

C6

Cat 6

Description

Category 6 Cable - Unshielded
 Solid Conductors - Non-Plenum



Construction

Conductor

Material: 23 AWG Bare Solid Copper

Insulation

Material: PE

Diameter: 0.039 in. Nominal

Pairing

2 Insulated Conductors twisted together
 with varied lay lengths.

Color Code

Pair#1: Blue and White/Blue
 Pair#2: Orange and White/Orange
 Pair#3: Green and White/Green
 Pair#4: Brown and White/Brown

Rip Cord

Nylon

UL Listing

Type CMR as Specified in Article 800 of the
 National Electric Code.

Jacket

Material: PVC

Colors: C6-BLK (Black), C6-BLU (Blue), C6-WHT (White)

Overall Diameter:

0.250 in. +/- (6.35mm)

Approximate Weight

33 lbs.

Electrical Characteristics

Max. Conductor DC Resistance:	28.6 ohms/1000ft
DC Resistance Unbalance:	< = 5%
Mutual Capacitance:	14 pF/ft
Pair-to-Ground Capacitance Unbalance:	330 pF/100m
Impedance:	100±15 ohm
Max. Delay Skew:	45 ns/100m
Velocity of Propagation:	70%

Frequency	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
MHz	dB	dB(100m)	dB	dB	dB	dB
	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum
1	20.0	2.0	80.3	78.3	73.8	70.8
4	23.0	3.8	71.3	69.3	61.8	58.8
10	25.0	6.0	65.3	63.3	53.8	50.8
16	25.0	7.6	62.2	60.2	49.7	46.7
20	25.0	8.5	60.8	58.8	47.8	44.8
31.25	23.6	10.7	57.9	55.9	43.9	40.9
62.5	21.5	15.4	53.4	51.4	37.9	34.9
100	20.1	19.8	50.3	48.3	33.8	30.8
200	18.0	29.0	45.8	43.8	27.8	24.8
250	17.3	32.8	44.3	42.3	25.8	22.8
300	16.8	36.4	43.1	41.1	24.3	21.3
350	16.3	39.8	42.1	40.1	22.9	19.9
400	15.9	43.0	41.3	39.3	21.8	18.8
500	14.8	49.5	40.2	38.2	20.0	17.0
550	14.4	53.1	39.5	37.5	18.9	15.9