

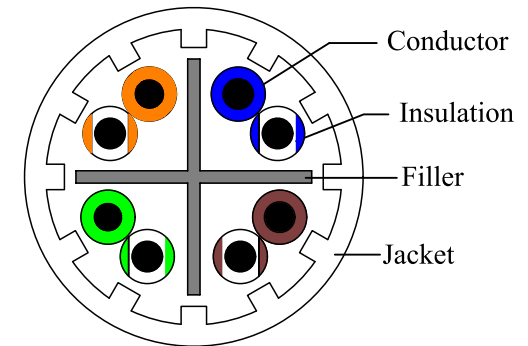
REV.	DESCRIPTION	DATE
A		10-2023

Product Specifications

Construction & Material :

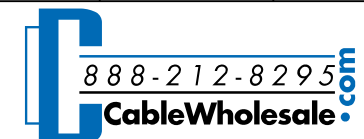
Item	Unit	Specification
Product		CAT-6A UTP 4P CM Rated
Conductor	Size	AWG 23
	Number	pairs 4
	Material	Solid Bare Copper
	Construction	pcs/mm 1/0.58
Insulation	Material	HDPE(CMI-75E)
	Min.thickness	mm 0.195
	Avg.thickness	mm 0.208
	Diameter	mm 0.99±0.05
	Color	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Twisting	Construction	See Cross Section
Filler	Material	PE
Cabling	Construction	See Cross Section
Jacket	Material	75°C PVC Compound (CMI-80S)
	Min.thickness	0.558
	Avg.thickness	mm 0.685
	Overall Diameter	mm 7.80±0.30
	Color	By Order
Marking	TYPE CM 75 °C (UL) E188630 23AWG CSA LL81295 CMG 75 °C FT4 ETL VERIFIED TIA/EIA-568-C.2 CAT.6A UTP +BATCH NO + 2FT... 1000FT	

RoHS



DRAWER	JL
CHECKED	
APPROVED	
⊕	⊖

ID(NO.)	PART NUMBER	TITLE
339	13X6-091NH	Bulk Cat6a Ethernet Cable, 10 gig Solid, UTP (Unshielded Twisted Pair), 500 Mhz, 23 AWG, Spool, 1000 foot, White





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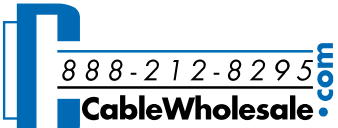
Electrical Property :

Item		Unit	Standard					
Conductor D-C Resistance		Ohms/100M	AT 20°C Max. 7.32					
D-C Resistance Unbalance		%	Max.3					
Mutual Capacitance		pF/100M	Max.5600					
Capacitance Unbalance		pF/100M	Max.330					
Characteristic Impedance (Zo)		1~500MHz	85□115Ω					
Spark Test		/	2.5KV					
Frequency	Return Loss	Insertion Loss (Solid)	NEXT	PS-NEXT	ACRF	PS-ACRF	Prop.Delay	PS NEXT
1	20.0	2.1	74.3	72.3	67.8	64.8	570	67.0
4	23.0	3.8	65.3	63.3	55.8	52.8	552	67.0
8	24.5	5.6	60.8	58.8	49.7	46.7	547	67.0
10	25.0	5.9	59.3	57.3	47.8	44.8	545	67.0
16	25.0	7.5	56.2	54.2	43.7	40.7	543	67.0
20	25.0	8.4	54.8	52.8	41.8	38.8	542	67.0
25	24.3	9.4	53.3	51.3	39.8	36.8	541	67.0
31.25	23.6	10.5	51.9	49.9	37.9	34.9	540	67.0
62.5	21.5	15.0	47.4	45.4	37.9	28.9	539	65.6
100	20.1	19.1	44.3	42.3	27.8	24.8	538	62.5
200	18.0	27.6	39.8	37.8	21.8	18.8	538	58.0
250	17.3	31.1	38.3	36.3	19.8	16.8	536	56.5
300	16.8	34.3	37.1	35.1	18.3	15.3	536	55.3
400	15.9	40.1	35.3	33.3	15.8	12.8	536	53.5
500	15.2	45.3	33.8	31.8	13.8	10.8	536	52.0

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