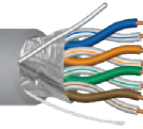


# PART NUMBER CAT6AS-GRY

ETL TYPE CMR, C(ETL)

PAGE 1

AUGMENTED CATEGORY 6 FTP SUPRA 10G --- 4P/23 FT4 C(UL)US CMR - COMPLIANT TO CAT 6A ANSI/TIA 568-C.2



## CABLE SPECIFICATIONS

<b>DESCRIPTION</b>	ANSI/TIA 568-C.2 CATEGORY 6A, 4 TWISTED PAIR CABLE, (FTP-FOIL) SHIELDED, ETL TYPE CMR, C(ETL)
<b>CONDUCTOR</b>	23 AWG, SOLID BARE COPPER
<b>INSULATION</b>	POLYOLEFIN
<b>ISOLATOR</b>	POLYOLEFIN
<b>TAPE (CORE WRAP)</b>	PET
<b>SHIELD</b>	POLYOLEFIN/ALUMINUM, (FTP-FOIL)
<b>DRAIN WIRE</b>	24 AWG, SOLID TINNED COPPER
<b>JACKET</b>	FRPVC
<b>COLOR CODE</b>	BLUE/WHITE WITH BLUE STRIPE ORANGE/WHITE WITH ORANGE STRIPE GREEN/WHITE WITH GREEN STRIPE BROWN/WHITE WITH BROWN STRIPE
<b>JACKET COLOR</b>	GRAY
<b>MARKING</b>	AUGMENTED CATEGORY CAT 6A FTP SUPRA 10G - 4P/23 FT4 C(UL)US CMR - COMPLIANT TO CAT 6A ANSI/TIA 568.C.2

## MECHANICAL SPECIFICATIONS

<b>NOMINAL JACKET OD</b>	0.288"
<b>CABLE WEIGHT</b>	38.0 LBS/1000 FT
<b>JACKET THICKNESS</b>	0.020"
<b>TEMPERATURE</b>	INSTALLATION TEMPERATURE 0°C TO 60°C OPERATION TEMPERATURE -20°C TO 60°C



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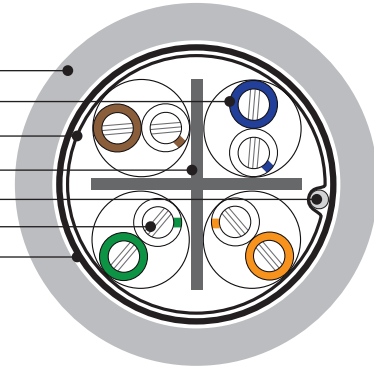
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# CAT6AS-GRY: 4 TWISTED PAIR CABLE

C(UL)US CMR

## TWISTED PAIR CABLE – 4 PR. 23 AWG FEP INS.

- JACKET \_\_\_\_\_
- INSULATION \_\_\_\_\_
- TAPE \_\_\_\_\_
- ISOLATOR \_\_\_\_\_
- DRAIN WIRE \_\_\_\_\_
- CONDUCTOR \_\_\_\_\_
- SHIELD \_\_\_\_\_



## 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

<b>INPUT IMPEDANCE</b>	100 OHMS
<b>MUTUAL CAPACITANCE</b>	5.6 NF/100M MAX
<b>DC RESISTANCE/UNBALANCE</b>	8.00 OHMS/100M 4% MAX
<b>DIELECTRIC BREAKDOWN</b>	2500 VOLTS DC CONDUCTOR TO CONDUCTOR
<b>PROPAGATION DELAY SKEW</b>	≤45 NS/100 M
<b>NOMINAL VELOCITY OF PROPAGATION, NVP</b>	68%

## ELECTRICAL PERFORMANCE

FREQ MHZ.	IL		NEXT		ACR		PSNEXT		PSACR		ACRF		PSACRF		RL	
	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	TYP	STD	STD
1.0	2.1	1.8	74.3	88.1	72.2	86.3	72.3	86.0	70.2	84.3	67.8	87.6	64.8	86.0	20.0	86.0
4.0	3.8	3.4	65.3	79.5	61.5	76.1	63.3	77.2	59.5	73.9	55.8	76.8	52.8	75.3	23.0	75.3
8.0	5.3	4.8	60.8	74.8	55.4	70.0	58.8	72.7	53.4	68.0	49.7	70.5	46.7	69.2	24.5	69.2
10.0	5.9	5.3	59.3	72.8	53.4	67.4	57.3	70.2	51.4	64.9	47.8	69.1	44.8	67.7	25.0	67.7
16.0	7.5	6.8	56.2	69.0	48.8	62.2	54.2	66.9	46.8	60.1	43.7	64.9	40.7	63.6	25.0	63.6
20.0	8.4	7.6	54.8	68.5	46.4	60.9	52.8	66.3	44.4	58.7	41.8	62.8	38.8	61.6	25.0	61.6
25.0	9.4	8.5	53.3	66.8	44.0	58.3	51.3	64.4	42.0	55.9	39.8	60.8	36.8	59.5	24.3	59.5
31.25	10.5	9.6	51.9	64.7	41.4	55.1	49.9	62.4	39.4	52.8	37.9	59.0	34.9	57.7	23.6	57.7
62.5	15.0	13.6	47.4	60.0	32.4	46.4	45.4	57.8	30.4	44.2	31.9	53.6	28.9	51.8	21.5	51.8
100.0	19.1	17.3	44.3	56.3	25.2	38.9	42.3	54.3	23.2	36.9	27.8	51.6	24.8	49.8	20.1	49.8
155.0	24.1	21.7	41.4	53.2	17.4	31.5	39.4	51.2	15.4	29.5	24.0	47.0	21.0	45.3	18.8	45.3
200.0	27.6	24.8	39.8	50.7	12.2	25.9	37.8	48.9	10.2	24.0	21.8	44.6	18.8	42.4	18.0	42.4
250.0	31.1	27.9	38.3	50.4	7.3	22.5	36.3	48.3	5.3	20.3	19.8	41.9	16.8	40.1	17.3	40.1
300.0	34.3	30.7	37.1	48.0	2.9	17.3	35.1	46.1	0.9	15.4	18.3	41.4	15.3	39.4	16.8	39.4
350.0	37.2	33.84	36.1	46.3	-1.1	12.9	34.1	44.5	-3.1	11.2	16.9	39.4	13.9	37.4	16.3	37.4
400.0	40.1	35.9	35.3	44.9	-4.8	9.1	33.3	42.8	-6.8	6.9	15.8	38.3	12.8	36.3	15.9	36.3
450	42.7	38.2	35.5	43.6	-7.2	5.3	33.5	41.6	-10.2	3.4	17.7	36.9	15.7	34.8	15.5	34.8
500.0	45.3	40.96	33.8	41.3	-11.4	0.7	31.8	39.9	-13.4	-0.7	13.8	36.3	10.8	34.0	15.2	34.0
550	-	42.8	-	39.6	-	-3.2	-	37.8	-	-5.0	-	33.3	-	31.0	-	31.0
600	-	45.1	-	38.5	-	-6.5	-	36.6	-	-8.4	-	33.2	-	30.9	-	30.9
650	-	46.9	-	34.6	-	-	-	33.4	-	-	-	31.6	-	29.3	-	29.3

\*ALL TESTS INCLUDE SWEPT FREQUENCY MEASUREMENTS.

