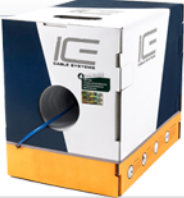
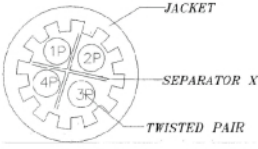


Product Specification



<p>Cat 6A</p>	<p>Cross Section</p>	<p>Packaging</p>
<p>Spec No: S-016</p> <p>Date: 6/01/17</p> <p>Approved By: Brian Rizzo</p> 		<p>Spool 1000 Ft.</p> <p>Colors</p> <p>Pantone 3005U</p>

Description

Communication circuits such as voice, data and audio for on-premise customer systems.

Description

Rated Voltage (V)	300 V
Rated Temperature (°C)	75°C

Dimensions (in):	15" x 15" x 15"
Dimensions (mm):	380mm x 380mm x 380mm
Weight (lbs):	53

Construction

Insulation	1P Blu / Blu-Wht 2P: Org / Org-Wht 3P: Grn / Grn-Wht 4P: Brn / Brn-Wht
Construction	Conductor Material: Solid Bare Oxygen Free Copper Conductor Size: 23AWG 0.574mm±0.006
Insulation Material	HDPE
Insulation Diameter	1.05mm ±0.03mm
Rip Cord	Nylon (150D)
Jacket Material	PVC
Jacket Diameter	8.5mm ± 0.2mm
Normal Thickness	0.65mm

Electrical Characteristics

Freq. (Mhz)	RL (dB)	Atten. (dB/100m)	Next (dB)	PSANEXT (dB)	TPSAACRF (dB)	PsNext (dB)	ElFext (dB/100m)	PsElFext (dB/100m)	Dop (ns/100m)
1	20.00	2.1	74.3	67.0	67.0	72.3	67.8	64.8	570.0
4	23.00	3.8	65.3	67.0	66.2	63.3	55.8	52.8	552.0
8	24.5	5.3	60.8	67.0	60.1	58.8	49.7	46.7	546.7
10	25.0	6.0	59.3	67.0	58.2	57.3	47.8	44.8	545.4
16	25.0	7.6	56.2	67.0	54.1	54.2	43.7	40.7	543.0
20	25.0	8.5	54.8	67.0	52.2	52.8	41.8	38.8	542.0
25	24.3	9.5	53.3	67.0	50.2	51.3	39.8	36.8	541.2
31.25	23.64	10.5	51.9	67.0	48.3	49.9	37.9	34.9	540.4
62.5	21.5	15.0	47.4	65.6	42.3	45.4	31.9	28.9	538.6
100	20.1	19.1	44.3	62.5	38.2	42.3	27.8	24.8	537.6
200	18	27.6	39.8	58.0	32.2	37.8	21.8	18.8	536.5
250	17.32	31.1	38.3	56.5	30.2	36.3	19.8	16.8	536.5
300	16.8	34.3	37.1	55.3	28.7	35.1	18.3	15.3	536.5
400	15.9	35.3	35.3	53.5	26.2	33.3	15.8	12.8	536.5
550	15.2	33.8	33.8	52.0	24.2	31.8	13.8	10.8	536.5

*Sequential footmarks applied every four feet in conjunction with the print legend.
"XXX/XXX" Stands for Length. eg: 000/1000; 004/0996; 008/0992...*

Mechanical Characteristics

Test object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	≥13.8
Aging Elongation	(%≥100)
Aging Condition (°CxHrs)	100x48
After Tensile Strength (Mpa)	≥80% of unaged
Aging Elongation	(%≥50% of unaged)
Cold Bend	(-20+/-2x4hrs) No crack
DC Resistance	≤73.2 Ohms/KM

Compliance

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Jacket Marking (Black)

ICE CABLE SYSTEMS CATEGORY 6A 500MHZ ETL VERIFIED TO TIA/EIA-568-B.2-1 E312434-77 (UL) OR c(UL) CMR 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