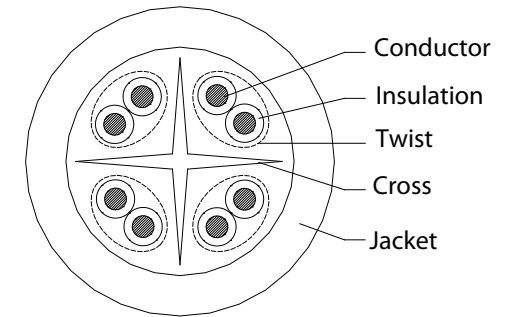


Construction & Material :

Rev.	Description	Date
A		02-2023

Item	Unit	Specification
Product		CAT.6 UTP 4P 23AWG CM Rated
Conductor	Size	AWG 23
	Number	pairs 4
	Material	Solid Annealed Bare Copper
	Construction	pcs/mm 1/0.55
	Diameter	mm 0.55
Insulation	Material	HD-PE
	Min.thickness	mm 0.18
	Avg.thickness	mm 0.19
	Diameter	mm 0.95±0.05
	Color	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Core Assembly	Construction	See Cross Section
	Cross	PE
	Assembly Pair	4 Pair Assembly
Jacket	Material	PVC
	Min.thickness	mm 0.45
	Avg.thickness	mm 0.55
	Overall Diameter	mm 6.2±0.20
	Color	By Order
Marking	COMZON® E188630 TYPE CM 4P 23AWG 75 C c(UL)us ETL VERIFIED ANSI/TIA-568.2-D CAT.6 UTP XXXXMM xxxxFt	



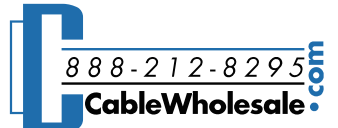
Cross Section

PART NO.	JACKET COLORS
C2041	Blue
C2042	Black
C2043	White
C2044	Gray

Note 1: XXXX / Year , MM/ Month
Note 2: Color / Inkjet (Black / White) ; (Other Color / Black)

Pages: 1 OF 3



Item Number:	C2041 - C2044	
Title:	Comzon® Bulk Cat6 Ethernet Cable, Solid, UTP (Unshielded Twisted Pair), Pullbox, 500 foot	
Drawn by:	JL	
Approved by:	MAC	
ID:	85	

No.	Specifications
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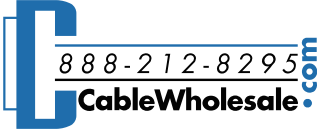
Rev.	Description	Date
A		02-2023

Electrical Property :

Item	Unit	Specification	Standard					
D-C Conductor Resistance	Ohms/100M	AT 20°C	Max 9.38					
D-C Resistance Unbalance	%	----	Max.5					
Mutual Capacitance	nF/ M	----	Max.5.6					
Capacitance Unbalance	pF/100 M	----	Max.330					
Characteristic Impedance 1.0-100.0 MHz	Ohms/100M	----	100 ± 15					
Temperature Rating	°C	----	75°C					
Dielectric Strength	/	/	AC 1.5kv / 2sec					
Frequency	Attenuation	Return Loss	NEXT	PS-NEXT	ACRF	PS-ACRF	Propagation Delay	Delay Skew
MHz	dB(100m)	dB	dB	dB	dB	dB	ns	ns
	Maximum	Minimum	Minimum	Minimum	Minimum	Minimum	Maximum	Maximum
1.0	2.0	20.0	74.3	72.3	67.8	65.0	570.0	45.0
4.0	3.8	23.0	65.3	63.3	55.8	53.0	552.0	
10.0	6.0	25.0	59.3	57.3	47.8	45.0	545.4	
16.0	7.6	25.0	56.2	54.2	43.7	40.9	543.0	
20.0	8.5	25.0	54.8	52.8	41.8	39.0	542.0	
31.25	10.7	23.6	51.9	49.9	37.9	35.1	540.4	
62.5	15.4	21.5	47.4	45.4	31.9	29.1	538.6	
100	19.8	20.1	44.3	42.3	27.8	25.0	537.6	
200	29.0	18.0	39.8	37.8	21.8	19.0	536.5	
250	32.8	17.3	38.3	36.3	19.8	17.0	536.3	

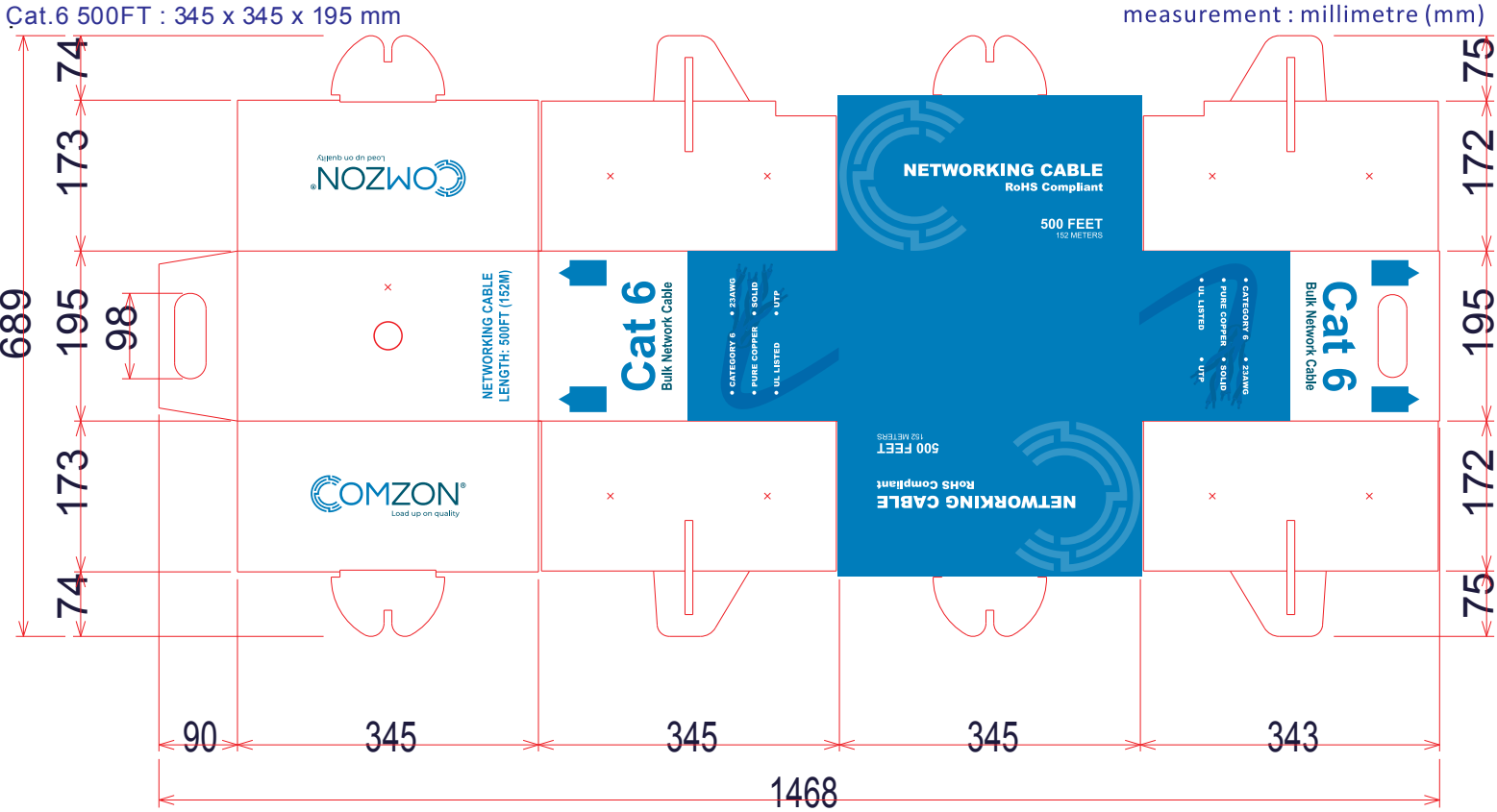


Pages: 2 OF 3

Item Number:	C2041 - C2044	
Title:	Comzon® Bulk Cat6 Ethernet Cable, Solid, UTP (Unshielded Twisted Pair), Pullbox, 500 foot	
Drawn by:	JL	
Approved by:	MAC	
ID:	85	

No.	Specifications
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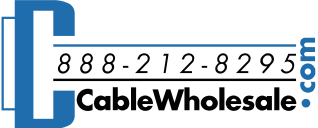
Rev.	Description	Date
A		02-2023



RoHS

Pullbox Size

Pages: 3 OF 3

Item Number:	C2041 - C2044	
Title:	Comzon® Bulk Cat6 Ethernet Cable, Solid, UTP (Unshielded Twisted Pair), Pullbox, 500 foot	
Drawn by:	JL	
Approved by:	MAC	
ID:	85	

No.	Specifications
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