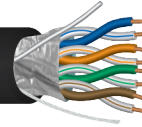


PART NUMBER CAT5SP-BLK

ETL LISTED TYPE CMP, C(ETL)CMP, CATEGORY 5E CABLE

PAGE 1

■ 0275/0725 FT ● A B C D E 0 1 2 3 4 5 6 7 8 9 FTP 4/24 C (ETL) US CMP CAT 5E 9700851 TIA-568B-C.2 WINDY CITY WIRE MADE IN USA



CABLE SPECIFICATIONS

DESCRIPTION	24 AWG CATEGORY 5E SHIELDED TWISTED PAIR (FTP)
CONDUCTOR	24 AWG SOLID BARE COPPER
INSULATION	FEP
COLOR CODE	PAIR 1: WHITE-BLUE/BLUE, PAIR 2: WHITE-ORANGE/ORANGE, PAIR 3: WHITE-GREEN/GREEN, PAIR 4: WHITE-BROWN/BROWN
JACKET	PLENUM RATED PVC
JACKET COLOR	BLACK JACKET
MARKING	A B C D E 0 1 2 3 4 5 6 7 8 9 FTP 4/24 C (ETL) US CMP CAT 5E 9700851 TIA-568B-C.2 WINDY CITY WIRE MADE IN USA
OVERALL DIAMETER	.235" NOM.
CONDUCTOR WEIGHT	25 LBS/MFT.
CAPACITANCE	5.6 NF/100M MAX/5% MAX
IMPEDANCE	100 OHMS +- 15%
DC RESISTANCE	28.6 OHMS/KFT/ 5% MAX
TEMPERATURE RATING	- 20 C TO 60 C / 300 VOLT
VOLTAGE RATING	300 VOLTS

INDUSTRY STANDARDS

AGENCIES APPROVALS ETL LISTED TYPE CMP, C(ETL)CMP



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4 TWISTED PAIR CABLE

PLENUM: ETL TYPE CMP, C(ETL) CMP

4 TWISTED PAIR CABLE

JACKET

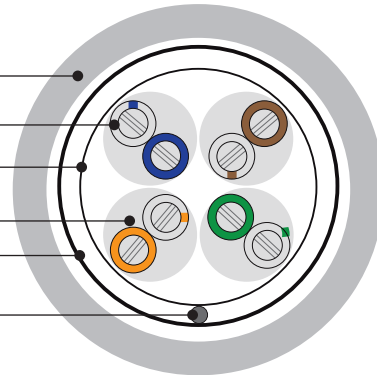
INSULATION

TAPE

CONDUCTOR

SHIELD

DRAIN WIRE



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

NOMINAL JACKET OD	0.235"
NOMINAL JACKET THICKNESS	0.018"
INSTALLATION TEMPERATURE	0 C TO 60 C
OPERATION TEMPERATURE	-20C TO 60 C

PERFORMANCE CHARACTERISTICS

FREQ MHZ.	IL		NEXT		PSNEXT		ACRF		PSACRF		RL		ACR	
	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP
1	2.0	1.8	65.3	80.8	62.3	78.8	63.8	80.7	60.8	77.1	20.0	31.1	63.3	79.0
4	4.1	3.4	56.3	70.7	53.3	69.2	51.8	69.5	48.8	65.8	23.0	26.2	52.2	67.3
8	5.8	4.8	51.8	65.8	48.8	64.5	45.7	63.5	42.7	59.6	24.5	27.5	46.0	61.0
10	6.5	5.4	50.3	64.4	47.3	62.9	43.8	61.5	40.8	57.5	25.0	29.5	43.8	58.9
16	8.2	6.9	47.2	60.6	44.2	59.3	39.7	57.5	36.7	52.4	25.0	28.2	39.0	53.7
20	9.3	7.7	45.8	58.0	42.8	56.6	37.8	56.1	34.8	48.9	25.0	29.5	36.5	50.3
25	10.4	8.7	44.3	57.2	41.3	55.9	35.8	54.7	32.8	47.3	24.3	29.5	33.9	48.5
31.25	11.7	9.7	42.9	55.9	39.9	54.4	33.9	52.9	30.9	44.7	23.6	30.0	31.2	46.2
62.5	17.0	13.8	38.4	52.1	35.4	50.5	27.9	46.6	24.9	36.7	21.5	28.3	21.4	38.3
100	22.0	17.5	35.3	49.7	32.3	48.91	23.8	41.9	20.8	30.6	20.1	26.0	13.3	32.1
155	-	22.0	-	46.9	-	45.3	-	39.3	-	23.3	-	22.7	-	24.9
200	-	25.1	-	44.1	-	42.4	-	36.7	-	17.3	-	21.0	-	18.9
250	-	28.2	-	42.3	-	40.8	-	34.8	-	12.6	-	19.7	-	14.1
300	-	31.0	-	42.2	-	40.5	-	33.3	-	9.5	-	18.2	-	11.2
350	-	33.6	-	37.9	-	36.9	-	32.8	-	3.3	-	17.4	-	4.3

MECHANICAL SPECIFICATION

INPUT IMPEDANCE	100 OHMS ± 15%
MUTUAL CAPACITANCE	5.6 NF/100M @ 1KHZ
DC RESISTANCE/UNBALANCE	28.6 OHMS/1000' MAX/5% MAX
DIELECTRIC BREAKDOWN	2500 VOLTS DC CONDUCTOR TO CONDUCTOR
PROPAGATION DELAY SKEW	< 45NS/100M
NOMINAL VELOCITY OF PROPAGATION, NVP	73%



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