

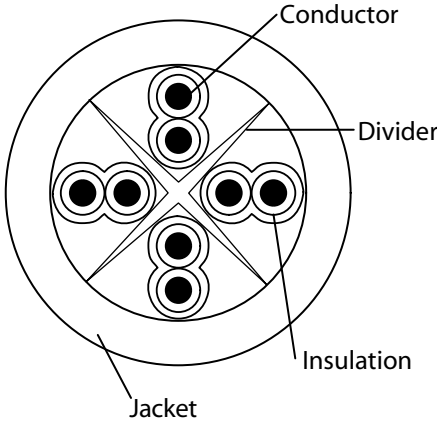
REV.	DESCRIPTION	DATE
A		11-2013

**Product Specifications**

**Construction & Material :**

Item		Unit	Specification
Product			CAT-6 UTP 4P
Conductor	Size	AWG	23
	Number	Pairs	4
	Material		Solid Bare Copper
	Construction	pcs / mm	1/0.58
	Diameter	mm	0.58
Insulation	Material		HD-PE
	Min.thickness	mm	0.176
	Avg.thickness	mm	0.198
	Diameter	mm	1.02
	Color		Blue-White/Blue      Orange-White/Orange Green-White/Green      Brown-White/Brown
Twisting	Construction		See Cross Section
Divider	Material		PE
Cabling	Construction		See Cross Section
Jacket	Material		PVC
	Min.thickness	mm	0.45
	Avg.thickness		0.55
	Overall Diameter	mm	6.20 ± 0.20
	Color		By Order
Marking	TYPE CM 75°C (UL) E188630 23AWG CSA LL81295 CMG 75°C FT4 ETL VERIFIED TIA/EIA-568-B.2-1 CAT.6UTP		

**Cross Section:**



DRAWER	JL
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Black Cable : White Marking Other Cable : Blue Marking	COLORS:	PART NUMBER:	TITLE:
	Gray, Black, Orange, Purple, Green, Blue, Red, Pink, Yellow, White	10X8-0xxTF	CAT-6 UTP,Solid, 23AWG, 500ft, Pullbox

Electrical Property :

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Item		Unit	Specification			Standard
D-C Resistance		Ohm/100M	AT 20°C			DC Max.9.38
D-C Resistance Unbalance		%	-----			Max.5
Capacitance Unbalance		pF/100M	-----			Max.330
Characteristic Impedance 1.0~100.0MHz		Ohm/100M	-----			100± 15
Temperature Rating		°C	Celsius			-10 / +75
Dielectric Withstand		AC / 2 Sec.	1500V			No Breakdown
Frequency MHz	Attenuation dB/100m	NEXT Pair-Pair (dB)	NEXT Power Sum (dB)	ELFEXT Pair-Pair (dB)	ELFEXT Power Sum (dB)	Return Loss (dB)
1	2.0	74.3	72.3	67.8	64.8	20.0
10	6.0	59.3	57.3	47.8	44.8	25.0
31.25	10.7	51.9	49.9	37.9	34.9	20.1
62.5	15.4	47.4	45.4	31.9	28.8	19.4
100	19.8	44.3	42.3	27.8	24.8	18.8
125	22.4	42.8	40.8	25.9	22.9	18.4
200	29.0	39.8	37.8	21.7	18.8	18.0
250	32.8	38.3	36.3	19.8	16.8	17.3

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