

# iCAT-ITS® C400 Category 6 400 MHz Cable



**PART NUMBER:** CBL-C6-400-CMP-BU, WH

**CATEGORY:** Cat6, U/UTP Cable, 4 Pair Count, Plenum, 1000 Feet (400 MHz)

**TEST STANDARD:** UL/Cul Listed CMP, UL, ETL & 3P Verified to Standards, ISO/IEC – 1801, NEMA WC 63.1

## APPLICATIONS

10 Gigabit Ethernet (Under 50 Meters), 1 Gigabit Ethernet, 100 Megabit Ethernet, 10 Megabit Ethernet, Broadband Video, Voice (77 Channels; 400 MHz)

## MATERIAL DESCRIPTION

**Conductor:** 23AWG bare solid copper  
**Ripcord:** Under Jacket  
**Jacket:** FRPVC

## PRODUCT ELECTRICAL CHARACTERISTICS

**Impedance:** 100+/- 15ohms  
**Mutual Capitance (max nf/1000ft):** 17.1  
**DC Resistance (max Ohms 1000ft):** 28.6  
**DC Resistance Unbalance of a Pair:** 5% max  
**Propagation Delay Skew:** 25nS/100m max  
**Nominal Velocity of Propagation:** 66%  
**Attenuation-to-Crosstalk at 100MHz:** At 24.4db/min.  
 At 155Mhz: 16.2D/min  
 At 250 MHz: 5.3Bd/min.

Frequency (MHZ)	ATT Max	Next Min	ACR Min	PS NEXT Min	PS ACR Min	ELFEXT Min	PS ELFEXT Min	R.L. Min
1	2	74.3	72.3	72.3	70.3	67.8	64.8	20
4	3.8	65.5	61.5	63.3	59.5	55.7	52.7	23
8	5.4	60.8	55.4	28.8	53.4	49.7	46.7	24.5
10	6	59.3	53.3	57.3	51.3	47.8	44.8	25
16	7.6	56.3	48.7	54.3	46.7	43.7	40.7	25
20	8.5	54.8	46.3	52.8	44.3	41.7	38.7	25
25	9.6	53.3	43.7	51.3	41.7	39.8	36.8	24.3
31.25	10.7	51	41.2	49.9	39.2	37.9	34.9	23.6
62.5	15.5	47.4	31.9	45.1	29.9	31.8	28.8	21.5
100	19.9	44.3	24.4	42.3	22.4	27.8	24.8	20.1
155	25.3	41.5	16.2	39.5	14.2	23.9	20.9	18.8
200	29.2	39.8	10.6	37.8	8.6	22.4	18.7	18
250	33	38.3	5.3	36.3	3.3	19.8	16.8	17.3
300	26.4	37.2	.08	35.2	0	18.2	15.2	16.8
400	43	35.3	-	33.3	-	15.7	12.7	15.9

