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**PRODUCTION SPECIFICATION SHEET**

for UTP CAT6 CMP 23AWG CABLE														
Configuration & physical Characters:			Electric Characters:		Premise Cable Electrical Table(TIA Cat 6 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	65.0	19.1	62.0	64.2	62.0	59.0	61.2	
Number of pairs	4		2. Mutual Capacitance	560pF/100m Max	4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1	
Field of application	indoor		3. Conductor Resistance	MAX 9.38Ω/100m at 20°C	8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1	
Category	Cat.6		4. Capacitance Unbalance	MAX 330pF/100m	10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2	
Flame Rating:			5. Resistance Unbalance	MAX 5%	16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1	
Conductor	Material	Bare Copper	6. Impedance	100±15Ω	20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2	
	Size	23AWG 1/0.56/0.58±0.015 mm			25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2	
Insulation	Material	FEP			31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3	
	Thickness	MIN at any point: 0.18mm MAX AVG: 0.23mm			62.5	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3	
	Diameter	1.01± 0.01mm; 0.96± 0.01mm; 0.945± 0.01mm			100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2	
	Color code	Blue/White-Blue			200	27.4	36.9	11.0	9.6	18.2	34.3	7.0	15.2	
		Orange/White-Orange			250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2	
		Green/White-Green												
		Brown/White-Brown												
	Elongation	MIN 200%												
	Tensile strength	MIN 1.755Kg/mm2												
Jacket	Material	CMP PVC	Marking: per request		<b>Standard: ISO/IEC 11801; ANSI/TIA-568-C.2; UL 444</b> <b>Test : Perm.Link test by fluke 90+/-5m</b>									
	Thickness	MIN at any point: 0.41mm MAX AVG: 0.45mm												
	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 03/13/2013	DATE	A	DESCRIPTION UTP CAT6 CMP 23AWG CABLE									
MOLD NO.	.X±0.20	SHEET OF												
	.XX±0.12	SIZE A4	SCALE N.T.S											

**Security Dynamics Inc.**