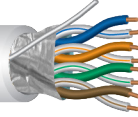


PART NUMBER CAT6SP-WHT

PLENUM: ETL LISTED, TYPE CMP, C(ETL), ANSI/TIA 568-C.2, NFPA 70, ISO 11801

■ 1000/0000 FT • A B C D E 0 1 2 3 4 5 6 7 8 9 UTP 4/23 C(ETL) US CMP CAT6 5013896 TIA-568-C.2 WINDY CITY WIRE MADE IN USA



CABLE SPECIFICATIONS

DESCRIPTION	23 AWG CATEGORY 6 (FTP-FOIL) SHIELDED, TWISTED PAIR CABLE THIS CABLE IS PLENUM RATED AND VERIFIED TO CATEGORY 6 ELECTRICALS
CONDUCTOR	23 AWG SOLID BARE COPPER
CONDUCTOR O.D. RANGE	0.0412" - 0.0425"
INSULATION	FEP
COLOR CODE	BLUE/WHITE WITH BLUE STRIPE, ORANGE/WHITE WITH ORANGE STRIPE GREEN/WHITE WITH GREEN STRIPE, BROWN/WHITE WITH BROWN STRIPE
SHIELD	ALUMINUM TAPE (FTP-FOIL)
DRAIN WIRE	24 AWG SOLID TINNED COPPER
JACKET	PVC
JACKET COLOR	WHITE
MARKING	A B C D E 0 1 2 3 4 5 6 7 8 9 FTP 4/23 C(ETL) US CMP CAT 6 5013896 TIA-568-C.2 WINDY CITY WIRE MADE IN USA
OVERALL DIAMETER	0.277" NOM.
CONDUCTOR WEIGHT	38 LBS/MFT
CAPACITANCE	5.6 NF/100 METERS MAX
IMPEDANCE	100 OHMS.
DC RESISTANCE	9.38 OHMS/100M MAX/ 5% MAX
TEMPERATURE RATING	-20° C TO 60° C
VOLTAGE RATING	300 VOLTS

INDUSTRY STANDARDS

AGENCIES APPROVALS ETL LISTED TYPE CMP, C(ETL), ANSI/TIA 568-C.2, NFPA 70, ISO 11801, ROHS COMPLIANT



All specifications referenced are nominal measurements unless otherwise noted.



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SCREENED 4 TWISTED PAIR CABLE (FTP)

PLENUM: ETL LISTED, TYPE CMP, C(ETL), ANSI/TIA 568-C.2, NFPA 70, ISO 11801

TWISTED PAIR SHIELDED CABLE

OUTER JACKET PVC

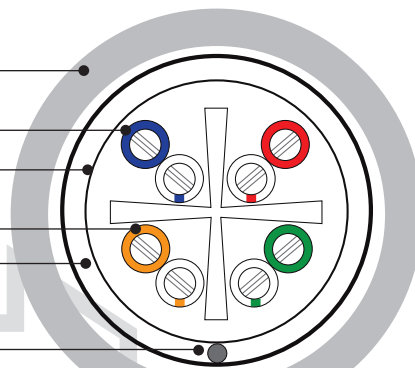
PAIR INSULATION FEP

POLYESTER TAPE

CONDUCTOR 23 AWG SOLID COPPER

ALUMINUM TAPE

DRAIN WIRE 24 AWG SOLID TINNED COPPER



TWISTED PAIR SHIELDED 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

INPUT IMPEDANCE: 100 OHMS

NOMINAL VELOCITY OF PROPAGATION, NVP: 71%

DC RESISTANCE/UNBALANCE: 9.38 OHMS/100M MAX/5% MAX

DIELECTRIC BREAKDOWN: 2500 VOLTS DC CONDUCTOR TO CONDUCTOR

PROPAGATION DELAY SKEW: < 45NS/100M

MUTUAL CAPACITANCE: 5.6 NF/100M MAX

NOMINAL JACKET OD: 0.277"

CABLE WEIGHT: 38.2 LBS/1000 FT.

INSTALLATION TEMPERATURE: 0°C TO 60°C

OPERATION TEMPERATURE: -20°C TO 60°C

ELECTRICAL PERFORMANCE

FREQ	IL Max (dB/100m)		NEXT Min (dB/100m)		ACR Min (dB/100m)		PSNEXT Min (dB/100m)		PSACR (dB/100m)		ACRF Min (dB/100m)		PSACRF Min (dB/100m)		RL Min (dB/100m)		TCL	ELTCTL
MHz.	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	STD
1	2.0	1.9	74.3	86.5	72.3	84.6	72.3	84.3	70.3	82.5	67.8	91.7	64.8	89.5	20.0	33.7	40.0	35.0
4	3.8	3.6	65.3	80.7	61.5	77.1	63.3	78.3	59.5	74.8	55.8	81.2	52.8	78.9	23.0	36.1	40.0	23.0
8	5.3	5.1	60.8	76.5	55.4	71.4	58.8	74.1	53.4	69.0	49.7	75.2	46.7	73.0	24.5	37.2	40.0	16.9
10	6.0	5.7	59.3	74.2	53.3	68.5	57.3	71.7	51.3	66.1	47.8	73.5	44.8	71.2	25.0	37.8	40.0	15.0
16	7.6	7.2	56.2	71.1	48.7	63.9	54.2	68.8	46.7	61.6	43.7	69.3	40.7	67.0	25.0	39.5	38.0	10.9
20	8.5	8.1	54.8	70.2	46.3	62.2	52.8	67.7	44.3	59.6	41.8	67.4	38.8	65.1	25.0	40.1	37.0	9.0
25	9.5	9.0	53.3	68.4	43.8	59.4	51.3	65.9	41.8	56.8	39.8	65.4	36.8	63.1	24.3	39.2	36.0	7.0
31.25	10.7	10.1	51.9	66.7	41.2	56.6	49.9	64.3	39.2	54.2	37.9	63.5	34.9	61.2	23.6	37.5	35.1	-
62.5	15.4	14.4	47.4	62.0	32.0	47.6	45.4	59.5	30.0	45.1	31.9	57.2	28.9	54.9	21.5	33.2	32.0	-
100	19.8	18.3	44.3	58.9	24.5	40.6	42.3	56.4	22.5	38.0	27.8	53.2	24.8	51.0	20.1	29.6	30.0	-
155	25.2	23.0	41.4	55.5	16.3	32.5	39.4	54.2	14.3	31.2	24.0	49.5	21.0	47.1	18.8	27.5	28.1	-
200	29.0	26.3	39.8	52.8	10.8	26.5	37.8	50.5	8.8	24.2	21.8	46.4	18.8	44.3	18.0	27.3	27.0	-
250	32.8	29.6	38.3	51.5	5.2	22.0	36.3	49.1	3.5	19.6	19.8	44.4	16.8	42.2	17.3	26.6	26.0	-
300	-	32.5	-	50.4	-	17.9	-	48.1	-	15.6	-	43.3	-	40.9	-	26.3	-	-
350	-	35.3	-	48.7	-	13.4	-	46.5	-	11.2	-	41.4	-	39.0	-	26.8	-	-
400	-	37.9	-	47.2	-	9.2	-	44.8	-	6.9	-	40.0	-	37.7	-	27.5	-	-
450	-	40.4	-	46.5	-	6.1	-	44.2	-	3.8	-	39.1	-	36.9	-	28.3	-	-
500	-	42.8	-	45.1	-	2.4	-	42.9	-	0.2	-	38.0	-	35.8	-	27.8	-	-
550	-	43.0	-	44.9	-	1.9	-	42.9	-	-0.1	-	38.1	-	35.7	-	27.4	-	-
650	-	49.4	-	37.6	-	-11.8	-	36.4	-	-13.0	-	34.1	-	31.7	-	22.3	-	-

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