

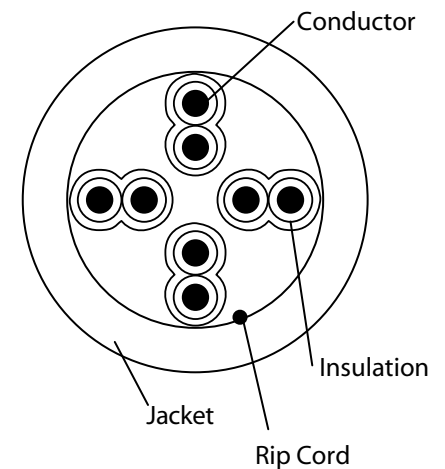
# Product Specifications

REV.	DESCRIPTION	DATE
A		
B		06-2010

## Construction & Material :

Item		Unit	Specification
Product			CAT-6 UTP 4P CMP Rated
Conductor	Size	AWG	23
	Number	Pairs	4
	Material		Solid Bare Copper
	Construction	pcs / mm	1/0.58
	Diameter	mm	0.58
Insulation	Material		FEP
	Min.thickness	mm	0.45
	Avg.thickness	mm	0.50
	Diameter	mm	1.58
	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		FR-PVC
	Min.thickness		0.28
	Avg.thickness	mm	0.30
	Overall Diameter	mm	6.20±0.20
	Color		By Order

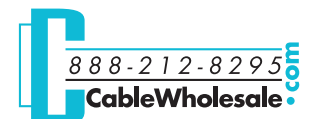
Cross Section:



**RoHS**

DRAWER	LIBRA
CHECKED	
APPROVED	



COLORS:	PART NUMBER:	TITLE:
Blue,Gray,Green,White,Yellow	11X8-0xxTH	CAT-6 UTP,23AWG, Solid, CMP Rated

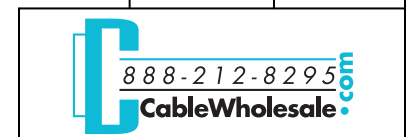


Electrical Property :

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Item		Unit	Specification			Standard
D-C Resistance		Ohms/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		Ω/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)	ACR
1	2.0	74.3	72.3	67.8	64.8	72.3
4	3.8	65.3	63.3	55.7	52.7	61.5
10	6.0	59.3	57.3	47.8	44.8	53.3
20	8.6	53.3	52.8	41.7	38.7	46.2
31.25	9.6	51.9	51.3	37.9	34.9	43.7
62.5	10.8	47.4	49.9	31.9	28.8	41.1
100	15.7	44.3	45.4	27.8	24.8	31.7
200	29.8	39.8	37.8	21.7	18.7	10.0

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Frequency MHz	Attenuation dB/100m	NEXT Pair-Pair (dB)	NEXT Power Sum (dB)	ELFEXT Pair-Pair (dB)	ELFEXT Power Sum (dB)	ACR
300	36.4	37.1	35.1	----	----	0.7
350	39.8	36.1	34.1	----	----	----
500	48.9	33.8	31.8	----	----	----
550	51.8	33.2	31.2	----	----	----

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