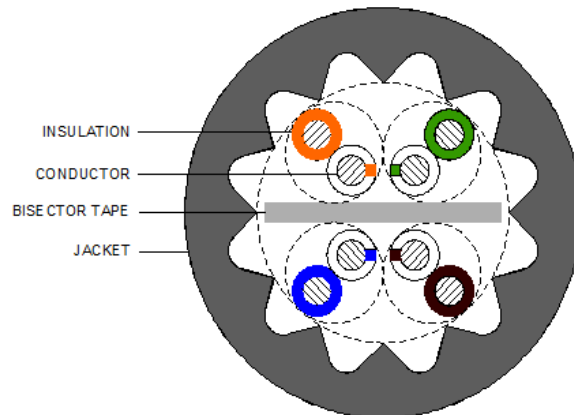


ANSI/TIA/EIA-568 Category 6A ISO/IEC 11801 Part Number: VPC6A C(ETL)US CMP

4 Twisted Pair Cable



Pair Identification

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

Material Types

Center Conductor	Solid Bare Copper
Insulation	FEP
Bisector Tape	Polyolefin
Jacket	FRPVC

Mechanical Specification

Conductor Size	23 AWG
Nominal Jacket OD	0.300"
Cable Weight	42.40 lbs/1000 ft
Nominal Jacket Thickness	0.053"
Installation Temperature	0°C to 60°C
Operation Temperature	-20°C to 60°C

Available Packaging: Reels



ANSI/TIA/EIA-568 Category 6A
ISO/IEC 11801
Part Number: VPC6A
C(ETL)US CMP

P.O. Box 520
 2620 Heart Drive
 Claremont, NC 28610
 Phone: (828) 464-4419
 Toll Free: (866) 366-5151
 Fax: (828) 464-0287

Electrical Properties

Freq. MHz	IL		NEXT		ACR		PSNEXT		PSACR		ACRF		PSACRF		RL		TCL	ELTCTL
	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Typ	Std	Std
1	2.1	1.8	74.3	91.0	72.2	89.2	72.3	89.0	70.2	87.3	67.8	84.5	64.8	82.5	20.0	33.0	40.0	35.0
4	3.8	3.5	65.3	83.1	61.5	79.6	63.3	81.0	59.5	77.5	55.8	72.6	52.8	70.5	23.0	34.6	40.0	23.0
8	5.3	5.0	60.8	79.0	55.4	73.9	58.8	76.9	53.4	71.8	49.7	66.6	46.7	64.4	24.5	37.3	40.0	16.9
10	5.9	5.6	59.3	76.6	53.4	71.0	57.3	74.7	51.4	69.1	47.8	64.7	44.8	62.5	25.0	38.4	40.0	15.0
16	7.5	7.1	56.2	73.6	48.8	66.5	54.2	71.5	46.8	64.3	43.7	60.6	40.7	58.2	25.0	39.6	38.0	10.9
20	8.4	8.0	54.8	73.0	46.4	65.0	52.8	71.0	44.4	63.0	41.8	58.6	38.8	56.2	25.0	38.9	37.0	9.0
25	9.4	9.0	53.3	70.6	44.0	61.7	51.3	68.8	42.0	59.8	39.8	56.5	36.8	54.2	24.3	38.7	36.0	7.0
31.25	10.5	10.1	51.9	68.7	41.4	58.7	49.9	66.9	39.4	56.8	37.9	54.4	34.9	52.1	23.6	39.3	35.1	
62.5	15.0	14.4	47.4	64.6	32.4	50.3	45.4	62.7	30.4	48.3	31.9	48.5	28.9	46.0	21.5	36.3	32.0	
100	19.1	18.4	44.3	60.2	25.2	41.9	42.3	58.7	23.2	40.4	27.8	44.5	24.8	42.2	20.1	35.8	30.0	
155	24.1	23.2	41.4	60.8	17.4	37.7	39.4	58.8	15.4	35.6	24.0	41.0	21.0	38.7	18.8	33.1	28.1	
200	27.6	26.5	39.8	56.8	12.2	30.4	37.8	55.0	10.2	28.5	21.8	38.5	18.8	36.3	18.0	33.0	27.0	
250	31.1	29.8	38.3	54.8	7.3	25.1	36.3	52.8	5.3	23.0	19.8	36.5	16.8	34.2	17.3	32.6	26.0	
300	34.3	32.9	37.1	53.4	2.9	20.5	35.1	51.4	0.9	18.5	18.3	35.0	15.3	32.5	16.8	32.5	25.2	
350	37.2	35.7	36.1	52.1	-1.1	16.4	34.1	50.1	-3.1	14.4	16.9	34.0	13.9	31.4	16.3	33.2	24.6	
400	40.1	38.2	35.3	50.4	-4.8	12.2	33.3	48.3	-6.8	10.1	15.8	32.0	12.8	30.0	15.9	34.2	24.0	
500	45.3	43.1	33.8	47.3	-11.4	4.2	31.8	45.5	-13.4	2.4	13.8	29.9	10.8	27.8	15.2	34.6	23.0	
650		49.8		43.1		-6.6		41.3		-8.4		27.4		25.1		27.2		

(All tests include swept frequency measurements)
 (Values above 500 MHz are for information purposes only)

Mutual Capacitance	6.0 nF/100 m @ 1 kHz
DC Resistance / Unbalance	7.61Ω/100m / 4% Maximum
Dielectric Breakdown	1500 Vac 2500 Vdc
Nominal Velocity of Propagation, NVP	66%
Maximum Operating Frequency	500 MHz

