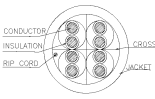




PRODUCTION SPECIFICATION SHEET

for UTP CAT6A CM 23AWG CABLE												
Configuration & physical Characters:			Electric Characters:		Premise Cable Electrical Table(TIA Cat 6A Perm.Link)							
Type of cable	UTP				Freq (Mhz)	Insert loss(dB)	NEXT (dB)	RL (dB)	ACR-F (dB)	PS NEXT(dB)	PS ACR-F(dB)	
Length per reel	1000ft		1.Spark Test	2000±250VOC	1	3.0	65.0	19.1	64.2	62.0	61.2	
Number of pairs	4		2.Mutual Capacitance	560pF/100m Max	4	3.5	64.1	21.0	52.1	61.8	49.1	
Field of application	indoor		3.Conductor Resistance	MAX 9.38Ω/100m at 20°C	8	5.0	59.4	21.0	46.1	57.0	43.1	
Category	Cat.6A		4.Capacitance Unbalance	MAX 330pF/100m	10	5.5	57.8	21.0	44.2	55.5	41.2	
Flame Rating:			5. Resistance Unbalance	MAX 5%	16	7.0	54.6	20.0	40.1	52.2	37.1	
Conductor	Material	Bare Copper	6.Impedance	100±15Ω	20	7.8	53.1	19.5	38.2	50.7	35.2	
	Size	23AWG 1/0.571±0.015 mm			25	8.8	51.5	19.0	36.2	49.1	33.2	
Insulation	Material	HD-PE			31.25	9.8	50.0	18.5	34.3	47.5	31.3	
	Thickness	MIN at any point: 0.22mm MAX AVG: 0.25mm			62.5	14.0	45.1	16.0	28.3	42.7	25.3	
	Diameter	1.03± 0.01mm; 1.05± 0.01mm			100	18.0	41.8	14.0	24.2	39.3	21.2	
	Color code	Blue/White-Blue			200	26.1	36.9	11.0	18.2	34.3	15.2	
		Orange/White-Orange			250	29.5	35.3	10.0	16.2	32.7	13.2	
		Green/White-Green			350	35.6	31.8	8.6	13.3	29.1	10.3	
		Brown/White-Brown			500	43.8	26.7	8.0	10.2	23.8	7.2	
Elongation	MIN 300%			Standard:		ISO/IEC 11801; ANSI/TIA-568-C.2;UL 444						
Tensile strength	MIN 1.682Kg/mm2			Test :		Perm.Link test by fluke 90+/-5m						
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	6.2±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 10/17/2012	DATE	A	DESCRIPTION UTP CAT6A CM 23AWG CABLE						
MOLD NO.	.X±0.20	SHEET OF										
	.XX±0.12	SIZE A4		SCALE N.T.S								

Security Dynamics Inc.