

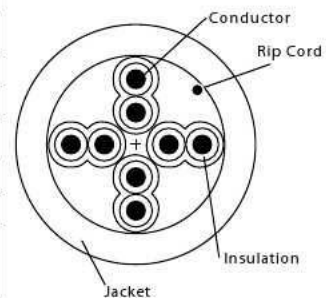
## Product Specifications

REV.	DESCRIPTION	DATE
A	Revision A1	
B	Date Jan 2011	

### Construction & Material :

Item		Unit	Specification
Product			CAT-5E UTP 350MHz 4P
Conductor	Size	AWG	24
	Number	Pairs	4
	Material		Solid Bare Copper
	Construction	pcs / mm	1/0.52
	Diameter	mm	0.52
Insulation	Material		HD-PE
	Min.thickness	mm	0.176
	Avg.thickness	mm	0.198
	Diameter	mm	0.96
	Color		Blue-White/Blue Green-White/Green Orange-White/Orange Brown-White/Brown
Twisting	Construction		See Cross Section
Cabling	Construction		See Cross Section
Jacket	Material		PVC
	Min.thickness	mm	0.45
	Avg.thickness		0.55
	Overall Diameter	mm	5.70 ± 0.20
	Color		By Order
Black Marking	TYPE CM 24AWG 60 (UL) E188630 CSA LL81295 CMG, ETL VERIFIED TIA/EIA-568-B, CAT-5 E UTP Patch Cable UTP		

Cross Section:



DRAWER	Rah
CHECKED	Phoenix
APPROVED	Phoenix

COLOR OPTIONS:	PART NUMBER:	TITLE:
Gray, Black, Orange, Purple, Green, Blue, Red, Pink, Yellow, White	M2CAT5BUK-XXX	CAT5E UTP, Bulk Cable, Solid, 350M 24 AWG, 1000 FT



Electrical Property :

REV.	DESCRIPTION	DATE
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Item		Unit	Specification			Standard		
D-C Resistance		0/100M	AT 20			DC Max.9.38		
D-C Resistance Unbalance		%	-----			Max.5		
Capacitance Unbalance		pF/100M	-----			Max.330		
Characteristic Impedance 1.0~100.0MHz		0/100M	-----			100±15		
Dielectric Withstand		VAC/1MIN	700			No Breakdown		
Frequency MHz	Attenuation dB/100m	NEXT Pair-Pair (dB)	NEXT Power Sum (dB)	ELFEXT Pair-Pair (dB)	ELFEXT Power Sum (dB)	Structural Return Loss (dB)	Return Loss (dB)	
1	2.0	65.3	62.3	63.8	60.8	23.0	20.0	
10	6.5	50.3	47.3	43.8	40.8	23.0	25.0	
16	8.2	47.3	44.4	39.7	36.7	23.0	25.0	
20	9.3	45.8	42.8	37.7	34.7	23.0	25.0	
25	10.4	44.4	41.3	35.8	32.8	22.0	24.3	
31.25	11.7	42.9	39.9	33.9	30.9	21.1	23.6	
62.5	17.0	38.4	35.4	27.8	24.8	18.1	21.5	
100	22.0	35.3	32.3	23.8	20.8	16.0	20.1	

DRAWER	Rah
CHECKED	Pheonix
APPROVED	Pheonix
