



217 Knickerbocker Ave. Bohemia NY 11716 Tel: 631-392-1701

**PRODUCTION SPECIFICATION SHEET**

for UTP CAT5E CMR 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 1/0.490±0.015 mm			25	10.0	42.1	18.0	32.1	30.7	39.1	29.1	27.7																							
Insulation	Material	POLYOLEFIN			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	CMR PVC	Marking: per request		<table border="1"> <tr> <td colspan="2">Standard:</td> <td colspan="6">ISO/IEC 11801; ANSI/TIA-568-C.2;UL 444</td> </tr> <tr> <td colspan="2">Test :</td> <td colspan="6">Perm.Link test by fluke 90+/-5m</td> </tr> <tr> <td colspan="2">Edition:</td> <td colspan="6">OR</td> </tr> </table>								Standard:		ISO/IEC 11801; ANSI/TIA-568-C.2;UL 444						Test :		Perm.Link test by fluke 90+/-5m						Edition:		OR					
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	Test :												Perm.Link test by fluke 90+/-5m																							
	Edition:												OR																							
	Thickness	MIN at any point: 0.53mm MAX AVG: 0.57mm																																		
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 CMR 24AWG CABLE																													
MOLD NO.		.X±0.20	SHEET OF																																	
		.XX±0.12	SIZE	A4	SCALE	N.T.S																														

Security Dynamics Inc.