.7	25.0	37.6	37.0	9.0
25	9.4	8.8	53.3	69.3	44.0	60.5	51.3	67.2	42.0	58.5	39.8	65.6	36.8	63.7	24.3	37.3	36.0	7.0
31.25	10.5	9.8	51.9	68.0	41.4	58.2	49.9	66.0	39.4	56.2	37.9	63.7	34.9	61.8	23.6	36.5	35.1	–
62.5	15.0	13.9	47.4	62.7	32.4	48.7	45.4	60.7	30.4	46.8	31.9	57.7	28.9	55.7	21.5	33.5	32.0	–
100	19.1	17.7	44.3	58.6	25.2	40.9	42.3	56.8	23.2	39.1	27.8	53.4	24.8	51.3	20.1	30.4	30.0	–
155	24.1	22.2	41.4	56.7	17.4	34.5	39.4	54.3	15.4	32.1	24.0	49.4	21.0	47.5	18.8	28.6	28.1	–
200	27.6	25.3	39.8	53.3	12.2	28.0	37.8	51.4	10.2	26.1	21.8	47.7	18.8	45.7	18.0	27.6	27.0	–
250	31.1	28.4	38.3	52.4	7.3	24.0	36.3	50.3	5.3	21.9	19.8	45.8	16.8	43.7	17.3	26.5	26.0	–
300	34.3	31.2	37.1	51.6	2.9	20.4	35.1	49.5	0.9	18.3	18.3	43.9	15.3	41.8	16.8	26.9	25.2	–
350	37.2	33.8	36.1	50.8	-1.1	17.0	34.1	48.7	-3.1	14.9	16.9	42.2	13.9	40.1	16.3	27.0	24.6	–
400	40.1	36.3	35.3	50.5	-4.8	14.2	33.3	48.3	-6.8	12.0	15.8	41.0	12.8	38.9	15.9	26.7	24.0	–
500	45.3	40.9	33.8	47.3	-11.4	6.4	31.8	45.2	-13.4	4.3	13.8	38.3	10.8	36.0	15.2	26.9	23.0	–

*ALL TESTS INCLUDE SWEPT FREQUENCY MEASUREMENTS.

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