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Category 6 Cable 4 Pair, 23 Awg, Solid Conductors

Features:

- 4 Pair, 23 Awg, Solid Conductors
- 500 MHz Rated
- Blue PVC Jacket
- Integrated Plastic Pair Separator
- Footage Marked
- UL Listed

Conductor: Solid Bare Copper
Gauge: 23 AWG
Conductor Dia. (+0.008/-0.01mm): 0.57mm

Insulation: HDPE
Average Thickness (+/-0.03mm): 0.22mm
Min. Point Thickness(mm): 0.21mm
Insulation Dia. (+/-0.03mm): 1.01mm
Twisting Lay Length(mm): <30mm
Cabling Lay Length(+/-20mm): 180mm

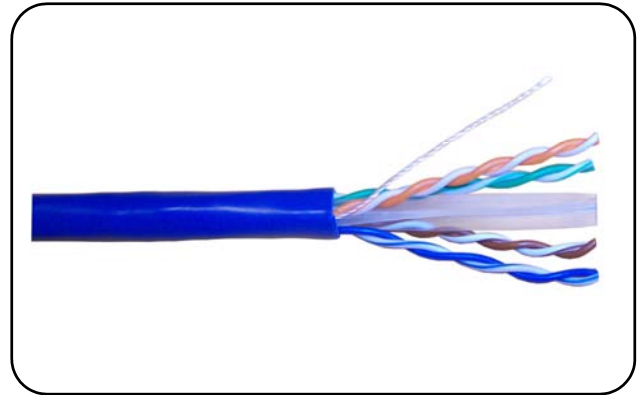
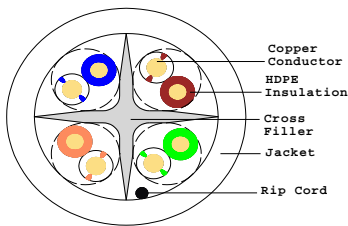
Jacket: PVC
Average Thickness(+/-0.1mm): 0.6mm
Min. Point Thickness(mm): 0.5mm
Outer Dia.(+/-0.3mm): 6.7mm
Rip Cord:

Insulation Colors:

White-Blue/Blue
White-Orange/Orange
White-Green/Green
White-Brown/Brown

Mechanical Characteristics:

Impedance:
1.0 - 250.0 MHz: 100+/-15 Ohms
250.0 - 500.0 MHz: 100+/-22 Ohms
Delay Skew (ns/100m): 45
Pair-to-Ground Cap. Unbal. (pF/100m): 300
Max. Cond. DC Res. 20°C (Ohms/km): 78
Resistance Unbalance (%): 2.5
Temperature rating: 75 Deg. C
Reference Standard: ANSI/TIA568B.2
Listings: UL, CM



Electrical Characteristics:

Frequency (MHz)	RL (dB)	Attenuation (dB/100m)	PS NEXT (dB)
1	20.0	1.85	72.3
4	23.0	3.70	63.3
8	24.5	5.25	58.8
10	25.0	5.90	57.3
16	25.0	7.50	54.2
20	25.0	8.43	52.8
25	24.3	9.46	51.3
31.25	23.6	10.64	49.9
62.5	21.5	15.35	45.4
100	20.1	19.78	42.3
200.0	18.0	29.00	37.8
250.0	17.3	32.83	36.3
300.0	16.7	-	35.1
350.0	16.2	-	34.1
400.0	15.8	-	33.2
500.0	15.2	-	31.8

Frequency (MHz)	NEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	DOP (ns/100m)
1	74.3	67.8	64.8	570.0
4	65.3	55.8	52.8	552.0
8	60.8	49.7	46.7	546.7
10	59.3	47.8	44.8	545.4
16	56.2	43.7	40.7	543.0
20	54.8	41.8	38.8	542.0
25	53.3	39.8	36.8	541.2
31.25	51.9	37.9	34.9	540.4
62.5	47.4	31.9	28.9	538.6
100	44.3	27.8	24.8	537.6
200.0	39.8	21.8	18.8	536.5
250.0	38.3	19.8	16.8	536.3
300.0	37.1	-	-	536.0
350.0	36.1	-	-	535.9
400.0	35.2	-	-	535.7
500.0	33.8	-	-	535.6

Ordering Information:

CAT6-BX-BL Cat6, 1,000' Pull Box, Blue Jacket

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