



PRODUCTION SPECIFICATION SHEET

for UTP CAT5E 24AWG CABLE																
Configuration & physical Characters:			Electric Characters:		Premise Cable Electrical Table(TIA Cat 5E 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)	PSAC RF(dB)			
Length per reel	305M		1.Spark Test	2000±250VOC	1	3.0	60.0	19.0	57.0	58.6	57.0	54.0	55.6			
Number of pairs	4		2.Mutual Capacitance	560pF/100m Max	4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6			
Field of application	indoor		3.Conductor Resistance	MAX 9.38Ω/100m at 20°C	8	5.5	50.0	19.0	44.5	40.6	47.0	41.5	37.6			
Category	Cat.5E		4.Capacitance Unbalance	MAX 330pF/100m	10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6			
Flame Rating:	/		5. Resistance Unbalance	MAX 3%	16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5			
Conductor	Material	Bare Copper	6.Impedance	100±15Ω	20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6			
	Size	24AWG 1/0.476±0.005mm			25	10.0	42.1	18.0	32.1	30.7	39.1	29.1	27.7			
Insulation	Material	HD-PE			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	0.86±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%			Standard:		ISO/IEC 11801; ANSI/TIA-568-C.2;UL 444										
Tensile strength	MIN 1.682Kg/mm ²			Test :		Perm.Link test by fluke 85+/-5m										
Jacket	Material	PVC	Marking: per request Marking: Cattex CONFORM TO ANSI/TIA-568-C.2 AND ISO/IEC 11801 UTP CAT5E E213738 CMX (UL) C(UL) 4P 24AWG xxxM													
	Thickness	MIN at any point: 0.48mm MAX AVG: 0.56mm														
	Diameter	4.9±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 10/17/2022	DATE	A	DESCRIPTION UTP CAT5E 24AWG CABLE											
MOLD NO.	.X±0.20	SHEET OF														
	.XX±0.12	SIZE A4	SCALE N.T.S													