

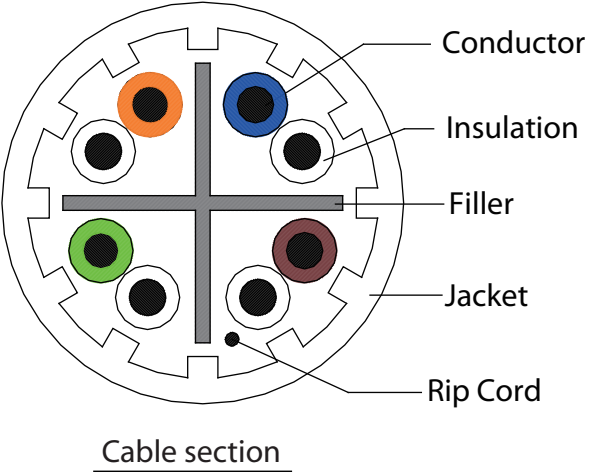
Rev.	Description	Date
A		11-2019

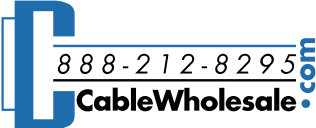
Product Specifications

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	Blue & White/Blue Stripe	1.19 ± 0.02 mm
	Orange & White/Orange Stripe	1.10 ± 0.02 mm
	Green & White/Green Stripe	1.17 ± 0.02 mm
	Brown & White/Brown Stripe	1.08 ± 0.02 mm
	Material	Polyolefin (PO)
	Color	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Twisting	Construction	Left hand direction
Filler	Material	Polyolefin (PO)
Cabling	Construction	See Cross Section
Rip Cord	Material	Polyester multi-yarn
Jacket	Material	FRPVC
	Min.thickness	1.00
	Avg.thickness	mm 1.20
	Overall Diameter	mm 8.30±0.20
	Color	Green
Marking	ELITE 10GS CAT 6A --- Exxxxxx UTP 4PR 23AWG C(UL)US CMR --- ETL VERIFIED TO TIA-568-C.2 CAT 6A mmyy1 RoHS COMPLIANT XXXXFT Note 1: mmyy is date code.	

RoHS



Item Number:	13X6-051NH	
Title:	Bulk Cat6a Ethernet Cable, 10 gig Solid,Green, UTP (Unshielded Twisted Pair),23 AWG, Spool, 1000 foot	
Drawn by:	JL	
Approved by:	MAC	
ID:	97	

Electrical Property

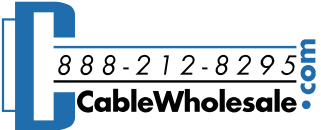
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Item	Unit	Specification	Standard
D-C Resistance	Ohm/100M	AT 20°C	DC Max 9.38
D-C Resistance Unbalance	%	-----	Max 5.0
Capacitance Unbalance	pF/100M	-----	Max 330
Characteristic Impedance	Ohm/100M	-----	100±15
Temperature & Voltage Rating	°C / V	-----	75°C/300V
Dielectric Strength	AC / 2 Sec.	1500V	NO Breakdown

Frequency	Insertion	NEXT	PS-NEXT	ACR	PS-ACR	ACRF	PS-ACRF	Return Loss	Propagation Delay	Delay Skew	PS ANEXT	PS AACRF
MHz	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m	ns/100m	ns/100m	dB/100m	dB/100m
	Max.	Min.	Min.	Min.	Min.	Min.	Min.	Min.	Max.	Max.	Min.	Min.
1	2.08	74.30	72.30	72.22	70.22	67.80	64.80	20.00	570.00	45.00	67.00	67.00
4	3.80	65.27	63.27	61.47	59.47	55.76	52.76	23.01	552.00		67.00	66.16
8	5.31	60.75	58.75	55.44	53.44	49.74	46.74	24.52	546.73		67.00	60.14
10	5.93	59.30	57.30	53.37	51.37	47.80	44.80	25.00	545.38		67.00	58.20
16	7.49	56.24	54.24	48.75	46.75	43.72	40.72	25.00	543.00		67.00	54.12
20	8.38	54.78	52.78	46.41	44.41	41.78	38.78	25.00	542.05		67.00	52.18
25	9.38	53.33	51.33	43.95	41.95	39.84	36.84	24.32	541.20		67.00	50.24
31.25	10.50	51.88	49.88	41.37	39.37	37.90	34.90	23.64	540.44		67.00	48.30
62.5	14.99	47.36	45.36	32.37	30.37	31.88	28.88	21.54	538.55		65.56	42.28
100	19.14	44.30	42.30	25.17	23.17	27.80	24.80	20.11	537.60		62.50	38.20
150	23.68	41.66	39.66	17.98	15.98	24.28	21.28	18.87	536.94		59.86	34.68
200	27.58	39.78	37.78	12.21	10.21	21.78	18.78	18.00	536.55		57.98	32.18
250	31.07	38.33	36.33	7.26	5.26	19.84	16.84	17.32	536.28		56.53	30.24
300	34.27	37.14	35.14	2.88	0.88	18.26	15.26	16.77	536.08		55.34	28.66
350	37.25	36.14	34.14	N.A.	N.A.	16.92	13.92	16.30	535.92		54.34	27.32
400	40.05	35.27	33.27	N.A.	N.A.	15.76	12.76	15.89	535.80		53.47	26.16
450	42.71	34.50	32.50	N.A.	N.A.	14.74	11.74	15.53	535.70		52.70	25.14
500	45.26	33.82	31.82	N.A.	N.A.	13.82	10.82	15.21	535.61		52.02	24.22
550	47.70	33.19	31.19	N.A.	N.A.	12.99	9.99	14.92	535.54		51.39	23.39
600	50.05	32.63	30.63	N.A.	N.A.	12.24	9.24	14.66	535.47		50.83	22.64
650	52.33	32.11	30.11	N.A.	N.A.	11.54	8.54	14.42	535.41	50.31	21.94	



Values above 500MHz are for information only.

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No.	Specifications
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