



PRODUCTION SPECIFICATION SHEET

for UTP CAT6 CM 23AWG CABLE

Configuration & physical Characters:			Electric Characters:		Premise Cable Electrical Table(TIA Cat 6 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	65.0	19.1	62.0	64.2	62.0	59.0	61.2		
Number of pairs	4		3.Conductor Resistance	MAX 9.38Ω/100m at 20°C	4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1		
Field of application	indoor		4.Capacitance Unbalance	MAX 330pF/100m	8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1		
Category	Cat.6				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 1/0.54±0.015 mm			25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2		
Insulation	Material	HD-PE			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: 0.22mm			62.5	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3		
	Diameter	0.94± 0.01mm;0.96± 0.01mm;0.98± 0.01mm;1.00± 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 300%														
Tensile strength	MIN 1.682Kg/mm2														
FILLER	CROSS SLOT	4.8x0.45mm													
Jacket	Material	CM PVC	Marking: per request												
	Thickness	MIN at any point: 0.53mm MAX AVG: 0.57mm													
	Diameter	6.0±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 CM 23AWG CABLE									
MOLD NO.	.X±0.20		SHEET OF												
	.XX±0.12		SIZE A4		SCALE N.T.S										

Security Dynamics Inc.