

PRODUCTION SPECIFICATION SHEET

UTP CAT5E 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)	PSACR F(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%	Marking: per request			Standard: ISO/IEC 11801; ANSI/TIA-568-C.2;UL 444 Test : Perm.Link test by fluke 90+/-5m									
Tensile strength	MIN 1.682Kg/mm ²													
Jacket	Material	CMR PVC												
	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 24AWG CABLE						
MOLD NO.		.X±0.20		SHEET OF										
		.XX±0.12		SIZE A4		SCALE N.T.S								