



PRODUCTION SPECIFICATION SHEET

for UTP CAT5E CMP 24AWG CABLE																
Configuration & physical Characters:			Electric Characters:		Premise Cable Electrical Table(TIA Cat 5E Perm.Link)											
Type of cable	UTP				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		1.Spark Test	2000±250VOC	1	3.0	60.0	19.0	57.0	58.6	57.0	54.0	55.6			
Number of pairs	4		2.Mutual Capacitance	560pF/100m Max	4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6			
Field of application	indoor		3.Conductor Resistance	MAX 9.38Ω/100m at 20°C	8	5.5	50.0	19.0	44.5	40.6	47.0	41.5	37.6			
Category	Cat.5E				10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6			
Flame Rating:			4.Capacitance Unbalance	MAX 330pF/100m	16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5			
Conductor	Material	Bare Copper	5. Resistance Unbalance	MAX 3%	20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6			
	Size	24AWG 1/0.49±0.015 mm	6.Impedance	100±15Ω	25	10.0	42.1	18.0	32.1	30.7	39.1	29.1	27.7			
Insulation	Material	FEP			31.25	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7			
	Thickness	MIN at any point: 0.16mm MAX AVG: 0.19mm			62.5	16.2	35.7	14.1	19.4	22.7	32.7	16.4	19.7			
	Diameter	0.84± 0.01mm;0.83± 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 200%															
Tensile strength	MIN 1.755Kg/mm2															
Jacket	Material	CMP PVC	Marking: per request													
	Thickness	MIN at any point: 0.4mm MAX AVG: 0.44mm														
	Diameter	4.5±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:						
MOLD NO.		FRACTIONS DECIMALS ANGLES		DATE 03/13/2013		DATE		A		DESCRIPTION UTP CAT5E CMP 24AWG CABLE						
		.X±0.20		SHEET OF												
		.XX±0.12		SIZE A4		SCALE N.T.S										

Security Dynamics Inc.