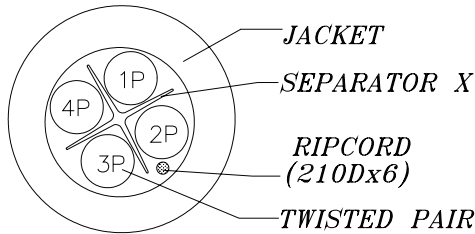


PRODUCT SPECIFICATION: **CAT 6/550Mhz**

CROSS SECTION



COLOR & PACKAGING

Component: P1: Blue & White/Blue
P2: Orange & White/Orange
P3: Green & White/Green
P4: Brown & White/Brown

Jacket: Blue (Pantone: 3005U)
White (Pantone: White)
Yellow (Pantone: Yellow U)
Gray (Pantone: 430C)
Green (Pantone: 334U)

Packaging: 1000ft BMP box

MARKING

Jacket Marking (Black)
ICE CABLE SYSTEMS CATEGORY 6 550MHZ CMR ETL VERIFIED TO TIA/EIA-568-B.2-1 E312434-22 (UL) CMR OR c(UL) CMG FT4 75C 23AWG 4PR UTP APP:
DATA PHONE ROOM: ENT KIT NK FAM LR DR POWD OFF POO PAT MBR MBA BR1 BR2 BR3 BR4 BR5 GAR GYM OTHER WALL:N S E W
JACK: 1 2 3 4 5 6 USE: KPAD TPAD LAN TEL "RoHS" XXXX/XXXX FT
"XXXX/XXXX" Stands for Length.
ie: 0000/1000; 0004/0996; 0008/0992...

PERFORMANCE

Electrical Characteristics: (20°C)
Voltage: 300 Volts RMS
Temperature: -20°C to 75°C
Dielectric Strength: AC-500V/1 Min

Mechanical Characteristics:
Test Object: Jacket
Test Material: PVC
Before Tensile Strength (kg/mmP^{2p}): ≥1.05

DESCRIPTION

Rated Voltage (V)	300
Rated Temperature (°C)	75
Product Standard Certification	(UL) CMR or c(UL) CMG
Flame test	CMR & FT4

Application:
Telephone and other communication circuits such as voice, data, and audio for on-premise customer systems.

Reference Standard:
UL 444 & the customer's specification

CONSTRUCTION

Conductor:	Solid Bare Copper
Component: 4 Twisted Pair	8C
AWG	23
Construction (mm)	1/0.574
Stranded Dia. (mm)	0.574 +/- .005
Insulation:	HDPE
Nom. Thickness (mm)	0.21
Insulation Dia. (±0.05mm)	1.01 +/- .02
Ripcord:	210Dx6 nylon thread
Jacket:	PVC (RoHS)
Nom. Thickness (mm)	0.51 +/- .05
Outer Dia. (±0.10mm)	5.8 +/- 0.3

REVISION HISTORY



1521 Pontius Ave., Los Angeles, CA 90025
Email: info@icecable.com Web: http://www.icecable.com
Tel: 310.444.1950 Fax: 310.444.1966

Sample No.	-	Spec No.	51144-B
Revision	B		
Date	04/27/2011	Page	1 of 2
Designed by	Approved by		
BR	Brian Rizzo		



ELECTRICAL CHARACTERISTICS:

- a. Conductor resistance: Max. 9.38 ohms/100m at 20°C;
- b. D-C Resistance Unbalance: Max. 2.5%;
- c. Pair-to-Ground Capacitance Unbalance: Max. 330 pF/100m;
- d. Characteristic Impedance (1-250MHz): 100 +/- 15 ohms/18 ohms/20 ohms/22ohms
- e. Propagation Delay Skew (1-250MHz): Max. 45ns/100m;
- f. Mutual capacitance: 46-56 pF/M

Test report: Pair1=52.6pF/M. Pair2=51.2pF/M. Pair3=53.4pF/M. Pair4=50.5pF/M

g. Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB/100m)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	RL (dB)	DELAY (ns/100m)	VOP (%)	ACR (dB)Min
0.772	1.8	76.0	74.0	70.0	67.0	19.4	575.0	-	-
1	2.0	74.3	72.3	67.8	64.8	20.0	570.0	58.5	72.3
4	3.8	65.3	63.3	55.8	52.8	23.0	552.0	60.4	61.5
8	5.3	60.8	58.8	49.7	46.7	24.5	546.7	61.0	55.5
10	6.0	59.3	57.3	47.8	44.8	25.0	545.0	61.1	53.3
16	7.6	56.2	54.2	43.7	40.7	25.0	543.0	61.4	48.6
20	8.5	54.8	52.8	41.8	38.8	25.0	542.0	61.5	45.9
25	9.5	53.3	51.3	39.8	36.8	24.3	541.2	61.6	43.8
31.25	10.7	51.9	49.9	37.9	34.9	23.6	540.4	61.7	41.2
62.50	15.4	47.4	45.4	31.9	28.9	21.5	538.6	61.9	32.0
100	19.8	44.3	42.3	27.8	24.8	20.1	538.0	62.0	20.5
200	29.0	39.8	37.8	21.8	18.8	18	536.5	62.1	10.8
250	32.8	38.3	36.3	19.8	16.8	17.3	536.0	62.1	5.5
450	46.0	34.5	32.5	14.7	11.7	15.5	535.7	62.2	-
550	51.8	33.2	31.2	13.0	10.0	14.9	535.6	62.2	-



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Sample No.	-	Spec No.	51144-A
Revision	A		
Date	08/22/2007	Page	2 of 2
Designed by	Approved by		
BR	Brian Rizzo		