

PRODUCTION SPECIFICATION SHEET

UTP CAT6 CMR 23AWG CABLE (UL Listed)

Configuration & physical Characters:			Electric Characters:		Premise Cable Electrical Table(TIA Cat 6 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	65.0	19.1	62.0	64.2	62.0	59.0	61.2			
Number of pairs	4		3.Conductor Resistance	MAX 9.38Ω/100m at 20°C	4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1			
Field of application	indoor		4.Capacitance Unbalance	MAX 330pF/100m	8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1			
Category	Cat.6				10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2			
Flame Rating:			5. Resistance Unbalance	MAX 5%	16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1			
Conductor	Material	Bare Copper	6.Impedance	100±15Ω	20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2			
	Size	23AWG 1/0.54±0.015 mm			25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2			
Insulation	Material	POLYOLEFIN			31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3			
	Thickness	MIN at any point: 0.18mm MAX AVG: 0.22mm			62.5	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3			
	Diameter	0.94± 0.01mm;0.96± 0.01mm;0.98± 0.01mm;1.00± 0.01mm			100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2			
	Color code	Blue/White-Blue			CONDUCTOR	INSULATION	CROSS	200	27.4	36.9	11.0	9.6	18.2	34.3	7.0	15.2
		Orange/White-Orange			RIP CORD	JACKET	250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2	
		Green/White-Green														
		Brown/White-Brown														
Elongation	MIN 300%															
Tensile strength	MIN 1.682Kg/mm ²															
FILLER	CROSS SLOT	4.8x0.45mm														
Jacket	Material	CMR PVC	Marking: per request													
	Thickness	MIN at any point: 0.54mm MAX AVG: 0.58mm														
	Diameter	6.0±0.2mm														
	Colors	per request														
	Aging at 100°C for 168Hrs	MIN ELONGATION RETENTION:50% MIN TENSILE STRENGTH RETENTION:75%														
DIMENSIONS ARE IN mm			DRAWN Jason		APPROVED		REV.		P/N:							
MOLD NO.			DATE 03/13/2013		DATE		A		DESCRIPTION UTP CAT6 CMR 23AWG CABLE							
			SHEET OF													
			SIZE A4		SCALE N.T.S											