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Cat6 Plenum Specification Sheet

Part No: C6CU1000CMP

for UTP CAT6 CMP 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)	PSAC RF(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		100±15Ω		20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2
	Size	23AWG 1/0.56/0.58±0.015 mm						25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2
Insulation	Material	FEP						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: 0.23mm						62.5	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3
	Diameter	1.01± 0.01mm;0.96± 0.01mm;0.945± 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 200%															
Tensile strength	MIN 1.755Kg/mm ²															
Jacket	Material	CMP PVC		Marking: per request												
	Thickness	MIN at any point: 0.41mm MAX AVG: 0.45mm														
	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 03/13/2013		DATE		A		DESCRIPTION UTP CAT6 CMP 23AWG CABLE						
MOLD NO.		.X±0.20		SHEET OF						Security Dynamics Inc.						
		.XX±0.12		SIZE A4		SCALE N.T.S										