



217 Knickerbocker Ave. Bohemia NY 11716

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PRODUCTION SPECIFICATION SHEET

for UTP CAT5E CM 24AWG CABLE

Configuration & physical Characters:		Electric Characters:			Premise Cable Electrical Table(TIA Cat 5E Perm.Link)									
Type of cable	UTP	1.Spark Test	2000±250VOC	Freq (Mhz)	Insert loss(dB)	NEXT (dB)	RL (dB)	RCA-N(dB)	ACR-F (dB)	PSNEX T(dB)	PSACR N (dB)	PSACRF (dB)		
Length per reel	1000ft	2.Mutual Capacitance	560pF/100m Max	1	3.0	60.0	19.0	57.0	58.6	57.0	54.0	55.6		
Number of pairs	4	3.Conductor Resistance	MAX 9.38Ω/100m at 20°C	4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6		
Field of application	indoor	4.Capacitance Unbalance	MAX 330pF/100m	8	5.5	50.0	19.0	44.5	40.6	47.0	41.5	37.6		
Category	Cat.5E	5. Resistance Unbalance	MAX 3%	10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6		
Flame Rating:		6.Impedance	100±15Ω	16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5		
Conductor	Material	Bare Copper		20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6		
	Size	24AWG 1/0.485±0.015 mm		25	10.0	42.1	18.0	32.1	30.7	39.1	29.1	27.7		
Insulation	Material	HD-PE		31.25	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7		
	Thickness	MIN at any point: 0.19mm MAX AVG: 0.21mm		62.5	16.2	35.7	14.1	19.4	22.7	32.7	16.4	19.7		
	Diameter	0.88± 0.01mm		100	21.0	32.3	12.0	11.3	18.6	29.3	8.3	15.6		
	Color code	Blue/White-Blue												
		Orange/White-Orange												
		Green/White-Green												
		Brown/White-Brown												
Elongation	MIN 300%													
Tensile strength	MIN 1.682Kg/mm2													
Jacket	Material	CM PVC	Marking: per request											
	Thickness	MIN at any point: 0.46mm MAX AVG: 0.50mm												
	Diameter	5.0±0.2mm												
	Colors	per request												
	Aging at 100°C for 168Hrs	MIN ELONGATION RETENTION:50%												
MIN TENSILE STRENGTH RETENTION:75%														
DIMENSIONS ARE IN mm	TOLERANCES ARE	DRAWN Jason	APPROVED	REV.	P/N:									
	FRACTIONS DECIMALS ANGLES	DATE 02/13/2013	DATE	A	DESCRIPTION UTP CAT5E CM 24AWG CABLE									
MOLD NO.	.X±0.20	SHEET OF			Security Dynamics Inc.									
	.XX±0.12	SIZE A4	SCALE N.T.S											