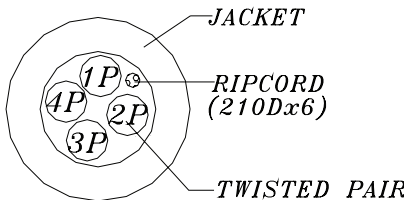


PRODUCT SPECIFICATION:		Cat 5e/Outdoor	
CROSS SECTION		COLOR & PACKAGING	
		Insulation: PVC Component: P1: Blue & White/Blue P2: Orange & White/Orange P3: Green & White/Green P4: Brown & White/Brown Jacket: Black (Pantone: black) Packaging: 1000ft BMP Box	
MARKING		PERFORMANCE	
Jacket Marking (White) ICE CABLE SYSTEMS CATEGORY 5E 350MHz OUTDOOR ETL VERIFIED TO TIA/EIA-568-B.2 E312434-22 (UL) CMX OUTDOOR TYPE CMR OR c(UL)us CMG FT4 75C - 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. eg: 0000/1000; 0004/0996, etc.		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 ²) ≥1.05	
DESCRIPTION		 1521 Pontius Ave., Los Angeles, CA 90025 Email: info@icecable.com Web: http://www.icecable.com Tel: 310.444.1950 Fax: 310.444.1966	
Rated Voltage (V) 300 Rated Temperature (°C) 75 Product Standard Certification c (UL) CMX OUTDOOR-TYPE CMR OR ETL US 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 24 Construction (mm) 1/0.511 Solid Dia. (±0.005 mm) 0.511 Insulation: PE Nom. Thickness (mm) 0.19 Insulation Dia. (±0.05mm) 0.925 Ripcord: 210Dx6 nylon thread Jacket: Linear PE Nom. Thickness (mm) 0.80 Outer Dia. (±0.10mm) 5.6			
REVISION HISTORY			

ELECTRICAL CHARACTERISTICS:

- a. Conductor resistance: Max. 9.38 ohms/100m at 20°C;
- b. D-C Resistance Unbalance: Max. 5%;
- c. Pair-to-Ground Capacitance Unbalance: Max. 330 pF/100m;
- d. Characteristic Impedance (1-100MHz): 100 +/- 15 ohms;
- e. Propagation Delay Skew (1-100MHz): Max. 45ns/100m;
- f. Mutual capacitance: 46-56 pF/M

Test report: Pair1=49.9pF/M. Pair2=49.6pF/M. Pair3=51.6pF/M. Pair4=49.1pF/M

g. Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB/100m)	ACR (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB/100m)	RL (dB)	DELAY (ns/100m)
0.772	1.8	67.0	65.2	64.0	66.0	63.0	19.4	575.0
1	2.0	65.3	63.3	62.3	63.8	60.8	20.0	570.0
4	4.1	56.3	52.2	53.3	51.7	48.7	23.0	552.0
8	5.8	51.8	46.0	48.8	45.7	42.7	24.5	546.7
10	6.5	50.3	43.8	47.3	43.8	40.8	25.0	545.0
16	8.2	47.3	39.1	44.4	39.7	36.7	25.0	543.0
20	9.3	45.8	36.5	42.8	37.7	34.7	25.0	542.0
25	10.4	44.3	33.9	41.3	35.8	32.8	24.3	541.2
31.25	11.7	42.9	31.2	39.9	33.9	30.9	23.6	540.4
62.50	17.0	36.4	19.4	35.4	27.8	24.6	21.5	538.6
100	22.0	35.3	13.3	32.3	23.8	20.8	20.1	538.0
200	32.4	30.8	-	27.8	17.8	14.8	18.0	536.6
300	41.0	28.2	-	25.2	14.3	11.3	16.8	536.1
350	44.9	27.2	-	24.2	12.9	9.9	16.3	535.9



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Date	07/28/2007	Page	2 of 2
Designed by	Approved by		
BR	Brian Rizzo		