217 Knickerbocker Ave. Bohemia, NY 11716
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Specification of Cat5e CCU

Center conductor: **0.51mm CCU, Cat5e**
Dielectric: **0.93mm**
Shielding:
Attenuation Values
Conductor:
Insulation material: **HP-PE**
Outer Jackets:**5.05**
Voltage rating: **2.5KV**
Pairs:
Nominal overall diameter:**5.10mm**
Reference Documents: **COMMSCOPE STANDARD**
UL Listed Specifications:
Standards:
Environmental Characteristics:
Temperature Rating:**20**
Installation:**FLUKE**
Operations:**QC**
Maximum installation tension: **2.5KV**
Minimum bending radius:**41**
Nominal cable weight:**3.1Kg/100m**
Nominal cable diameter:**5.10mm**
Electrical Parameters:
Mutual Capacitance:
Capacitance Unbalance: **200pF / Km**
Velocity of Propagation. **< = 0.62**
Max. Conductor D.C.R:**224**
Max. DCR Unbalance: **1.5%**
Max. Delay Skew:
Characteristic Impedance:**100+/-15 OMHS**

Cat5e Cable

- Category 5 Enhanced Cable
- 1000ft Pull box
- CCA(Copper Clad Aluminum)
- 4 Pairs / 24AWG
- Up to 350MHz
- UL Listed (E321263)
- ISO9001
- White/Blue/Grey/Orange

Frequency	SRL	Return Loss	Attenuation	NEXT	PS-NEXT
(MHz)	dB/100 m	dB	dB/100 m	dB	dB
	Minimum	Minimum	Maximum	Minimum	Minimum
1	23.0	20.0	2.0	70.3	68.3
4	23.0	23.0	4.1	61.2	59.2
10	23.0	25.0	6.4	55.2	53.3
16	23.0	25.0	8.1	52.2	50.2
20	23.0	25.0	9.1	50.7	48.7
31.25	21.1	23.6	11.4	47.8	45.8
62.5	18.1	21.5	16.4	43.3	41.3
100	16.0	20.1	21.0	40.3	38.3
155	14.1	18.8	26.8	37.4	35.4
200	13.0	18.0	31.0	35.7	33.7
300	11.2	16.8	39.2	33.1	31.1
350	10.6	16.3	43	32.1	30.1

	PS-ACR	
n	**dB/100 m**	
h	**Minimum**	**M**
	66.3	
	55.2	
	46.8	
	42.0	
	39.5	
	34.2	
	24.4	
	16.3	
	7.4	
	1.4	

Mutual Capacitance:	14 pF/ft nominal
Capacitance Unbalance:	330 pF/ft maximum
Velocity of Propagation:	70%
Max. Conductor D.C.R.:	28.6 ohm/1000 feet
Max. DCR Unbalance:	3%
Max. Delay Skew:	18 ns/100 m
Temperature Rating:	
- Installation:	0°C to 50°C
- Operation:	-10°C to 60°C
Maximum installing tension:	25 lb
Minimum bending radius:	1.0 inch
Nominal cable weight:	15 lb/1000 feet

Nominal cable diameter:	0.185 inch