

PART NUMBER 556600-110

PLENUM: ETL TYPE CMP, C(ETL)CMP, ANSI/TIA/EIA-568 CATEGORY 6 (550 MHZ) ISO/IEC 11801

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■ 0275/0725 FT • UTP 4/23 C(ETL)US CMP VERIFIED (ETL) CAT6 5013896 550 MHZ TIA-568-C.2 WINDY CITY WIRE MADE IN USA



SMARTWIRE
GLIDE
TECHNOLOGY

CABLE SPECIFICATIONS

DESCRIPTION	23 AWG CATEGORY 6 NON-SHIELDED TWISTED PAIR (UTP) CABLE, SWEEP TESTED TO 550MHz. THIS CABLE IS PLENUM RATED AND VERIFIED TO CATEGORY 6 ELECTRICALS
CONDUCTOR	23 AWG SOLID BARE COPPER
INSULATION	FEP, PE
COLOR CODE	WHITE-BLUE/BLUE, WHITE-ORANGE/ORANGE, WHITE-GREEN/GREEN, WHITE-BROWN/BROWN
JACKET	FLEX PVC
JACKET COLOR	BLACK JACKET
COMPLETE CABLE PRINT LEGEND	1000/0000 A B C D E 0 1 2 3 4 5 6 7 8 9 UTP 4/23 C(ETL)US CMP VERIFIED (ETL) CAT6 5013896 550 MHZ TIA-568-C.2 WINDY CITY WIRE MADE IN USA
OVERALL DIAMETER	0.215" Nom.
CABLE WEIGHT	28 Lbs/Mft.
NOM. MUTUAL CAPACITANCE	4.6 nF/100m NOMINAL
IMPEDANCE	103 +/- 15 Ohms (1.0 - 250 MHz)
DC RESISTANCE	6.66 ohms/100m MAX/2.5% MAX
TEMPERATURE RATING	0° C to 60° C
VOLTAGE	300V RMS

INDUSTRY STANDARDS

FLAME RATING APPROVED FOR PLENUM USE WITHOUT CONDUIT PER NFPA 262 FLAME TEST

AGENCY APPROVALS ETL TYPE CMP, CSA C(ETL) CMP; TIA/EIA



All specifications referenced are nominal measurements unless otherwise noted.

4 TWISTED PAIR CABLE

PLENUM: ETL TYPE CMP, C(ETL)CMP, ANSI/TIA/EIA-568 CATEGORY 6 (550 MHZ) ISO/IEC 11801

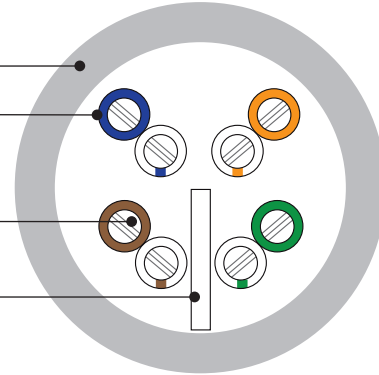
TWISTED PAIR CABLE

OUTER JACKET – PLENUM: FLEX PVC

PAIR INSULATION – PLENUM: FEP, PE

23 AWG SOLID COPPER

TAPE SEPARATOR



TWISTED PAIR CABLE

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

MECHANICAL SPECIFICATION

NOMINAL JACKET OD	PLENUM: 0.215"
NOMINAL JACKET THICKNESS	PLENUM: 0.019"
JACKET MIN. SPOT THICKNESS	PLENUM: 0.018"
INSTALLATION TEMPERATURE	0° C TO 60° C
OPERATION TEMPERATURE	-20° C TO 60° C

ELECTRICAL PERFORMANCE

FREQ MHZ.	ATTEN. (dB/100m)	CROSS TLK (dB)	ACR (dB) MIN.	POWER SUM (dB)			ELFEXT (dB) MIN	RETURN LOSS (dB) MIN
				NEXT MIN.	ELFEXT MIN.	ACR MIN.		
1.0	2.0	74.3	72.3	72.3	64.8	70.3	67.8	20.0
4.0	3.8	65.3	61.5	63.3	52.8	59.5	55.8	23.0
8.0	5.3	60.8	55.4	58.8	46.7	53.4	49.7	24.5
10.0	6.0	59.3	53.3	57.3	44.8	51.3	47.8	25.0
16.0	7.6	56.2	48.7	54.2	40.7	46.7	43.7	25.0
20.0	8.5	54.8	46.3	52.8	38.8	44.3	41.8	25.0
25.0	9.5	53.3	43.8	51.3	36.8	41.8	39.8	24.3
31.25	10.7	51.9	41.2	49.9	34.9	39.2	37.9	23.6
62.5	15.4	47.4	32.0	45.4	28.9	30.0	31.9	21.5
100.0	19.8	44.3	24.5	42.3	24.8	22.5	27.8	20.1
155.0	25.2	41.4	16.2	39.4	21.0	14.2	24.0	18.8
200.0	29.0	39.8	10.7	37.8	18.8	8.7	21.8	18.0
250.0	32.8	38.3	5.4	36.3	16.8	3.4	19.8	17.3
350.0	39.7	37.1	-3.6	34.1	13.9	-5.6	16.9	NS
400	42.9	36.3	-7.6	33.3	12.7	-9.6	15.8	NS
550	51.4	36.2	-	34.2	10.9	-	14.0	NS

ALL TESTS INCLUDE SWEEPED FREQUENCY MEASUREMENTS. VALUES ABOVE 250 MHZ ARE FOR INFORMATION PURPOSES ONLY.

NOM. MUTUAL CAPACITANCE	4.6 nF/100m NOMINAL
DC RESISTANCE	6.66 Ohms/100m MAX/2.5% MAX
DIELECTRIC BREAKDOWN	2500 VOLTS DC CONDUCTOR TO CONDUCTOR
PROPAGATION DELAY	4.59nSec/Max @ 10MHz
PROPAGATION DELAY SKEW	≤45ns/100m
NOMINAL VELOCITY OF PROPAGATION, NVP	PLENUM 73%

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