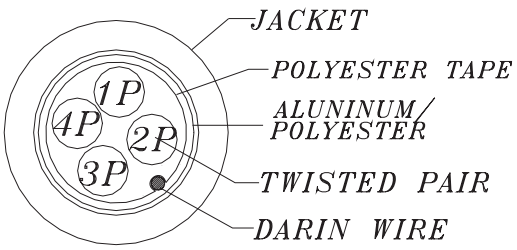
PRODUCT SPECIFICATION:	CAT 5E/SHLD-BLU

CROSS SECTION



MARKING

Jacket Marking (Black)

ICE CABLE SYSTEMS CATEGORY 5E 350MHZ SHIELDED
VERIFIED TO TIA/EIA-568-B.2 E312434-22 UL OR c(UL) CMR
75C 24AWG 4PR STP 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...

DESCRIPTION

Rated Voltage (V)	300
Rated Temperature (°C)	75
Product Standard Certification	ETL CMR
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. (±0.005mm)	0.511
Insulation:	PE
Nom. Thickness (mm)	0.24
Insulation Dia. (±0.05mm)	1.05
Shield	Polyester Tape
Coverage (%)	≥125%
Drain wire	7/0.20TG
Shield	Aluminum/Polyester
Coverage (%)	≥125%
Jacket:	PVC
Nom. Thickness (mm)	0.50
Outer Dia. (±0.10mm)	6.5mm

REVISION HISTORY

COLOR & PACKAGING

Insulation: PVC

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

Jacket: Blue (Pantone: 130U)

Packaging: 1000ft BMP box

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^2)	≥1.05

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

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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. 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.

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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