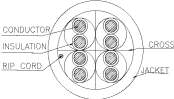




217 Knickerbocker Ave Bohemia NY 11716
Tel-631-392-1701 Fax- 631-392-1702

PRODUCTION SPECIFICATION SHEET

for UTP CAT6 CMR 23AWG CABLE

Configuration & physical Characters:			Electric Characters:		Premise Cable Electrical Table(TIA Cat 6 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)	PSACRF (dB)
Length per reel		1000ft	1.Spark Test	2000±250VOC	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2
Number of pairs		4	2.Mutual Capacitance	560pF/100m Max	4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1
Field of application		indoor	3.Conductor Resistance	MAX 9.38Ω/100m at 20°C	8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1
Category		Cat.6	4.Capacitance Unbalance	MAX 330pF/100m	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	MAX 5%	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			200	27.4	36.9	11.0	9.6	18.2	34.3	7.0	15.2
		Orange/White-Orange			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%	Standard: ISO/IEC 11801; ANSI/TIA-568-C.2;UL 444											
Tensile strength	MIN 1.682Kg/mm2												
FILLER	CROSS SLOT	4.8x0.45mm	Test : Perm.Link test by fluke 90+/-5m										
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		TOLERANCES ARE	DRAWN Jason	APPROVED	REV.	P/N:							
	FRACTIONS DECIMALS ANGLES		DATE 03/13/2013	DATE	A	DESCRIPTION UTP CAT6 CMR 23AWG CABLE							
MOLD NO.	.X±0.20		SHEET OF										
	.XX±0.12		SIZE A4	SCALE N.T.S		Security Dynamics Inc.							

