

PART NUMBER CAT6SP-BLU

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 FTP 4/23 C(ETL) US CMP CAT 6 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	BLUE
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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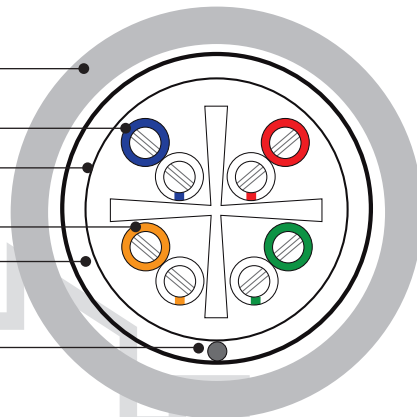
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SCREENED 4 TWISTED PAIR CABLE (FTP)

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
	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP		
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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