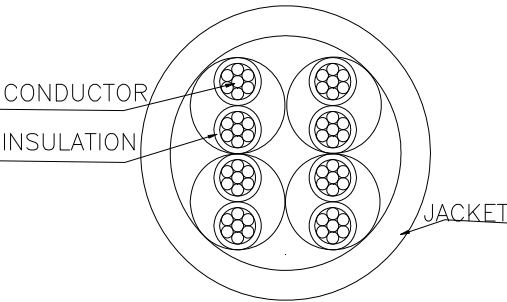


PRODUCTION SPECIFICATION SHEET

for UTP CAT6 24AWG STRANDED CABLE															
Configuration & physical Characters:			Electric Characters:		Premise Cable Electrical Table(TIA Cat 6 Channel)										
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			2. Impedance	100±15Ω	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3		
Number of pairs	4		3. Conductor Resistance	MAX8.76Ω/100m at 20°C	4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2		
Field of application	indoor		4. Mutual Capacitance	560pF/100m Max	8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2		
Category	Cat.6		5. Capacitance Unbalance	MAX 330pF/100m	10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3		
Flame Rating:			6. Resistance Unbalance	MAX 3%	16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2		
Conductor	Material	Bare Copper			20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2		
	Size	24AWG 7/0.191±0.015 mm			25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3		
Insulation	Material	HD-PE			31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4		
	Thickness	MIN at any point: 0.178mm MAX AVG: 0.218mm			62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3		
	Diameter	1.04± 0.01mm 0.96± 0.01mm			100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3		
	Color code	Blue/White-Blue			CONDUCTOR INSULATION JACKET	200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2	
		Orange/White-Orange				250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3	
		Green/White-Green													
		Brown/White-Brown													
Elongation	MIN 300%														
Tensile strength	MIN 1.682Kg/mm ²														
Jacket	Material	CMR PVC													
	Thickness	MIN at any point: 0.53mm MAX AVG: 0.59mm													
	Diameter	5.6±0.3mm													
	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 09/27/2016	DATE	A	DESCRIPTION UTP CAT6 24AWG STRANDED CABLE									
MOLD NO.	.X±0.20	SHEET OF													
	.XX±0.12	SIZE A4	SCALE N.T.S												